Journal	YEAR	Ref	Article
Economic Geology	2024	IMS 1280	High-Temperature Hydrothermal Fluid Evolution, Archean Alkalic Intrusion-Related Mineralization, Karari-Whirling Dervish Gold Deposit, Western Australia; Walter K. Witt; Steffen G. Hagemann; Malcolm P. Roberts; Paul Olin; Laure Martin; Matvai Aleshan;Economic Geology, https://doi.org/10.5382/econgeo.5105
Journal of Earth System Science	2024	0	Late Neoproterozoic metamorphic evolution of Larsemann Hills, East Antarctica: Insights from pseudosection modelling and monazite–zircon geochronology of Easther Island porphyroblastic gneiss; Sadiq, M., Bhandari, A., Arora, D. et al.;Journal of Earth System Science, https://doi.org/10.1007/s12040-024-02434-9
Geological Society of Finland	2024	IMS 1280	Petrology, geochemistry, and geochronology of the leucogranites in southernmost Finland; Anna Saukko, Kaisa Nikkilä, Olav Eklund, Sören Fröjdö and Markku Väisänen;Geological Society of Finland, https://www.geologinenseura.fi/sites/geologinenseura.fi/files/saukko_et_al.pdf
Arabian Journal of Chemistry	2024	IMS 1280-HR	Fabrication of lanthanum-silane film by electrochemically assisted sol–gel method for enhanced corrosion resistance of sintered NdFeB; Zhu Tao, Li Jiang, Wentao Ju, Yanxia Liang, Yumeng Yang, Guoying Wei, Yu Chen, Zhao Zhang;Arabian Journal of Chemical, https://doi.org/10.1016/j.arabjc.2024.106057
American Mineralogist	2024	IMS 1280-HR	Formation of giant copper deposits driven by rapid uplift and sudden depressurization; Rui Wang; Chenhao Luo; Yingcai Sun; Shaochen Wu; Xiao-Ping Xia; Xiaolin Wang; Wenjie Xia;American Mineralogist, https://doi.org/10.2138/am-2024-9425
Lithos	2024	IMS 1280	Recycling of subducted continent slab in an accretionary orogen: Insight from the Liangwan potassic granitoids in the Tongbai orogen, Central China; Wen-Xiang Zhang, Xing Zhang, Guang-Yan Zhou, Long Li, Huan Chang, Yuan-Bao Wu;Lithos, https://doi.org/10.1016/j.lithos.2024.107868
Journal of Petrology	2024	IMS 1270-E7	Protracted magma evolution and transcrustal magmatic plumbing system architecture at Erta Ale volcano (Afar, Ethiopia); Juliette Pin, Gilles Chazot, Lydéric France, Bénédicte Abily, Andrey Gurenko, Hervé Bertrand, Alexandra Loppin;Journal of Petrology, https://doi.org/10.1093/petrology/egae118
Geoscience Letters	2024	IMS 1300-HR3	Geochemical and zircon 18O–Hf–U/Pb isotopic study of volcanic rocks from Lutao Island in the northern Luzon magmatic arc; Nancy Hui Chun Chen;Geoscience Letters, https://doi.org/10.1186/s40562-024-00363-5
The meteoritical society	2024	IMS 1280	A Cryogenian impact structure lurking in the shadows of northern Sweden; C. ALWMARK, G. G. KENNY, S. ALWMARK, P. MINDE, J. PLADO, S. HIETALA, and M. J. WHITEHOUSE;The meteoritical society, doi: 10.1111/maps.14280
Chemical Geology	2024	IMS 1270-E7	High–precision determination of carbon stable isotope in silicate glasses by secondary ion mass spectrometry: Evaluation of international reference materials; Hyunjoo Lee, Yves Moussallam, Estelle F. Rose−Koga, Laurette Piani, Johan Villeneuve, Nordine Bouden, Andrey A. Gurenko, Brian Monteleone, Glenn A. Gaetani;Chemical Geology, file:///C:/Users/lcreon/Downloads/ci_standard_paper_re_revised_nomark_v2.pdf
Minerallium Deposita	2024	IMS 1280	Trace element and isotope composition of calcite, apatite, and zircon associated with magmatic sulfde globules; Maria Cherdantseva, Marco L. Fiorentini, Christopher M. Fisher, Antony I. S. Kemp, Laure A. J. Martin, Matvei Aleshin, Malcolm P. Roberts;Minerallium Deposita, https://doi.org/10.1007/s00126-024-01318-8
The Astrophysical Journal Letters	2024	IMS 1280-HR	Potential Chronological Disturbance of the D'Orbigny Angrite Inferred from Discordant 26Al Ages; Cécile Deligny, Maxime Piralla, Johan Villeneuve, Evelyn Füri, and Yves Marrocchi;The Astrophysical Journal Letters, https://doi.org/10.3847/2041-8213/ad8654
Journal of Asian Earth Sciences	2024	IMS 1280-HR	Geochronology and petrogenesis of basaltic trachyandesites from Laoguipo volcano (SE Tibetan Plateau): U-series and Sr-Nd-Hf-O isotope constraints; Haibo Zou, Zipei Guo;Journal of Asian Earth Sciences, https://doi.org/10.1016/j.jseaes.2024.106379
Meteoritics and Planetary Science	2024	IMS 1280	Radial transport and nebular thermal processing of millimeter-sized solids in the Solar protoplanetary disk inferred from Cr-Ti-O isotope systematics of chondrules; Kohei FUKUDA, Yuki HIBIYA, Craig R. KASTELLE, Katsuhiko SUZUKI, Tsuyoshi IIZUKA, Katsuyuki YAMASHITA, Thomas E. HELSER, and Noriko T. KITA;Meteoritics and Planetary Science, doi: 10.1111/maps.14276
Applied Geochemistry	2024	IMS 1280	Trace element partitioning between natural barite and deep anoxic groundwaters: Implications for radionuclide retention in host rocks of nuclear waste repositories; Ferdinand Kirchner, Martin Kutzschbach, Henrik Drake, Vanessa Fichtner, Piotr M. Kowalski, Stefan Rudin, Martin J. Whitehouse, Mikael Tillberg, Thomas Neumann;Applied Geochemistry, https://doi.org/10.1016/j.apgeochem.2024.106208

Astrobiology	2024	0	A Machine-Learning Approach to Biosignature Exploration on Early Earth and Mars Using Sulfur Isotope and Trace Element Data in Pyrite; Maria C. Figueroa, Daniel D. Gregory, Kenneth H. Williford, David J. Fike, and Timothy W. Lyons;Astrobiology, https://doi.org/10.1089/ast.2024.0019
American mineralogist	2024	0	An Experimental Study of the Breakdown of Dolomite in H2O at 700 °C, 100 Mpa; Theodore C. Labotka; David R. Cole; Michael T. DeAngelis;American Mineralogist, https://pubs.geoscienceworld.org/msa/ammin/article-abstract/doi/10.2138/am-2024-9368/649179/An-Experimental-Study-of-the-Breakdown-of-Dolomite
Research Square	2024	IMS 1280	Single-cell imaging reveals efficient nutrient uptake and growth of microalgae that darken the Greenland Ice Sheet; Katharina Kitzinger, Martin Hansen, Liane Benning, Sten Littmann, James Bradley, Martin Whitehouse, Malin Olofsson, Rey Mourot, Martyn Tranter, Marcel Kuypers, Lea Ellegaard-Jensen, Alexandre Anesio ;Research Square, https://doi.org/10.21203/rs.3.rs-5199834/v1
International Geology Review	2024	IMS 1280	Continental-scale sediment mixing and dispersal across northern Gondwana: detrital zircon U-Pb-O-Hf isotopic evidence from the Cambro-Ordovician sandstones overlying the Arabian Shield; Fitsum Girum Yeshanew, Martin J. Whitehouse, Victoria Pease, Eszter Badenszki & J. Stephen Daly;International Geology Review, https://doi.org/10.1080/00206814.2024.2392142
Nature Astronomy	2024	IMS 1280	Evidence of a 4.33 billion year age for the Moon's South Pole–Aitken basin; K. H. Joy, N. Wang, J. F. Snape, A. Goodwin, J. F. Pernet-Fisher, M. J. Whitehouse, Y. Liu, Y. T. Lin, J. R. Darling, P. Tar & R. Tartèse;Nature Astronomy, https://doi.org/10.1038/s41550-024-02380-y
South African Journal of Geology	2024	0	New diagenetic constraints for the interpretation of Neoarchaean stromatolitic dolostone geochemical composition and their palaeoenvironmental significance; F. Franchi; S.M. Glynn; V. Hoogland; G.R. Davies;South African Journal of Geology, https://doi.org/10.25131/sajg.127.0036
Journal of Petrology	2024	IMS 1280	Petrogenesis of Montana, USA Sapphires Inferred from Oxygen Isotopes and Zircon Inclusions; Rachelle B Turnier, Richard B Berg, Kouki Kitajima, Aaron C Palke, John W Valley;Journal of Petrology, https://doi.org/10.1093/petrology/egae107
PALAEO	2024	IMS 1300-HR3	Globally synchronous meteorite rain during the Middle Ordovician; Shengchao Yang, Junxuan Fan, Christian M.Ø. Rasmussen, Xiao-Lei Wang, Zongyuan Sun, Yiying Deng;PALAEO, https://doi.org/10.1016/j.palaeo.2024.112550
Nature Communications	2024	IMS 1280-HR	Light δD apatites reveal deep origin water in North China Craton intracontinental granites and basalts; Chuan-Mao Yang, Yi-Gang Xu, Xiao-Ping Xia, Jin-Hui Yang, Xiao-Long Huang, Christopher J. Spencer, Jin-Feng Sun & Qing Yang;Nature Communications, https://doi.org/10.1038/s41467-024-53133-4
Geochemical Perspectives	2024	IMS 1270	4. EARLY EARTH; T. Mark Harrison;Geochemical Perspectives, https://pubs.geoscienceworld.org/eag/perspectives/article-abstract/13/2/293/648965/4-EARLY-EARTH
Geochemical Perspectives	2024	IMS 1270	3. ADVENTURES IN SIMS; T. Mark Harrison;Geochemical Perspectives, https://pubs.geoscienceworld.org/eag/perspectives/article-abstract/13/2/251/648966/3-ADVENTURES-IN-SIMS
Isotopes in Environmental health studies	2024	IMS 1280	Microscale δ34S and δ18O variations of barite as an archive for fluid mixing and microbial sulphur metabolisms in igneous rock aquifers; Vanessa Fichtner, Ferdinand Kirchner, Martin Kutzschbach, Harald Strauss, Mikael Tillberg, Martin Whitehouse & Henrik Drake;Isotopes in Environmental health studies, https://doi.org/10.1080/10256016.2024.2410293
BSGF - Earth Sci. Bull.	2024	IMS 1270	From ID-TIMS U-Pb dating of single monazite grain to APT-nanogeochronology: application to the UHT granulites of Andriamena (North-Central Madagascar); M.J. Turuani, A.-M. Seydoux-Guillaume, A.T. Laurent, D. Fougerouse, S.L. Harley, S.M. Reddy, P. Goncalves, D.W. Saxey, J. Michaud, J.-M. Montel, C. Nicollet and J.-L. Paquette;BSGF, https://doi.org/10.1051/bsgf/2024013
Minerals	2024	IMS 1280-HR	Magmatic Evolution and Nb-Ta Enrichment of Early Jurassic Granitic Porphyry from the Shangxiahu Nb-Ta Deposit of the Nanling Range; Hongling Liu, Jinrong Wang, Qin Chen, Yanna Huang, Xin Li, Wei Liu, Bin Chen and Fan Xiao;Minerals, https://doi.org/10.3390/min14101005

Journal of Petrology	2024	IMS 1280	Dynamic evolution of the transcrustal plumbing system in Large Igneous Provinces: Geochemical and microstructural insights from glomerocrysts and melt inclusions; CAPRIOLO Manfredo, CALLEGARO Sara, DEEGAN Frances M., ..., MARZOLI Andrea;Journal of Petrology, https://watermark.silverchair.com/egae103.pdf?token=AQECAHi208BE49Ooan9kkhW_Ercy7Dm3ZL_9Cf3qfKAc485ysgAAA-YwggPiBgkqhkiG9w0BBwagggPTMIIDzwIBADCCA8gGCSqGSIb3DQEHATAeBglghkgBZQMEAS4wEQQMlGCvU-HZionUCL7BAgEQgIIDmZHigZ6o6k3A3EGCth2qq_skonLWi3ExJJsSQnNB5upwk9-YSMqoF8Uin5UJ2Qr9n_efhdODMs6d6VaGk8Asr_-oTKwSt4HuRWMWv9VqgAYMyekZ-yCskDz59_tdFj6-o5OBuSwRydgXPn7G8tIlOVeyY-if_5jxm49KjzCNPqRqRdaPqVruLfzi3_FssRvGUzZ8ZXOpKC6AU-_u8C72iXelX027y2KThFP6kfG9_hfghLUpqqBP6xfcM3444nKPaOg02mMKTLJAmzE4a8CxcMbMjJy7mLoi3q0nTo_ELkNCwocwbx-zcm8LGgR2oZU_fLfehz2yTf_JbpSGbMdGSulzaHJclwk0uFqTThSi4H2Y-nYbtLU4YG0Rf8BKyvKMBJItc6EOEVMy8gp5tjilHvM1qD8K6-wmNossskFsCZK1qgtFzRNpbzR6HB_73S45hX514lrmjNrbheqFAFnfBivFsPQCH8OVP6L1kB4Cptw-1u_U00qVdd1tK3B_1AFjKd5GP7uMTU72ogzKRBdJiaWBkLKTLpd5A250qs2NWEQndPCNFdRXIEA94ZQK6WfT5pAXMyqca-AekjA0ofuAK7GoVZ_GSXiNtpNW9ynh_VznXEgK5Gq5faUK4z8-YcG0X7lfhvbgoyExyj9ck6jJQ2xB9DQp7Yta8o8WqRbjlFgP5BysTQc_EkzjKD4TB92blYdJxCPEcgOSUCQmipbhsmm7JqgHozj-HFpTgYaGtKtl1LXpNALvnmtTVb9oskQqCQX3LI5hL1yNI8km-12q3pZYnivcYZm2PrM124dTHOhB_eYJEBf3eTbQhHYSAAj28kKxXgAQ8KAoxGJ87yrPR2lCBrR0bTaBYcRrNIFNjmnlkGK-4AAB_h8S-NWqFBfM7Zs2C8r_WfDlaKnunMF6ZrqgeACOiKfRVx9kkZvRuIFTL9628j5M95LVIovOxJpldwDbn9CeviHNOHGVBIlgR3yKQbhWkrer7QpnfpbsM3AoBHWurxrKTuB2UZ2SCxKoWbZLeei_lVoLRCftdtEUse59Q5hB_U4UlLaXPqFW5sW2hgf_OdrlI8hbt_qIxJpr14U7jKhF6oftMWpkTTv3PatqAr5mt_ga6QOkcmP-hc4CKWTyLBVxwaFn063uiJ_sBJath__jRMd2cOMNzdPq1PrEOpf1TpUx8TBumVXjEzBpvSS6BHSPJNNdP48htBf-fzZw7d4kOpGeQw
Earth and Planetary Science Letters	2024	IMS 1270	A distinct type of MORB formed by two-stage melting of a hybrid mantle during Gondwana breakup; Maxim Portnyagin, Antje Dürkefalden, Folkmar Hauff, Andrey Gurenko, Daniel A. Frick, Dieter Garbe-Schonberg, Kaj Hoernle;EPSL, https://doi.org/10.1016/j.epsl.2024.119021
Journal of Geophysical Research	2024	IMS 1280-HR	In Situ Analysis of Sulfur Isotopic Fractionation in Deep-Sea Corals Using Secondary-Ion Mass Spectrometry: Insights Into Vital Effects; Miaohong He, Xiaoxiao Yu, Wenfeng Deng, Xuefei Chen, Xiaotong Peng, Kaiwen Ta, Hengchao Xu, Zexian Cui, Qing Yang, Yanan Yang, Yanqiang Zhang, Gangjian Wei;JGR, https://doi.org/10.1029/2024JG008032
GEOSTANDARDS AND GEOANALYTICAL RESEARCH	2024	IMS 1270/IMS 1280	Improved Precision and Reference Materials for Stable Carbon Isotope Analysis in Basaltic Glasses using Secondary Ion Mass Spectrometry; Joshua Shea, Ery Hughes, Robert Balzer, Ilya Bindeman, Jon Blundy, Richard Brooker, Roman Botcharnikov, Pierre Cartigny, EIMF, Glenn Gaetani, GeoC Kilgour, John Maclennan, Brian Monteleone, David A. Neave, Oliver Shorttle;GEOSTANDARDS AND GEOANALYTICAL RESEARCH, file:///C:/Users/lcreon/Downloads/preprint_carbon_isotopes.pdf
MESOZOIC	2024	IMS 1280-HR	Discovery of ≥ 105 Ma continental redbeds in the Qiangtang Block: Implications for the early uplift of central Tibet; AN-LIN MA, XIU-MIAN HU, EDUARDO GARZANTI & WEI-WEI XUE;MESOZOIC, https://doi.org/10.11646/mesozoic.1.3.14
Minerallium Deposita	2024	IMS 1280	Sediment-derived granites as the precursor of rare-metal pegmatites in the Paleo-Tethys tectonic zone – evidence from the Bailongshan Li□Rb-Be pegmatite ore field and factors controlling mineralization; Qing-He Yan, Guoxiang Chi, He Wang, Chen Chen, Kailin Zhou, Mengfan Liu;Minerallium Deposita, https://doi.org/10.1007/s00126-024-01311-1
Geological Magazine	2024	IMS 1280-HR	New SIMS U–Pb zircon age on the macroscopic multicellular eukaryotes from the early Mesoproterozoic Gaoyuzhuang Formation, North China; Kai Chen, Chuan Yang, Lanyun Miao, Fangchen Zhao and Maoyan Zhu;Geological Magazine, https://doi.org/10.1017/S0016756824000220
Geobiology	2024	IMS 1280-HR	Oceanic and Sedimentary Microbial Sulfur Cycling Controlled by Local Organic Matter Flux During the Ediacaran Shuram Excursion in the Three Gorges Area, South China; Fumihiro Matsu'ura, Yusuke Sawaki, Tsuyoshi Komiya, Jian Han, Shigenori Maruyama, Takayuki Ushikubo, Kenji Shimizu, Yuichiro Ueno;Geobiology, https://doi.org/10.1111/gbi.12617
Earth and Planetary Science Letters	2024	IMS 1280	Early generation of a refractory inclusions-enriched H-chondritic parent body: A safe harbor for Ca, Al-rich inclusions; Samuel Ebert, Kazuhide Nagashima, Alexander N. Krot, Shigeru Wakita, Jean-Alix Barrat, Addi Bischoff;EPSL, https://doi.org/10.1016/j.epsl.2024.119010

Lithos	2024	IMS 1280	Permian flood basalt protoliths for Jurassic amphibolites and eclogites in SW Iran: Implications for subduction of a magma-rich passive margin; Rezvaneh Jamali Ashtiani, Axel K. Schmitt, Jamshid Hassanzadeh, Arash Sharifi, Christina Günter;Lithos, https://doi.org/10.1016/j.lithos.2024.107811
Chemical Geology	2024	IMS 1280	Coordinated microanalysis of volatiles in apatite and silicate minerals in ancient lunar basalts; Thomas J. Barrett, Katharine L. Robinson, Kazuhide Nagashima, Barry J. Shaulis, Gary R. Huss, David A. Kring;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.122417
Gondwana research	2024	IMS 1280	Transcrustal magmatic systems in NE China: Insights from Early Cretaceous metaluminous–peraluminous–peralkaline rock associations in the southern Great Xing'an Range; Li Tian, Jun Gou, Deyou Sun, Duo Zhang, Zhao Feng, Zhonghua He;Gondwana research, https://doi.org/10.1016/j.gr.2024.08.017
The depositional record	2024	IMS 1270	The role of organic matter in Brazilian Pre-Salt carbonates; Ilana Lehn, Crisógono de Oliveira Vasconcelos;The depositional Record, https://onlinelibrary.wiley.com/doi/pdf/10.1002/dep2.311
Geochemistry	2024	IMS 1280-HR	Investigating late Mesoarchean crustal dynamics in the North China Craton through 2.84Ga TTG gneisses of the Xiong'ershan area; H. Liu, L. Liu, M. Santosh, et al.;Geochemistry, https://doi.org/10.1016/j.chemer.2024.126195
PNAS	2024	IMS 1280	Zircon geochemistry from early evolved terranes records coeval stagnant- and mobile-lid tectonic regimes; Emily E. Mixon, Ann M. Bauer, Tyler B. Blum, et al.;PNAS, https://doi.org/10.1073/pnas.2405378121
Geochemistry, Geophysics, Geosystems	2024	IMS 1280	Late Cretaceous and Early Paleogene Fluid Circulation and Microbial Activity in Deep Fracture Networks of the Precambrian Basement of Western Greenland; Drake, H., Makahnouk, W. R. M., Roberts, N. M. W., Reinhardt, M., Henkemans, E., Frape, S. K., et al.;Geochemistry, Geophysics, Geosystems, https://doi.org/10.1029/2024GC011646
Economic Geology	2024	0	Sulfide Mineralization and Associated Platinum Group Elements in Mafic-Ultramafic Units of the Tantalite Valley Complex, Southern Namibia; D. R. Ferreira; B. P. Von der Heyden; M. Klausen; L. Martin;Economic Geology, https://doi.org/10.5382/econgeo.5091
Journal of Petrology	2024	0	Geodynamic Evolution of the Proto-Tethys Ocean in the West Kunlun Orogenic Belt, NW Tibet: Implications from the Sub-Arc Crust and Lithospheric Mantle Modification; Zaili Tao, Jiyuan Yin, Mike Fowler, Wenjiao Xiao, Zhiming Yang, Min Sun, Andrew C Kerr, Victoria Pease, Tao Wang, Wen Chen, Fan Yang;Journal of Petrology, https://doi.org/10.1093/petrology/egae097
Chemical Geology	2024	IMS 1280-HR	Oxygen and silicon isotopic compositions of Archean silicified lava and cherts of the Onverwacht Group: Implication for seafloor hydrothermalism and the nature of recycled components in the source of granitoids; L.S. Kitoga, D. Zakharov, J. Marin-Carbonne, M. Boyet, J.-F. Moyen, T. Di Rocco, A. Pack, N. Olivier, G. Stevens;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.122407
Geochimica and cosmochimica acta	2024	IMS 1270-E7	The last generation of nebular chondrules possibly sampled in the CH/CBb chondrite Isheyevo; Timothé Mahlé, Yves Marrocchi, Julia Neukampf, Johan Villeneuve, Emmanuel Jacquet;GCA, https://doi.org/10.1016/j.gca.2024.08.027
Earth and Planetary Science Letters	2024	IMS 1290	A failed search for concordancy across multiple isotopic systems in lunar impactites: Implications for testing the Late Heavy Bombardment hypothesis; T. Mark Harrison, Bidong Zhang, Andrew F. Parisi, Elizabeth A. Bell;EPSL, https://doi.org/10.1016/j.epsl.2024.118943
Earth and Planetary Science Letters	2024	IMS 1280	Footwall refrigeration versus footwall hydration: Reassessing steep thermal gradients below detachment faults with in situ SIMS oxygen isotope analysis; Claudia I. Roig Gonzalez, Chloe Bonamici , Tyler Blum , William O. Nachlas;EPSL, https://doi.org/10.1016/j.epsl.2024.118962
Solid Earth Sciences	2024	IMS 1280	The origin and tectonic implications of the ca. 406 Ma magmatic activity in the western Yangtze Block, South China; Chun-Mei Liu, Hao Zou, Hai-Feng Chen, Chen-Wei Li, Nuru Said, Chang-Cheng Huang, Xing-Xing Mao, Hui-Dong Yu, Hua-Wen Cao, Xin-Yu Liu;Solid Earth Sciences, https://doi.org/10.1016/j.sesci.2024.100198
Swiss Journal of Geosciences	2024	IMS 1280-HR	A rapid transition from subduction to Barrovian metamorphism: geochronology of mafc–ultramafc relicts of oceanic crust in the Central Alps, Switzerland; Kim Lemke, Daniela Rubatto and Jörg Hermann;Swiss Journal of Geosciences, https://doi.org/10.1186/s00015-024-00462-7
Meteoritics & Planetary Science	2024	IMS 1280	Petrology and chronology of mare components in lunar basaltic breccia meteorite Northwest Africa 12384; Christopher J.-K. YEN, Paul K. CARPENTER, Cecile DELIGNY, Alexander NEMCHIN, Renaud MERLE, Anthony J. IRVING, Kunihiko NISHIIZUMI, Marc W. CAFFEE, A. J. Timothy JULL, Martin WHITEHOUSE, and Bradley L. JOLLIFF;Meteoritics & Planetary Science doi: 10.1111/maps.14260

Limnology and Oceanography	2024	IMS 1280	Chain forming diatoms use different strategies to avoid diffusion limited N assimilation; Rickard Stenow , Malin Olofsson , Martin J. Whitehouse , Helle Ploug;Limnology and Oceanography, https://aslopubs.onlinelibrary.wiley.com/doi/pdf/10.1002/lno.12677
Geostandards and Geoanalytical Research	2024	IMS 1270-E7 / IMS 1280-HR	Synthesis and Characterization of Metallic (Fe-Ni, Fe-Ni-Si) Reference Materials for SIMS 34S/32S Measurements; Célia Dalou, Lenny Riguet, Johan Villeneuve, Laurent Tissandier, Thomas Rigaudier, Damien Cividini, Julien Zollinger, Guillaume Paris;Geostandards and Geoanalytical Research, ff10.1111/ggr.12584ff. ffhal-04680729f
NASA	2024	IMS 1280	Evidence for a ~1 Ga hypervelocity impact event found in northwest Greenland; William R. Hyde, Gavin. G. Kenny, Steven J. Jaret, Joseph A. MacGregor, Pierre Beck, Martin J. Whitehouse and Nicolaj K. Larsen;NASA, https://ntrs.nasa.gov/api/citations/20240004694/downloads/Hyde%20et%20al%20G51876%20R1%20clean.pdf
Precambrian Research	2024	IMS 1280	SIMS U-Pb dating of baddeleyite-zircon pairs in mafic rocks to determine the ages of magmatic mineralization and hydrothermal remobilization in a Ni-Cu-(PGE) deposit; Li-Xing Li, Jian-Wei Zi, Yu Liu, Guo-Qiang Tang, Hou-Min Li, Yong Zhang, Min-Xin You;Precambrian research, https://doi.org/10.1016/j.precamres.2024.107556
Earth and Planetary Science Letters	2024	IMS 1300-HR3	Successful subduction of oceanic plate after failed attempts in the Late Archean: Petrological and geochemical constraints; Xi Wang, Rong-Feng Ge, Yong-Fei Zheng, Wen-Bin Zhu, San-Zhong Li, Rong-Song Tian, Yue Wang, Yi-Wei Rong;EPSL, https://doi.org/10.1016/j.epsl.2024.118944
Minerallium Deposita	2024	IMS 1280	A newly recognised mafic sill-hosted Ni-sulfide deposit emplaced during the 2.4 Ga Widgiemooltha dike swarm event, Eastern Goldfields, Western Australia; Coralie Siégel, Louise Schoneveld, Catherine Spaggiari, Margaux Le Vaillant, Stephen Barnes, Belinda Godel, David Mahon, Michael Verrall, Laure Martin, Stefano Caruso, Tina Shelton;Minerallium Deposita, https://doi.org/10.1007/s00126-024-01305-z
INMM	2024	IMS 1280	Long-term Experiments for the Determination of the Influence of Storage Media and Storage Conditions on the Alteration of Uranium Oxide Microparticle Reference Materials to Identify Optimal Storage Conditions; Philip Kegler, Shannon K. Potts, Simon Hammerich, Irmgard Niemeyer, Dirk Bosbach, Stefan Neumeier;INMM, https://cdn.fourwaves.com/static/media/formdata/b12613f9-28b7-4568-a069-5c7cfeff3c8e/79275edc-4088-4d8e-804f-919800962bf1.pdf
Geochimica and cosmochimica acta	2024	IMS 1280-HR	Update on the 53Mn-53Cr ages of dolomite in the Ivuna CI chondrite and asteroid Ryugu sample; Shingo Sugawara, Wataru Fujiya, Noriyuki Kawasaki, Naoya Sakamoto, Akira Yamaguchi, Hisayoshi Yurimoto;GCA, https://doi.org/10.1016/j.gca.2024.08.013
Economic Geology	2024	IMS 1280-HR	LEAD-LEAD DATING REVEALS PERMIAN REMOBILIZATION OF NIOBIUM MINERALIZATION AT BAYAN OBO; Lan Yang, Yang Li, Yu Liu, Xiao-Xiao Ling, Li-Guang Wu, Yan Yu, Li Yang, Wen-Xiang Meng, Guo-Ying Yan, and Xian-Hua Li;Economic Geology, doi:10.5382/econgeo.5096
Science Advances	2024	IMS 1270-E7	Trace element partitioning in a deep magma ocean and the origin of the Hf-Nd mantle array; Keisuke Ozawa, Naoya Sakamoto, Yutaro Tsutsumi, Kei Hirose, Tsuyoshi Iizuka, Hisayoshi Yurimoto;Science advances, https://www.science.org/doi/pdf/10.1126/sciadv.adp0021
Science Advances	2024	IMS 1280	Mafic slab melt contributions to Proterozoic massif-type anorthosites; Duncan S. Keller, Cin-Ty A. Lee, William H. Peck, Brian D. Monteleone, Céline Martin, Jeffrey D. Vervoort, Louise Bolge;Science advances, https://www.science.org/doi/pdf/10.1126/sciadv.adn3976
Journal of the Geological Society	2024	0	Constraints on the Growth and Evolution of Continental Crust in the Northeast Cathaysia Block: Insights from Detrital Zircon U-Pb Age and Hf-O Isotope Analysis in Tingjiang Sediments; Liyuan Wang, Qiu Chen Hong, Wenhui Zhang, Jing Xu, and Teklit Zerizghi ;Journal of the Geological Society, https://doi.org/10.1144/jgs2024-103
Paleoceanography and Paleoclimatology	2024	IMS 1280	Hot Tropical Temperatures During the Paleocene-Eocene Thermal Maximum Revealed by Paired In Situ δ13C and Mg/Ca Measurements on Individual Planktic Foraminifer Shells; Reinhard Kozdon, D. Clay Kelly;Paleoceanography and Paleoclimatology, https://doi.org/10.1029/2023PA004834
Proceeding of the INMM	2024	IMS 1280-HR	Production of Uranium Oxide-based Reference Microparticles at FZJ – Current Status and New Developments; Stefan Neumeier, P. Kegler, S.K. Potts, S. Richter, S. Hammerich, M. Zoriy, C.R. Hexel, B.T. Manard, A.K. Schmitt, M. Trieloff, D. Bosbach, I. Niemeyer;Proceeding of the INMM, https://cdn.fourwaves.com/static/media/formdata/b12613f9-28b7-4568-a069-5c7cfeff3c8e/2389a648-a621-4092-8b73-8d64298ddb1c.pdf

Science Advances	2024	IMS 1280	Highly oxidized intraplate basalts and deep carbon storage; Xu-Han Dong, Shui-Jiong Wang, Wenzhong Wang, Shichun Huang, Qiu-Li Li, Chengshuai Liu, Ting Gao, Shuguang Li, Shitou Wu;Science advances, https://www.science.org/doi/pdf/10.1126/sciadv.adm8138
Science Advances	2024	IMS 1280-HR	Mobilization of isotopically heavy sulfur during serpentinite subduction; Esther M. Schwarzenbach, Besim Dragovic, Emmanuel A. Codillo, Linus Streicher, Maria Rosa Scicchitano, Uwe Wiechert, Frieder Klein, Horst R. Marschall, Marco Scambelluri;Science advances, https://www.science.org/doi/pdf/10.1126/sciadv.adn0641
GSA Bulletin	2024	IMS 1280-HR	Neoproterozoic tectonic shift along the western margin of the Yangtze block, South China craton: Implications for its paleogeographic position during the Rodinia–Gondwana transition; Liang Qi, Mingcai Hou, Peter A. Cawood, Fuhao Xiong, Touping Peng, and Hu Huang;GSA Bulletin, https://doi.org/10.1130/B37187.1
Geochimica and cosmochimica acta	2024	IMS 1280	Chondrule-like objects and a Ca-Al-rich inclusion from comets or comet-like icy bodies; Takaaki Noguchi, Daisuke Nakashima, Takayuki Ushikubo, Wataru Fujiya, Noriaki Ohashi, John P. Bradley, Tomoki Nakamura, Noriko T. Kita, Peter Hoppe, Hidemi Ishibashi, Makoto Kimura, Naoya Imae;Geochimica and cosmochimica acta, https://doi.org/10.1016/j.gca.2024.07.038
Ore geology review	2024	IMS 1280	In-situ geochemical and isotopic analyses of multiple pyrite generations: Insights for the giant Beiya Au polymetallic ore genesis in southwestern China; Hong-Rui Zhang, Wen-Yan He, Li-Qiang Yang, Yun-Man Zhou, Rui-Rui Zhang, Bo Zhao;Ore Geology review, https://doi.org/10.1016/j.oregeorev.2024.106195
Gondwana Research	2024	IMS 1280-HR	Geochemical and temporal evolution of Indian MORB mantle revealed by the Investigator Ridge in the NE Indian Ocean; Antje Dürkefälden, Folkmar Hauff, Kaj Hoernle, Maxim Portnyagin, Jo-Anne Wartho, Dieter Garbe-Schönberg, Andrey Gurenko, Paul van den Bogaard, Andrea Kipf, Marcus Gutjahr;Gondwana Research, https://doi.org/10.1016/j.gr.2024.07.016
The astrophysical journal	2024	IMS 1280	Late Pebble Accretion of Comet 81P/Wild 2 Nucleus: Evidence from a Plagioclase□bearing Chondrule Fragment, Pyxie; Mingming Zhang , Michael E. Zolensky, Kohei Fukuda, Daisuke Nakashima, Michael K. Weisberg, and Noriko T. Kita;The astrophysical Journal, https://doi.org/10.3847/1538-4357/ad55cc
Marine geology	2024	IMS 1280	Provenance shift of the abyssal plains in the Southwest sub-basin of the South China Sea at~8Ma: Tectonics & climate changes implication; Yi Yan, Lan Liu, Peter D. Clift, Yildirim Dilek, Anbei He;Marine geology, https://doi.org/10.1016/j.margeo.2024.107368
American Mineralogist	2024	IMS 1280	Fingerprinting the source and complex history of ore fluids of a giant lode gold deposit using quartz textures and in-situ oxygen isotopes; Gao-Hua Fan, Jian-Wei Li , Paul T. Robinson , Ya-Fei Wu , Xiao-Dong Deng, Fang-Yue Wang , Wen-Sheng Gao, Si-Yuan Li and Liang Fan; American Mineralogist, https://doi.org/10.2138/am-2023-9017
Computers and Geosciences	2024	LG-SIMS	CSIDRS – stable isotope data reduction software for the CAMECA LG SIMS; Ruby C. Marsden, Laure Martin, Matvei Aleshin and Paul Guagliardo;Computers and Geosciences, https://doi.org/10.1016/j.cageo.2024.105683.
Geostandards and Geoanalytical Research	2024	IMS 1280	ND70 Series Basaltic Glass Reference Materials for Volatile Element (H_2O , CO_2, S, Cl, F) Measurement and the C Ionisation Efficiency Suppression Effect of Water in Silicate Glasses in SIMS; Yves Moussallam, William Henry Towbin, Terry Plank, Hélène Bureau, Hicham Khodja, et al.;Geostandards and Geoanalytical Research, In press, ff10.1111/ggr.12572f
Lithos	2024	IMS 1280-HR	Lithology, U-Pb zircon geochronology, and geochemistry of the Austroalpine Sieggraben complex: Pre-Alpine vs. Alpine history; Marián Putiš, Jiří Sláma, Qiu-Li Li, Ondrej Nemec, Martin Ondrejka, Xian-Hua Li, Friedrich Koller, Lukáš Ackerman, Ladislav Strnad, Peter Ružička;Lithos, https://doi.org/10.1016/j.lithos.2024.107739
Geological Society of London	2024	IMS 1270	Palaeoproterozoic (late “Laxfordian”) reworking of juvenile Neoarchean Lewisian orthogneisses, Iona, Inner Hebrides, Scotland; J. Stephen Daly, Michael J. Flowerdew, Martin J. Whitehouse & Eszter Badenszki;Geological Society of London, https://doi.org/10.1144/sjg2024-005
Planetary Science	2024	IMS 1290	High-precision U-Pb zircon dating identifies a major magmatic event on the Moon at 4.338 Ga; Mélanie Barboni, Dawid Szymanowski, Blair Schoene, Nicolas Dauphas, Zhe J. Zhang, Xi Chen, Kevin D. McKeegan;Planetary Science, https://www.science.org/doi/pdf/10.1126/sciadv.adn9871
Quaternary Science Review	2024	IMS 1280-HR/ IMS 1300-HR3	Updating the Eifel record: Zircon double-dating of tephras from Wehr volcano (East Eifel, Germany) as marker horizons for the European Pleistocene loess stratigraphy; Anne Sturm, Axel K. Schmitt, Martin Danisík;Quaternary Science Review, https://doi.org/10.1016/j.quascirev.2024.108810
Research Square	2024	IMS 1280-HR	Mid-crustal melting in Western Yunnan and its influence on extrusion of the Tibetan Plateau; Mike Fowler, Nigel Harris, Shaocong Lai, Jess King, Jiangfeng Qin;ResearchSquare https://doi.org/10.21203/rs.3.rs-4715341/v1

Geochemistry, Geophysics, Geosystems	2024	IMS 1280	A Contiguous Taltson-Thelon Margin Revisited; J. A. Cutts, B. V. Dyck, M. G. Perrot, J. H. F. L. Davies, A. M. Osinchuk, D. Šilerová, R. A. Stern, M. Chiaradia, and R. Canam;G3, https://doi.org/10.1029/2024GC011527
EPSL	2024	IMS 1280	Fast, furious, and gassy: Etna's explosive eruption from the mantle; Anna Barth, Maxim Portnyagin, Nikita Mironov, Francois Holtz, Yves Moussallam, Estelle F. Rose-Koga, Daniel Rasmussen, Henry Towbin, Helge Gonnermann, Euan J.F. Mutch, Silvio G. Rotolo, Terry Plank;EPSL, https://doi.org/10.1016/j.epsl.2024.118864
Journal of Hazrdous materials	2024	IMS 1280-HR	Tracing semi-quantitatively the absorption and removal of organic pollutants in human hair based on secondary ion mass spectrometry; Jing Zheng, Shiyi Zhang, Weikeng Luo, Qing Yang, Ruixin Qin, Bin Tang, Yanqiang Zhang, Xiaoping Xia, Xiaojun Luo, Bixian Mai, Yunjiang Yu;Journal of Hazardous Materials, https://doi.org/10.1016/j.jhazmat.2024.135278
Ore Geology Review	2024	IMS 1280-HR	Dual-mineralization in the intracontinental Jiangnan Orogen, South China: Evidence from textures and in-situ trace elements and oxygen analysis of quartz from the Woxi Au-Sb-W deposit; Bin Li, Deru Xu, Daoyuan Bai, Guoxiang Chi, Hongsheng He, Yongjun Shao, Teng Deng, Junfeng Dai, Shaohao Zou, Jianfeng Chen;Ore geology review, https://doi.org/10.1016/j.oregeorev.2024.106172
Gondwana research	2024	IMS 1280	Late Mesozoic stratigraphic framework of the Great Xing'an Range, NE China, and overprinting by the Mongol–Okhotsk and Paleo-Pacific tectonic regimes; Yu Li, Wenliang Xu, Xiaoming Zhang, Jie Tang;GondwanaResearch, https://doi.org/10.1016/j.gr.2024.07.006
Precambrian Research	2024	IMS 1280	Heating–cooling–heating cycles within ca. 70 Myr recorded in UHT granulites in the Khondalite Belt, North China Craton; Yang Qi, Shujuan Jiao, Lin Chen, Jiahui Liu, Yu Liu, Jinghui Guo;Precambrian Research, https://doi.org/10.1016/j.precamres.2024.107508
Meteoritics and planetary science	2024	IMS 1280	Corundum ± magnesium-deltalumite ± hibonite-bearing objects in the CH chondrite Sayh al Uhaymir 290; Konstantin M. Ryazantsev, Alexander N. Krot, Chi Ma, Marina A. Ivanova, Cyril A. Lorenz, Vasiliy D. Shcherbakov;Meteoritics and planetary science, https://doi.org/10.1111/maps.14238
Lithos	2024	IMS 1280-HR	The Khashir gabbro-tonalite suite in the Eastern Desert of Egypt: A root of a rifted Tonian oceanic arc system in the northwestern tip of the accretionary Arabian-Nubian orogen; Yasser Abd El-Rahman, Khamis Mekki, Li-Guang Wu, Xian-Hua Li, Mohamed Mabrouk;Lithos, https://doi.org/10.1016/j.lithos.2024.107723
Paleogeography, paleoclimatology, Paleoecology	2024	IMS 1280	Persistent cooling in the Ordovician (Darriwilian–Sandbian) revealed by conodont δ18O records in the Tarim Basin, NW China: Climatic and sedimentary implications; Kang Liu, Maosheng Jiang, Pan Tang, Daizhao Chen;Paleogeography, paleoclimatology, Paleoecology, https://doi.org/10.1016/j.palaeo.2024.112371
Ore Geology Reviews	2024	IMS 1280-HR	New discovery of the Early Paleozoic carbonatite in Bayan Obo (China): Insights into the giant REE accumulation; Yong-Shu Huang, Xiao-Chun Li, Xing-Wang Xu, Qiu-Li Li, Qian Guo, Yu Liu, Guo-Qiang Tang, Xian-Hua Li, Hong-Rui Fan;Ore Geology Reviews, https://doi.org/10.1016/j.oregeorev.2024.106156
Chemical Geology	2024	IMS 1280-HR	Arc building and maturation of the Lombok Island, East Sunda Arc; Guo-Rong Tang, Wei Dan, Adi Maulana, Jian Wang, Zhang Xiu□Zheng, Yun-Ying Zhang, Xin Ma, Qiang Wang, Xi-Jun Liu, Gong-Jian Tang;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.122265
Canadian Journal of Earth Sciences	2024	IMS 1280	Devonian plutons in the eastern Meguma terrane, Nova Scotia, Canada: zircon U-Pb, Lu-Hf and O isotopic compositions, age, and petrogenetic implications; Donnelly Archibald, Sandra M. Barr, Chris E. White, Shae J. Nickerson, Richard A. Stern, Yan Luo, and Graham D. Pearson;Canadian Journal of Earth Sciences, https://doi.org/10.1139/cjes-2024-0023
Precambrian research	2024	IMS 1300-HR3	High-pressure mafic granulite and supracrustal rocks in the southern Hengshan area, North China Craton: Metamorphic P-T-t evolution and geotectonic significance ; Guo-Dong Wang, Xiao-Lei Wang, Zhen M.G. Li, Yue Guan, Juan Wang, Feng-Li Shao, Chun-Ming Wu;Precambrian research, https://doi.org/10.1016/j.precamres.2024.107501
Geological Journal	2024	IMS 1280-HR	Middle to Late Ordovician flare-up of granitoids, South Altyn Tagh: Reworking of exhumed continental crust; Ningchao Zhou, Guochun Zhao, Jinlong Yao, Qian Liu, Yigui Han, Huishan Zhang, Guangli Ren;Geological Journal, DOI: 10.1002/gj.5003
Precambrian Research	2024	IMS 1280	Geochronology and Sr-Nd-Pb-Hf-O isotopes of Neoproterozoic orthogneisses in the Jiamusi Block, NE China: Implications for tectonic origin and secular crustal evolution ; Xin Ding, Hao Yang, Zheng Ji, Yan-Long Zhang, Hao-Ran Wu, Yu Dong, Guan-Ying Yu, Wen-Chun Ge;Precambrian Research, https://doi.org/10.1016/j.precamres.2024.107486
Journal of Petrology	2024	IMS 1280-HR	Bulk rock and olivine chemistry and isotopes of 106-58 Ma basalts from Liaodong Peninsula and its adjacent areas: Implications for secular evolution of the big mantle wedge in eastern China; Chao Zhang, Qiang Ma, Lu-Bing Hong, Hong-Kun Dai, Liang Ma, Yi-Gang Xu, Jian-Ping Zheng, Hui-Ying Cao;Journal of Petrology, https://doi.org/10.1093/petrology/egae071

Geochemistry	2024	IMS 1280	Archean atmospheric sulfur stocked in the Cretaceous gold deposits; Yong-Wen Zhang, Hong-Rui Fan, Long Li, Qiu-Li Li, Hong-Wei Peng, Ya-Chun Cai d, Peng Jiang d, Kai Feng;Geochemistry, https://doi.org/10.1016/j.chemer.2024.126158
Lithos	2024	IMS 1280	Mesozoic crustal growth and recycling along the Southern margin of Eurasia: Magmatic rocks from the Sanandaj-Sirjan Zone of Iran; Hadi Shafaii Moghadam, Wenjiao Xiao, William L. Griffin, Ghasem Ghorbani, Qiu-li Li, Orhan Karsli, Jose F. Santos, Xianquan Ping, Marzieh Bayati, Suzanne Y. O'Reilly;Lithos, https://doi.org/10.1016/j.lithos.2024.107700
Nature Geosciences	2024	IMS 1270	Retention of water in subducted slabs under core–mantle boundary conditions; Yutaro Tsutsumi, Naoya Sakamoto, Kei Hirose, Shoh Tagawa, Koichiro Umemoto, Yasuo Ohishi & Hisayoshi Yurimoto;Nature Geosciences, https://doi.org/10.1038/s41561-024-01464-8
Geochimica and cosmochimica acta	2024	IMS 1280	Forging inner-disk Al-rich chondrules by interactions of CAI-like melt and ambient gas; Mingming Zhang, Kohei Fukuda, Michael J. Tappa, Guillaume Siron, William O. Nachlas, Makoto Kimura, Kouki Kitajima, Ann M. Bauer, Noriko T. Kita;Geochimica and cosmochimica acta, https://doi.org/10.1016/j.gca.2024.06.018
American Mineralogist	2024	IMS 1280	Quartz textures, trace elements, fluid inclusions, and in-situ oxygen isotopes from Aktogai porphyry Cu deposit, Kazakhstan; Changhao Li; Ping Shen; Reimar Seltmann; Di Zhang; Hongdi Pan; Eleonora Seitmuratova;American Mineralogist, https://doi.org/10.2138/am-2023-8931
Journal of Petrology	2024	0	Degassing-driven oxidation promotes HREE enrichment in South China granites; Cheng Xu, Aiguo Shi, Marco Brenna, Pingping Liu, Qiuli Li, Chaoxi Fan;Journal of Petrology, https://doi.org/10.1093/petrology/egae064
Precambrian Research	2024	IMS 1280-HR	Boron sources of tourmaline-rich Nb-Y-F-pegmatites in south Norway: Implications for pegmatite melt origin; Erika De La Cruz, Axel Müller, Robert B. Trumbull, Pedro Faria, Tom Andersen, Muriel Erambert, Magnus Kristoffersen;Precambrian Research, https://doi.org/10.1016/j.precamres.2024.107474
Chemical Geology	2024	IMS 1280	Late Archean K-rich intermediate magmatism driven by deep supracrustal recycling; Wei Wang, Yongjun Lu, Lei Gao, Guozheng Sun, Xingzhi Zhou, Jiachen Yao, Weibo Yang, Xueyin Liang;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.122215
Geoscience Frontiers	2024	IMS 1280	Geology and genesis of the Aqishan Pb-Zn deposit, NW China: Insights from mineralogy, geochemistry, and in situ U-Pb geochronology; Kang Wang, Yinhong Wang, Jun Deng, Jiajun Liu, Fangfang Zhang, Wei Zhang, Hui Zhang, Wenxin Gu, Hong Chen;Geoscience Frontiers (2024), doi: https://doi.org/10.1016/j.gsf.2024.101877
Geochemistry, Geophysics and Geosystems	2024	IMS 1270	Temperatures of Vein Formation Associated With Plate Interface Deformation Constrained by Oxygen and Clumped Isotope Thermometry; T.-W. Chen, A. Smye, M. Lloyd, D. Fisher, and Y. Hashimoto;Geochemistry, Geophysics and Geosystems, https://doi.org/10.1029/2024GC011516
Meteoritics and Planetary Science	2024	IMS 1280	Condensation of refractory minerals on igneous compact type A Ca-Al-rich inclusion from Northwest Africa 7865 CV chondrite; Akimasa SUZUMURA, Noriyuki KAWASAKI, Hisayoshi YURIMOTO, and Shoichi ITOH;Meteoritics and Planetary Science, doi: 10.1111/maps.14222
Geoscience Frontiers	2024	IMS 1280	U-Pb dating of bastnäsite from the Vuoriyarvi massif: An example application for assessing the REE potential of carbonatite-related deposits; Evgeniy N. Kozlov, Ekaterina N. Fomina, Qiuli Li, Jiao Li;Geoscience Frontiers, https://doi.org/10.1016/j.gsf.2024.101875
Lithos	2024	IMS 1280-HR	Late cretaceous intraplate magmatism in Central and South Pamir: Response to edge-driven convection; Xin Ma, Jian Wang, Wei Dan, Qiang Wang, Guo-Rong Tang, Mustafo Gadoev, Ilhomjon Oimahmadov, Murodov Azamdzhon, Sharifjon Odinaev, Gong-Jian Tang;Lithos, https://doi.org/10.1016/j.lithos.2024.107676
Nature Geosciences	2024	IMS 1280-HR	Onset of the Earth's hydrological cycle four billion years ago or earlier; Hamed Gamaleldien, Li-Guang Wu, Hugo K. H. Olierook, Christopher L. Kirkland, Uwe Kirscher, Zheng-Xiang Li, Tim E. Johnson, Sean Makin, Qiu-Li Li, Qiang Jiang, Simon A. Wilde & Xian-Hua Li;Nature Geosciences, https://doi.org/10.1038/s41561-024-01450-0
Chemical Geology	2024	IMS 1300-HR3	Deciphering ore genesis with oxygen and sulfur isotope signatures: A case study from the Singhbhum Shear Zone, Eastern India; S. Neogi, T. Chaudhuri, M. Banerjee, et al., ;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.122195
American Mineralogist	2024	IMS 6f	Miyake-jima Anorthite: A Lunar Crustal Material Analog; Arkadeep Roy; Ananya Mallik; Kerri Donaldson Hanna; Tyler J. Goepfert; Richard L. Hervig;American Mineralogist, https://doi.org/10.2138/am-2023-9122
Geosciences	2024	IMS 1280	Origin of Early Triassic Hornblende Gabbro from the Yunkai Massif, South China: Constraints from Mineral and Bulk-Rock Geochemistry; Wen, Y.; Guo, F.; Zhao, L;Geosciences, https://doi.org/10.3390/geosciences14060147

Precambrian research	2024	IMS 1280	Zircon U–Pb geochronology and geochemistry of Paleoproterozoic quartz monzonite in the Northern Yangtze Craton: Petrogenesis and geological implications; Wen-Xiang Zhang , Rui Li , Guang-Yan Zhou , Zhi-Fu Liu , Yuan-Bao Wu;Precambrian Research, https://doi.org/10.1016/j.precamres.2024.107452
Geosciences	2024	IMS 1280	Origin of Early Triassic Hornblende Gabbro from the Yunkai Massif, South China: Constraints from Mineral and Bulk-Rock Geochemistry; Yaqian Wen, Feng Guo, and Liang Zhao;Geosciences, https://doi.org/10.3390/geosciences14060147
Minerallium Deposita	2024	0	Paleozoic orogenic gold mineralization from metamorphism of volcanic sequences in the North Qinling terrane (central China): Insights from the Yindongpo gold deposit in the Tongbai area; Chai, MC., Li, JW., Wu, YF. et al.;Miner Deposita (2024). https://doi.org/10.1007/s00126-024-01265-4
Geochimica and Cosmochimica Acta	2024	IMS 1270	ultiple sulfur isotopes evidence deep intra-slab transport of sulfate-rich fluids; Isabelle Genot, Samuel Angiboust, Pierre Cartigny;GCA, https://doi.org/10.1016/j.gca.2024.05.025
Chemical Geology	2024	IMS 1280-HR	Identification of variable contributions to arc rocks by Li-Mo and Sr–Nd–Hf–O isotope compositions: A study of the Mafan mafic rocks in the Hong'an orogen, Central China; Huan Chang, Yujie Zhao, Pan Hu, Guangyan Zhou, Wenxiang Zhang, Lian Zhou, Jie Lin, Zhaochu Hu, Yuanbao Wu;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.122188
Ore Geology Review	2024	IMS 1280	Fluid source and ore-forming process of the Lishupo Au deposit, NE Hunan: Constraints from fluid inclusions, SIMS oxygen isotope, LA-ICP-MS pyrite trace elements and fsLA-ICP-MS quartz trace elements; Xiong Zhang, Shichong Wu, Yongjun Shao, Qingquan Liu, Zhilin Wang, Yuce Zhang, Zhaohua Chen;Ore Geology Review, https://doi.org/10.1016/j.oregeorev.2024.106096
Lithos	2024	IMS 1280-HR	First identification of Carboniferous mafic dikes during a period of arc magmatic quiescence in the Northern Qiangtang terrane, central Tibet: Back-arc extension and implications for opening of the Xijir Ulan Ocean; Zhi-Wei Yu, Wei Dan, Qiang Wang, Xiu-Zheng Zhang, Jun Wang, Bing Chen, Lin Gong;Lithos, https://doi.org/10.1016/j.lithos.2024.107662
Geological Society	2024	0	Lamprophyres from the Chhota Udaipur Alkaline – Carbonatite Sub-Province, Deccan Large Igneous Province, India: Implication for Petrogenesis and Crustal Structure; Kirtikumar Randive, Sanjeevani Jawadand, Tushar Meshram, Manoj Sahu, Boris Belyatsky, M. L. Dora, Rajkumar Meshram, J. Vijaya Kumar, Sneha Dandekar, Tejashree Raut, Mahesh Korakoppa, and Rajneesh Bhutani ;Geological Society, https://doi.org/10.1144/SP551-2023-112
Geosphere	2024	IMS 1270	Multi-scale, open-system magmatic and sub-solidus processes contribute to the chemical and isotopic characteristics of the Jurassic Guadalupe Igneous Complex, Sierra Nevada, California, USA; Barbara C. Ratschbacher, Katie Ardill, C. Brenhin Keller, Blair Schoene, Scott R. Paterson, Keith D. Putirka, Jade Star Lackey, and Matthew L. Paige;Geosphere, https://doi.org/10.1130/GES02689.1
International Geology review	2024	IMS 1280	Back-arc magmatism of the Proto-Tethys Ocean in the West Kunlun Orogenic Belt: evidence from the Ordovician Nanpingxueshan Nb-enriched gabbros; Xiao-Qiang Liu,Chuan-Lin Zhang,Zhi-Hao Yang & Muredili Mahemuti;Internation Geology Review, https://doi.org/10.1080/00206814.2024.2355624
American Mineralogist	2024	IMS 1280	Cassiterite and Sn mineralization in the giant Bayan Obo Fe-Nb-REE deposit, North China; Ya-Ting Xu; Ru-Cheng Wang; Mei-Fu Zhou; Fu-Yuan Wu;American Mineralogist, https://doi.org/10.2138/am-2023-9149
GSA Bulletin	2024	IMS 1280	Tracking the tempo of a continental margin arc: insights from a forearc succession in West Antarctica; Riley, T.R. and Flowerdew, M.J. and Carter, Andy and Curtis, M.L. and Millar, I.L. and Crame, A. and Whitehouse, M.J.;GSA Bulletin, https://eprints.bbk.ac.uk/id/eprint/53550/1/Riley%202024.pdf
Meteoritics & Planetary Science	2024	IMS 1290	The Ordovician meteorite event in North America: Age of the Slate Islands impact structure, northern Lake Superior, Ontario, Canada; Andrew F. Parisi, Elizabeth J. Catlos, Michael E. Brookfield, Axel K. Schmitt, Daniel F. Stöckli, Daniel P. Miggins, Daniel S. Campos;Meteoritics & Planetary Science, https://doi.org/10.1111/maps.14183
Contribution to Mineralogy and Petrology	2024	IMS 1280	Melt inclusions in zircon: a window to understanding the structure and evolution of the magmatic system beneath the Laguna del Maule volcanic field; Kei Shimizu, Tyler B. Blum, Chloe E. Bonamici, John H. Fournelle, Christine E. Jilly-Rehak, Noriko T. Kita, Kouki Kitajima, Jacob D. Klug, Will O. Nachlas, Brad S. Singer, Michael J. Spicuzza, Alexander V. Sobolev, Bryan A. Wathen & John W. Valley ;Contrib Mineral Petrol. https://doi.org/10.1007/s00410-024-02133-0
Royal Society Open Science	2024	IMS 1280	Post-Imbrium Pb–Pb isochron ages for Apollo basaltic impact meltsamples 14078 and 68415; Snape JF, Nemchin AA, Whitehouse MJ, Li Q-L, Liu Y, Timms NE, Erickson T, Benedix GK.;Royal Society, https://doi.org/10.1098/rsos.231963

GSA Bulletin	2024	IMS 1280-HR	Stratigraphic and U-Pb zircon age constraints on the timing of the Yanliao Biota in northern China; Zu-Yang Zou; Qiang Ma; Yi-Gang Xu; Liang Liu; Xiao-Ping Xia; Chuan-Mao Yang;GSA Bulletin, https://doi.org/10.1130/B37497.1
Geochemica and Cosmochemica Acta	2024	IMS 1290	HED zircons as a window into the solar system's first crust: Decoupling primordial differentiation, metamorphism and impact events through textural and chemical studies; Melanie Barboni, Madeline Marquardt, Nicholas E. Timms, Elizabeth Ann Bell;Geochemica and Cosmochemica Acta, https://doi.org/10.1016/j.gca.2024.05.011
Precambrian research	2024	IMS 1280	Eoarchean low δ18O zircon indicates emergent land at 3.73 Ga; Piotr Krol, Monika A. Kusiak, Martin J. Whitehouse, Daniel J. Dunkley, Simon A. Wilde;Precambrian Research, https://doi.org/10.1016/j.precamres.2024.107416
Chemical Geology	2024	IMS 1280	Recycled lower oceanic crust signal in early Jurassic A1-type granites, South China: Implications for flat-slab subduction and mantle heterogeneity in the continental back-arc region; Bo Yan, Wu-Xian Li, Xiao-Long Huang, Ji-Hua Tao;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.122155
Geoscience Frontiers	2024	IMS 1280	Cretaceous magmatic arc in Hainan and the peri-South China Sea as evidenced by geochemical fingerprinting of granitoids in the region; Xiao-Yan Jiang, Yildirim Dilek, Xian-Hua Li;Geoscience Frontiers, https://doi.org/10.1016/j.gsf.2024.101866
0	2024	IMS 1280-HR	The 1956 eruption of Bezymianny volcano (Kamchatka). Part I - Petrological constraints on magma storage and eruptive dynamics; Martel et al.;https://doi.org/10.21203/rs.3.rs-4224070/v1
Journal of American Chemical Society	2024	0	Uranium Single Particle Analysis for Simultaneous Fluorine and Uranium Isotopic Determinations via Laser-Induced Breakdown Spectroscopy/Laser Ablation–Multicollector–Inductively Coupled Plasma–Mass Spectrometry; Benjamin T. Manard, C. Derrick Quarles Jr, Veronica C. Bradley, Tyler L. Spano, N. Alex Zirakparvar, Brian W. Ticknor, Daniel R. Dunlap, Paula Cable-Dunlap, Cole R. Hexel, and Hunter B. Andrews*;Journal of American Chemical Society, https://doi.org/10.1021/jacs.4c03965
Geosphere	2024	IMS 1280	Early Paleozoic accretionary history of the Pearya terrane: New insights from igneous and detrital zircon signatures of the Kulutingwak Formation, Ellesmere Island, Nunavut, Canada; Megan M. Koch, William C. McClelland, Jane A. Gilotti, Karolina Kośmińska, Justin V. Strauss, Karol Faehnrich, Luke P. Beranek, and Victoria Pease;Geosphere, https://doi.org/10.1130/GES02723.1
Contribution to Mineralogy and Petrology	2024	IMS 1280-HR	Petrologically controlled oxygen isotopic classifcation of cogenetic magmatic and metamorphic sapphire from Quaternary volcanic felds in the Eifel, Germany; Sebastian Schmidt, Andreas Hertwig, Katharina Cionoiu, Christof Schäfer, Axel K. Schmitt;Contribution to Mineralogy and Petrology, https://doi.org/10.1007/s00410-024-02136-x
Geochemistry International	2024	0	Geochemistry, Monazite (U–Pb–Th) Geochronology, and P-T Pseudosection Modelling of Two-Pyroxene Mafic Granulite from Sonapahar, Shillong Meghalaya Gneissic Complex, India: Implication for Tectono-Metamorphic Evolution and Global Pan-African Correlation; Bikash Mahanta, Prakash, D., Kumar, M. et al.;Geochem. Int. (2024). https://doi.org/10.1134/S0016702924700319
Chemical Geology	2024	IMS 1280-HR	High-resolution carbon and oxygen isotopic compositions of cultured brachiopods: Effect of pH, temperature and growth; Claire Rollion-Bard, Hana Jurikova, Daniela Henkel;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.122132
Earth Science Reviews	2024	IMS 1280	Maturation from oceanic arcs to continental crust: Insights from Paleozoic magmatism in West Junggar, NW China; Jiyuan Yin, Wenjiao Xiao, Tao Wang, Mike Fowler, Andrew C. Kerr, Min Sun, Rob Strachan, He Huang, Ji'en Zhang, Wen Chen, Zaili Tao;Earth Science Review, https://doi.org/10.1016/j.earscirev.2024.104795
Journal of Analytical Science and Technology	2024	IMS 1300-HR3	SIMS study of fne-scale distribution of U, Th and Pb in meteorites; Keewook Yi and Yuri Amelin;Journal of Analytical Science and Technology, https://doi.org/10.1186/s40543-024-00439-z
Chemical Geology	2024	IMS 1280-HR	Silicon and oxygen isotope fractionation in a silicified carbonate rock; Michael Tatzel, Marcus Oelze, Daniel A. Frick, Tommaso Di Rocco, Moritz Liesegang, Maria Stuff, Michael Wiedenbeck;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.122120
Arxiv	2024	IMS 1280	A Short Note on the Age of the Marwar Supergroup, NW India; Huiru Xu, Joseph G. Meert, Manoj Pandit;Arxiv, https://d1wqtxts1xzle7.cloudfront.net/111812273/4893-libre.pdf?1708868717=&response-content-disposition=inline%3B+filename%3DA_Short_Note_on_the_Age_of_the_Marwar_Su.pdf&Expires=1714379597&Signature=f-rzRXmukYxWUyoWXpA22WcOqjzMn8RXVBZCpHz5mMRX0NcfnZRSQ9WUd51CjnojZ~OlTYYcaRKHlb3qT0tb50-FknQkcv0iptMy3NISnmxhjBWTOR9dgJXg89BU86NZOJ3H8aeBkR6dSIWejYiGo6ICHc03iRKq2FaeIa2bWvOPoUKWeq38b7NyxPPC3HDE3-2Lece7ReoFt4R97apenzRVYjK4U~XDTwiNRmef8jDOzeJIH92VvUiqVsRV68e3kcpOGt6a929nLZMKo4KWF~FYVVmba3QFwjewv0LAIQ1KasxoB71fa886H42dZG7g6g5EK~0R7t2fpKZbvm4TuA__&Key-Pair-Id=APKAJLOHF5GGSLRBV4ZA

Geochimica and Cosmochimica Acta	2024	IMS 1280-HR	The role of calcium phosphates and silicates in the storage and transport of phosphorus at the upper?to-lower mantle transition: An experimental study to 25 GPa in a model peridotitic bulk com; Pausch, T., Joachim-Mrosko, B., Withers, A.C., Ludwig, T., Vazhakuttiyakam, J., Konzett, J.;GCA, https://doi.org/10.1016/j.gca.2024.04.026
Precambrian research	2024	IMS 1280	An isolated mildly depleted mantle source for the north atlantic craton; Andreas Petersson, Tod Waight, Martin Whitehouse, Anthony Kemp, Kristoffer Szilas;Precambrian research, https://doi.org/10.1016/j.precamres.2024.107399
International Journal of Earth Sciences	2024	IMS 1280	Petrochronology of the Dom Feliciano Belt foreland in southernmost Brazil reveals two distinct tectonometamorphic events in the western central Kaoko–Dom Feliciano–Gariep orogen; Battisti, M.A., Konopásek, J., Bitencourt, M.d. et al;International Journal of Earth Sciences, https://doi.org/10.1007/s00531-024-02412-y
Chemical Geology	2024	IMS 1270	High–precision determination of carbon stable isotope in silicate glasses by secondary ion mass spectrometry: Evaluation of international standards; Hyunjoo Lee, Yves Moussallama, Estelle F. Rose−Koga, Laurette Piani, Johan Villeneuve, Nordine Bouden, Andrey A. Gurenko, Brian Monteleone, Glenn A. Gaetani;Chemical Geology, https://urldefense.com/v3/__https://scholar.google.com/scholar_url?url=https:**Aeartharxiv.org*repository*object*7030*download*13462*&hl=fr&sa=X&d=17307705717880279006&ei=rkksZpO_OLuNy9YP-KOOwAE&scisig=AFWwaebzI3hy4VZNpjPB7NHz9-uI&oi=scholaralrt&html=&pos=0&folt=kw__;Ly8vLy8vLy8!!HKOSU0g!BXNyeiAJ6n46YktUEL_Wu7O4rJsdQH9BmTUliR6w9qtvc2fpQDl8LtGqnN_IDFVolpgJHq1rTx6Bsj86-qC0ZyV2Lw$
Contributions to Mineralogy and Petrology	2024	IMS 1280-HR	Geochemistry and volatile contents of olivine hosted melt inclusions from Mt. Etna tholeiitic and alkaline magmatism; P. P. Giacomoni, M. Masotta, G. Delpech, G. Lanzafame, C. Ferlito, J. Villeneuve, M. Coltorti;Contributions to Mineralogy and Petrology, https://doi.org/10.1007/s00410-024-02116-1
Petrology	2024	0	Genesis of Dunite from the Guli Puton according to Olivine-Hosted Melt Inclusion Data; Panina, L.I., Isakova, A.T. & Rokosova, E.Y.;Petrology, https://doi.org/10.1134/S0869591124020061
The astrophysical Journal	2024	IMS 1280-HR	Oxygen Isotopic Variations in the Calcium, Aluminum-rich Inclusion–forming Region Recorded by a Single Refractory Inclusion from the CO3.1 Carbonaceous Chondrite Dar al Gani 083; Samuel Ebert, Kazuhide Nagashima, Alexander N. Krot, Markus Patzek, and Addi Bischoff;The astrophysical Journal, https://doi.org/10.3847/1538-4357/ad2ea8
Minerals	2024	IMS 1280	Simultaneous U–Pb and U–Th Dating Using LA-ICP-MS for Young (<0.4 Ma) Minerals: A Reappraisal of the Double Dating Approach; Ito H.;Minerals 2024, 14, 436. https://doi.org/10.3390/min14040436
GSA Bulletin	2024	0	Intra-arc rifting induced the fragmentation of microplate from the continental margin; Limin Wu; Guochun Zhao; Jianfeng Gao; Xiaohan Dong; Aimei Zhang; Touping Peng;GSA Bulletin, https://doi.org/10.1130/B37397.1
Geochimica and Cosmochimica Acta	2024	IMS 1280-HR	An experimental simulation of oxygen isotope exchange reaction between amorphous silicate dust and carbon monoxide gas in the early Solar System; Daiki Yamamoto, Noriyuki Kawasaki, Shogo Tachibana, Lily Ishizaki, Ryosuke Sakurai, Hisayoshi Yurimoto;GCA, https://doi.org/10.1016/j.gca.2024.04.014
Journal of Petrology	2024	0	Geochemical evidence of plume sources for high-MgO lavas in the WK Orogenic Belt; Zhiguo Cheng, Zhaochong Zhang, Mingde Lang, M Santosh, Lijuan Xu, Jingao Liu;Journal of Petrology, https://doi.org/10.1093/petrology/egae042
Journal of African Earth Sciences	2024	IMS 1280-HR	Multistage evolution of gold mineralization in the Kibali gold district: Insights from pyrite analyses; Mpaka, Y.W., Von der Heyden, B.P., Glynn, S., Hurst, G., Lawrence, D., Bampata, T., Mwandale, E;Journal of African Earth Sciences, https://doi.org/10.1016/j.jafrearsci.2024.105244
Earth and Planetary Science Letters	2024	IMS 1270	Accessory mineral microstructure and chronology reveals no evidence for late heavy bombardment on the asteroid 4-Vesta; L.F. White, D.E. Moser, J.R. Darling, B.G. Rider-Stokes, B. Hyde, K.T. Tait, K. Chamberlain, A.K. Schmitt, J. Dunlop, M. Anand, B.G. Ride;EPSL, https://doi.org/10.1016/j.epsl.2024.118694
Petroleum Exploration and development	2024	IMS 1280	Multiple enrichment mechanisms of organic matter in the Fengcheng Formation of Mahu Sag, Junggar Basin, NW China; GONG Deyu, LIU Zeyang, HE Wenjun, ZHOU Chuanmin, QIN Zhijun, WEI Yanzhao, YANG Chun;Petroleum Exploration and development, https://doi.org/10.1016/S1876-3804(24)60024-8
Ore Geology Reviews	2024	IMS 1280	Magmatic-hydrothermal redox state and ore-controlling factors for the Yangla skarn Cu deposit, Sanjiang region, SW China; J-T. Deng, J-J. Zhu, R. Hu, P. Hollings, X-W. Bi, M-L. Huang, Z-Y. Yang, L-C. Pan, D-Z. Wang;Ore Geology Reviews (2024), doi: https://doi.org/10.1016/j.oregeorev.2024.106040

Minerallium Deposita	2024	IMS 1280-HR	Ultrapotassic plutons as a source of uranium of vein type U deposits (Moldanubian Zone, Bohemian Massif): insights from SIMS uraninite U–Pb dating and trace element geochemistry; Martin Kubeš, Jaromír Leichmann, Vojtěch Wertich, Renata Čopjaková, Markéta Holá, Radek Škoda, Bohdan Kříbe, Julien Mercadier, Michel Cuney, Etienne Deloule, Andreï Lecomte, Ewa Krzemińska;Minerallium Deposita, https://doi.org/10.1007/s00126-024-01263-6
GSA Bulletin	2024	0	New precise age constraints of the Hatu gold belt, west Junggar, NW China: Implications for a 300 Ma magmatic hydrothermal event in post-collisional setting; Fang An; Tian Qiu; Hong Zhang; Honglin Yuan; Yongfeng Zhu;GSA Bulletin, https://doi.org/10.1130/B37148.1
Mineral Deposita	2024	0	Genesis of Pb–Zn-Ag-Sb mineralization in the Tethys Himalaya, China: Early magmatic-hydrothermal Pb–Zn(-Ag) mineralization overprinted by Sb-rich fluids; Xiang Sun, Ru-Yue Li, Hao-Yu Sun, Paul H. Olin, M. Santosh, Bin Fu & Jun Deng;Miner Deposita (2024). https://doi.org/10.1007/s00126-024-01264-5
Geochimica and Cosmochimica Acta	2024	IMS 1280-HR	Phosphate uptake is an essential process for rapid bone mineralization during early diagenesis – Evidence from bone alteration experiments; Anna G. Kral, Thorsten Geisler, Michael Wiedenbeck, Paul Guagliardo, Thomas Tütken;GCA, https://doi.org/10.1016/j.gca.2024.04.004
Ore Geology Review	2024	IMS 1280	Physico-chemical constraints associated with hypogene hydrothermal alteration and supergene oxidation at the Farallon ´ Negro intermediate-sulfidation epithermal Au-Ag deposit, NW Argentina; Michael Herzog, Steffen Hagemann, Hans Albert Gilg, Ana Fogliata, Nicolas Montenegro;Ore Geology Review, https://doi.org/10.1016/j.oregeorev.2024.106010
EPSL	2024	IMS 1270-E7	Chrome-rich spinels in micrometeorites from modern Antarctic sedimentary deposits; Flore Van Maldeghem, Ryoga Maeda, Bastien Soens, Martin D. Suttle, Lisa Krämer Ruggiu, Carole Cordier, Akira Yamaguchi, Philippe Claeys, Luigi Folco, Steven Goderis;EPSL
The Astrophysical Journal	2024	IMS 1280	Unraveling the Cr Isotopes of Ryugu: An Accurate Aqueous Alteration Age and the Least Thermally Processed Solar System Material; Ryoji Tanaka , Dilan M. Ratnayake , Tsutomu Ota , Noah Miklusicak , Tak Kunihiro et al.;The Astrophysical Journal, https://doi.org/10.3847/1538-4357/ad276a
American Mineralogist	2024	0	Evidence for Oceans pre-4300 Ma Confirmed by Preserved Igneous Compositions in Hadean Zircon; Emilia M. Cameron; Tyler B. Blum; Aaron J. Cavosie; Kouki Kitajima; Lutz Nasdala; Ian J. Orland; Chloe E. Bonamici; John W. Valley;American Mineralogist, https://doi.org/10.2138/am-2023-9180
Proceedings of the Indian National Science Academy	2024	0	Geochronological and metal isotopic studies in India: an overview of new and existing geoanalytical facilities in India; P. K. Mukherjee, Pankaj Kumar, S. Singhal, Paramjeet Singh, D. Upadhyay, W. Rahman, J. K. Thomson, S. Das, A. K. Jain & S. Chopra ; Proceedings of the Indian National Science Academy, https://link.springer.com/article/10.1007/s43538-024-00262-5
Geochemica and Cosmochemica Acta	2024	IMS 1280-HR	Trace elements in zircon record changing magmatic processes and the multi□stage build-up of Archean proto-continental crust; Nadja Drabon, Heather Kirkpatrick, Gary R. Byerly, Joseph L. Wooden;GCA, https://doi.org/10.1016/j.gca.2024.03.014
Chemical Geology	2024	IMS 1300-HR3	Mo-Mg isotopes trace the role of serpentinite in generating arc magmatism; Qing-Chen Yang, Wei Fang, Li-Qun Dai, Zi-Fu Zhao, Guo-Chao Sun, Bing Gong;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.122074
American Mineralogist	2024	IMS 1280-HR	High resolution SIMS U-Th-Pb geochronology of small size (< 5 μm) monazite: Constraints on the timing of Qiuling sediment-hosted gold deposit, South Qinling Orogen, central China; Lei Chen; Albert H. Hofstra; Xian-Hua Li; Qiu-Li Li; Yu Liu; Xiao-Xiao Ling; Xiao-Yan Liu; Wei Jian;American Mineralogist, https://doi.org/10.2138/am-2023-9210
American Mineralogist	2024	IMS 1280	Louisfuchsite, Ca2(Mg4Ti2)(Al4Si2)O20, a new rhönite-type mineral from the NWA 4964 CK meteorite: A refractory phase from the solar nebula ; Chi Ma; Alexander N. Krot; Kazuhide Nagashima; Tasha Dunn;American Mineralogist, https://doi.org/10.2138/am-2023-9283
Lithos	2024	IMS 1280-HR	Evolution of A-type granites during the Late Paleoproterozoic orogenic cycle of North China craton: Implications for post-collisional magmatism; Dongjian Ouyang, Shujuan Jiao, William J. Collins, Yang Qi, Hao Liu, Jinghui Guo;Lithos, https://doi.org/10.1016/j.lithos.2024.107584
Earth and Planetary Science Letters	2024	IMS 1280-HR	Neoproterozoic low-T/P metamorphism in the Yangtze Block manifests a long-lived subduction girdle around Rodinia; Jun-Yong Li, Xiao-Lei Wang, Peter A. Cawood, Zhi-Dong Gu, Yue Guan;EPSL, https://doi.org/10.1016/j.epsl.2024.118678
Chemical Geology	2024	IMS 1280-HR	The history of serpentinisation at mid-ocean ridges: Insights from in situ trace elements coupled with oxygen and boron isotopes; Coralie Vesin, Daniela Rubatto, Thomas Pettke;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.122060

EPSL	2024	IMS 1280	Sublithospheric diamonds extend Paleoproterozoic record of cold deep subduction into the lower mantle; Qiwei Zhang, Suzette Timmerman, Thomas Stachel, Ingrid Chinn, Richard A. Stern, Joshua Davies, Fabrizio Nestola, Robert Luth, D. Graham Pearson;EPSL, https://doi.org/10.1016/j.epsl.2024.118675
Lithos	2024	IMS 1280	Multiple-pulse magmatic intrusion and fluid metasomatism in Mesozoic Qianlishan rare metal granite, South China: Records from apatite geochemistry; Feng Zhang, Feng Guo, Xiaobing Zhang, Liang Zhao, Weicheng Hua, Xin Huang, Xufeng Tian;Lithos, https://doi.org/10.1016/j.lithos.2024.107580
Chemical Geology	2024	IMS 1280	Refining granite generation by interrogation of zircon and monazite U-Th-Pb and Hf/Nd-O isotopes ; Xing Zhang, Yuanbao Wu, Bin Fu, Wenxiang Zhang, Long Li, Guangyan Zhou, Rui Li, Zhaochu Hu, Yu He, Zhengwei Qin;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.122051
Scientific reports	2024	IMS 1300-HR3	Simulant molten core–concrete interaction experiments in view of understanding Fukushima Daiichi Nuclear Power Station Cs bearing particles generation mechanism; Hugo Lafolley, Christophe Journeau & BerndGrambow;Scientific reports, https://doi.org/10.1038/s41598-024-56972-9
Geostandards and Geoanalytical research	2024	IMS 1280	ND70 series basaltic glass reference materials for volatile element (H2O, CO2, S, Cl, F) analysis and the C ionisation efficiency suppression effect of water in silicate glasses in SIMS analysis.; Yves Moussallam, William Henry Towbin, Terry Plank, Hélène Bureau, Hicham Khodja, Yunbin Guan, Chi Ma, Michael B. Baker, Edward M. Stolper, Fabian U. Naab, Brian D. Monteleone, Glenn G. Gaetani, Hyun Joo Lee, Shuo Ding, Sarah Shi, Estelle F. Rose-Koga;Geostandards and Geoanalytical research
Geostandards and Geoanalytical research	2024	IMS 1280	Chromite Reference Materials and Matrix Effects in SIMS Oxygen Isotope Measurements; Qi-Qi Pan, Jing Wang, Yan Xiao, Bin Fu, Yang Bai, Ian S. Williams, Ben-Xun Su;Geostandards and Geoanalytical research, https://doi.org/10.1111/ggr.12548
Science advances	2024	IMS 1280	Dense hydrated Mg-silicates in diamond: Implications for transport of H2O into the mantle; Luísa D. V. Carvalho, Thomas Stachel, Robert W. Luth, Andrew J. Locock, D. Graham Pearson,Matthew Steele- MacInnis, Richard A. Stern, Fabrizio Nestola, Ricardo Scholz, Tiago Jalowitzki, Reinhardt A. Fuck;Science advances, https://www.science.org/doi/full/10.1126/sciadv.adl4306
Geostandards and Geoanalytical Research	2024	IMS 1280-HR	SIMS Iron Isotope Measurements of the Balmat Pyrite Reference Material: A Non-Unique δ56Fe Signature; Virgil Pasquier, Eric S. Rego, Juliette Dupeyron, Anne-Sophie Bouvier, Thomas Bovay, Martin Robyr and Johanna Marin-Carbonne;Geostandards and Geoanalytical Research, doi: 10.1111/ggr.12549
JGR Solid Earth	2024	IMS 1280	Low δ18O and δ30Si TTG at ca. 2.3 Ga Hints at an Intraplate Rifting Onset of the Paleoproterozoic Supercontinent Cycle; Yanyan Zhou, Mingguo Zhai, Ross N. Mitchell, Peter A. Cawood, Guangyu Huang, Christopher J. Spencer, Mimi Chen, Yibing Li, Taiping Zhao, Tengfei Wu;JGR Solid Earth, https://doi.org/10.1029/2023JB027306
Nature Communication	2024	IMS 1280-HR	Completing the loop of the Late Jurassic–Early Cretaceous true polar wander event; Yifei Hou, Pan Zhao, Huafeng Qin, Ross N. Mitchell, Qiuli Li, Wenxing Hao, Min Zhang, Peter D. Ward, Jie Yuan, Chenglong Deng & Rixiang Zhu;Nature communication, https://doi.org/10.1038/s41467-024-46466-7
Contributions to Mineralogy and Petrology	2024	IMS 1280	Microstructural and isotopic analysis of shocked monazite from the Hiawatha impact structure: development of porosity and its utility in dating impact craters; William R. Hyde, Gavin G. Kenny, Martin J. Whitehouse, Richard Wirth, Vladimir Roddatis, Anja Schreiber, Adam A. Garde, Anders Plan, Nicolaj K. Larsen;Contributions to Mineralogy and Petrology https://doi.org/10.1007/s00410-024-02097-1
Journal of Asian Earth Sciences	2024	IMS 1280	From Triassic metamorphism to Early Cretaceous anatexis in the Dabie orogen, central China: Constraints from in-situ U-Pb age and Hf and O isotopes of zircon from migmatites; Hengcong Lei, Haijin Xu, Hui Zhang, Liangpeng Deng, Dongsheng Hu, Yongkang Ye;Journal of Asian Earth Sciences, https://doi.org/10.1016/j.jseaes.2024.106107
Journal of Metamorphic Geology	2024	0	Metamorphic evolution and geological significance of Early Palaeozoic high-pressure granulites from the East Kunlun (NW China); An-Ping Chen, Hong-Fu Zhang, Ming-Jie Zhang, Xiao-Qi Zhang;Journal of Metamorphic Geology, https://doi.org/10.1111/jmg.12767
Geochimica et Cosmochimica Acta	2024	IMS 1270-E7	Isotopic evolution of the inner solar system revealed by size-dependent oxygen isotopic variations in chondrules; Yves Marrocchi, Alize Longeau, Rosa Lozano Goupil, Valentin Dijon, Gabriel Pinto, Julia Neukampf, Johan Villeneuve, Emmanuel Jacquet;Geochimica et Cosmochimica Acta, https://doi.org/10.1016/j.gca.2024.03.001

Geological Society of America	2024	IMS 1280-HR	Precipitation of Ag-Pb-Zn ores of the Poshan vein deposit in the Qinling orogen (central China) by dilution of magmatic hydrothermal fluids; Ming-Chun Chai, Jian-Wei Li, Xiao-Ping Xia, Gao-Hua Fan, and Wei Fu;Geological Society of America, https://doi.org/10.1130/B37126.1.
Journal of Analytical Atomic Spectrometry	2024	IMS 1300-HR3	Barite Oxygen Isotope Reference Materials for Highly Precise and Accurate SIMS Microanalysis; Lan-Lan Tian, Yue Guan, Wen-Li Xie, Kexin Xu, Feng-Tai Tong, Tao Yang, Yong-Bo Peng and Xiao-Lei Wang ;Journal of Analytical Atomic Spectrometry, https://doi.org/10.1039/D3JA00353A
Precambrian Research	2024	IMS 1280	Continental subduction in Paleoproterozoic: Insights from ~ 1.9 Ga nepheline syenite in the North China craton; Jian-Li Kang, Peng Peng, Huichu Wang, Xu Liu, Zhibin Xiao, Xinping Wang, Jiahui Liu, Chong Wang;Precambrian Research, https://doi.org/10.1016/j.precamres.2024.107346
Journal of petrology	2024	IMS 1270-E7	The Origin and Differentiation of CO2-Rich Primary Melts in Ocean Island Volcanoes: Integrating 3D X-Ray Tomography with Chemical Microanalysis of Olivine-Hosted Melt Inclusions from Pico (Azores).; Thomas D. van Gerve, David A. Neave, Penny Wieser, Hector Lamadrid, Niels Hulsbosch and Olivier Namur;Journal of Petrology, https://doi.org/10.1093/petrology/egae006
Communication Earth and Environment	2024	IMS 1300-HR3	Geochemical diversity of continental arc basaltic mushy reservoirs driven by reactive melt infiltration; Jun-Yong Li, Xiao-Lei Wang, Zhi-Dong Gu, Di Wang & De-Hong Du;Communication Earth and Environment, https://doi.org/10.1038/s43247-024-01279-w
Journal of Petrology	2024	IMS 1270	Olivine-Hosted Melt Inclusions Track Progressive Dehydration Reactions in Subducting Slabs Across Volcanic Arcs; Raimundo Brahm, Daniel Coulthard Jr., Georg Zellmer, Takeshi Kuritani, Naoya Sakamoto, Hajime Taniuchi, Hisayoshi Yurimoto, Mitsuhiro Nakagawa , Eiichi Sato;Journal of Petrology,
Journal of Petrology	2024	0	Protracted and progressive crustal melting during continental collision in the Pamir and plateau growth ; Gong-Jian Tang, Derek A Wyman, Wei Dan, Qiang Wang, Xi-Jun Liu, Ya-Nan Yang, Mustafo Gadoev, Ilhomjon Oimahmadov;Journal of Petrology, https://doi.org/10.1093/petrology/egae024
JGR Planets	2024	IMS 1280-HR	Early Thermal Histories of IAB Main Group Irons: Insights From Ca-Phosphates in Campo del Cielo and Nantan; Y. Li, A. Mei, W. Hsu, S. Li;JGR Planets, https://doi.org/10.1029/2023JE008124
Ore Geology Review	2024	IMS 1280-HR	Geochemical and geochronological studies of the Um Samiuki deposit (Eastern Desert, Egypt): Metal mobilization in a stratabound massive sulfide ore; Basem Zoheir, Stephanie Lohmeier, Yongyong Tang, Andrew Martin;Ore Geology Review, https://doi.org/10.1016/j.oregeorev.2024.105967
ACS OMEGA	2024	IMS 1280	Oxygen Isotope and Fluorine Impurity Signatures during the Conversion of Uranium Ore Concentrates to Nuclear Fuel; Aaron M. Chalifoux, Cody Nizinski, Miguel Cisneros, Travis Tenner, Benjamin Naes, Kimberly N. Wurth, Erik Oerter, Michael Singleton, Gabriel J. Bowen, and Luther W. McDonald IV;ACS OMEGA, https://pubs.acs.org/action/showCitFormats?doi=10.1021/acsomega.3c10481&ref=pdf
Science China Earth Sciences	2024	IMS 1280-HR	Multiple thermal events recorded in the Acasta Gneiss Complex: Evidence from in-situ dating of zircon, titanite, and apatite; Qingfeng Mei, Jinhui Yang, Jinfeng Sun, Qiuli Li, Shitou Wu, Xiaoxiao Ling, Peng Peng & Hao Wang ;Science China Earth Sciences, https://doi.org/10.1007/s11430-023-1251-2
Ore Geology Review	2024	IMS 1280	In-situ multiple sulfur isotopes of the Archean Hongtoushan Cu-Zn-Au deposit from North China Craton as tracers for the source and the size and grade of the VMS ore deposit; Jinyu Li, Ye Qian, Shao-Yong Jiang;Ore Geology Review, https://doi.org/10.1016/j.oregeorev.2024.105961
Geochimica et Cosmochimica Acta	2024	IMS 1280	Comet 81P/Wild 2 dust impactors of Stardust turnip-like tracks analogous to cluster IDPs; Mingming Zhang, Noël Chaumard, Céline Defouilloy, William O. Nachlas, Donald E. Brownlee, David J. Joswiak, Andrew J. Westphal, Zack Gainsforth, Kouki Kitajima, Noriko T. Kita;Geochimica et Cosmochimica Acta (2024), doi: https://doi.org/ 10.1016/j.gca.2024.02.013
Geochemistry, Geophysics, Geosystems	2024	IMS 1280-HR	Magmatic Evolution of the Fossil Melanesian Island Arc: Evidence From Lower Miocene Lavas of Malekula Island (Vanuatu); K. M. Haase, K. P. Schneider, B. Pelletier, and O. Ishizuka;Geochemistry, Geophysics, Geosystems, https://doi.org/10.1029/ 2023GC011187
National Science Review	2024	IMS 1280-HR	Three-stage niobium mineralization at Bayan Obo, China; Yan Yu, Yang Li, Yu Liu, Xiao-Xiao Ling, Li-Guang Wu, Li Yang, Lan Yang, Bo Yang, Yong-Gang Zhao, Xian-Hua Li;National Science Review

Scientific Reports	2024	IMS 1280-HR	Difusion induced lithium isotopic heterogeneity in olivines from peridotites of an oceanized mantle lithosphere at theYunzhug ophiolite (central Tibet); Ren Deng Shi, Guang hao Cui, Qi Shuai Huang, Xiao Xiao Huang, Haibo Zou, Xiaohan Gong & Jing SuiYang;Scientific Reports, https://doi.org/10.1038/s41598-024-54616-6
Precambrian Research	2024	IMS 1280	A Paleoproterozoic magmatic flare-up in the Central Domain of the Ketilidian Orogen, South Greenland, and correlations to Canada and Scandinavia; R. Vestergaard, T. Waight, A. Petersson, A.M. Hinchey, M.J. Whitehouse;Precambrian Research, https://doi.org/10.1016/j.precamres.2024.107320
Precambrian Rsearch	2024	IMS 1280	Carbonaceous matter in ~ 3.5 Ga black bedded barite from the Dresser Formation (Pilbara Craton, Western Australia) – Insights into organic cycling on the juvenile Earth ; L. Weimann, M. Reinhardt, J.-P. Duda, H. Mißbach-Karmrodt, H. Drake, J. Schonig, J. Holburg, L.B. Andreas, J. Reitner, M.J. Whitehouse, V. Thiel;Precambrian Research, https://doi.org/10.1016/j.precamres.2024.107321
Applied Geochemistry	2024	IMS 1280-HR	Qingshan sanidine (QSs): A new mesozoic 40Ar/39Ar dating standard tied to the M0r (Barremian–Aptian boundary); Yinzhi Wang, Liekun Yang, Wenbei Shi, Lin Wu, Fei Wang;Applied Geochemistry, https://doi.org/10.1016/j.apgeochem.2024.105932
Mineralium Deposita	2024	IMS 1280	Fluid-rock sulfidation reactions control Au-Ag-Te-Bi precipitation in the Val-d'Or orogenic gold vein field (Abitibi subprovince, Canada); Michael Herzog, Crystal LaFlamme, Georges Beaudoin, Guillaume Barré, Laure Martin & Dany Savard ; Mineralium Deposita, https://doi.org/10.1007/s00126-024-01247-6
Meteoritics & Planetary Science	2024	IMS 1270-E7	Oxygen isotopic compositions of fresh rooftop micrometeorites from the Budel collection—Insights into the contemporary cosmic dust flux; Guido JONKER, Flore van MALDEGHEM, Matthias van GINNEKEN, Lisa KRAMER RUGGIU, and Steven GODERIS;Meteoritics & Planetary Science, doi: 10.1111/maps.14145
Precambrian Research	2024	IMS 1280	Petrogenesis of the Neoproterozoic Fanjingshan leucogranite associated with W–Sn mineralization: Insights from U–Pb ages and geochemistry; Xiao-Yan Jiang, Jia Guo, Wei-Guang Zhu, Jin-Cheng Luo, Ke-Nan Jiang;Precambrian Research, https://doi.org/10.1016/j.precamres.2024.107301
Journal of Metamorphique Geology	2024	IMS 1280-HR	Cold deep subduction of Indian continental crust and release of ultrahigh-pressure fluid during initial exhumation: Insights from coesite-bearing eclogite-vein systems in Kaghan Valley, Pakistan; Shun Guo, Anping Chen, Xirun Cai, Yi Chen, Pan Tang, Qiuli Li;Journal of Metamorphique Geology, https://doi.org/10.1111/jmg.12760
Geology of Ore deposits	2024	0	Garmite, CsLiMg2(Si4O10)F2, a New Mica-Group Mineral from "Quartz Blocks" of the Darai-Pioz Alkaline Massif, Tajikistan; L. A. Pautov, A. A. Agakhanov, I. V. Pekov, V. Yu. Karpenko, O. I. Siidra, E. V. Sokolova, F. C. Hawthorne & A. R. Fayziev ;Geology of Ore deposits, https://doi.org/10.1134/S1075701523070073
Resource Geology	2024	IMS 1280-HR	In situ sulfur isotope analysis of pyrite from the Ezuri Kuroko-type volcanogenic massive sulfide deposit, northeastern Japan: Contribution of microbial sulfate reduction to initial sulfide mineralization; Tatsuo Nozaki, Toshiro Nagase, Takayuki Ushikubo, Kenji Shimizu, Kosei Komuro;Resource Geology, https://doi.org/10.1111/rge.12328
Chemical Geology	2024	IMS 1280-HR	Hornblendites as a record of differentiation, metasomatism and magma fertility in arc crust; Ren-Zhi Zhu, Daniel J. Smith, Fangyue Wang, Jiang-Feng Qin, Chao Zhang, Shaowei Zhao, Min Liu, Fangyi Zhang, Yu Zhu, Shao-Cong Lai;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.121974
Meteoritics & Planetary Science	2024	IMS 1280	Unusual sources of fossil micrometeorites deduced from relict chromite in the small size fraction in ~467 Ma old limestone; Philipp R. HECK, Birger SCHMITZ, Xenia RITTER, Surya S. ROUT, Noriko T. KITA, Celine DEFOUILLOY, Katarina KEATING, Kevin EISENSTEIN, and Fredrik TERFELT;Meteoritics & Planetary Science; doi: 10.1111/maps.14133
Ore Geology Review	2024	IMS 1270	Sulfur isotope and trace element constraints on the conditions of pyrite formation from the Diantou-Shuanglong sandstone-hosted uranium deposit, Ordos Basin, China: Implications for uranium mineralization; Yuhan Sun, Yangquan Jiao, Michel Cuney, Liqun Wu, Julien Mercadier, Hui Rong, Yang Liu, Zhenpeng Tao ;Ore Geology Review, https://doi.org/10.1016/j.oregeorev.2024.105921
Journal of Petrology	2024	IMS 1280	Fluid-induced metamorphism and deformation at the eastern boundary of the Sveconorwegian Province; C L Urueña, C Möller;Journal of Petrology, https://doi.org/10.1093/petrology/egae008
Palaeogeography, Palaeoclimatology, Palaeoecolog	2024	IMS 1280-HR	Devonian sea surface temperature and paleoecology changes constrained by in situ oxygen isotopes of fish fossils; Chang Lu, Xin-Dong Cui, Jun Chen, Ze-Xian Cui, Min Zhu, Yi-Gang Xu;Palaeogeography, Palaeoclimatology, Palaeoecology, https://doi.org/10.1016/j.palaeo.2024.112059

Chemical Geology	2024	IMS 1280-HR	Olivine formation processes and fluid pathways in subducted serpentinites revealed by in-situ oxygen isotope analysis (Zermatt-Saas, Switzerland); Michelle Ulrich, Daniela Rubatto, Jörg Hermann, Thorsten A. Markmann, Anne-Sophie Bouvier, Etienne Deloule;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.121978
Lithos	2024	IMS 1280-HR	A Jurassic metamorphic-anatectic event in the Jiaodong Peninsula, eastern China: Zircon and titanite U-Pb ages of migmatites and their implications; Lishuang Liu, Matthew J. Kohn, Jinghui Guo;Lithos, https://doi.org/10.1016/j.lithos.2024.107525
Tectonophysics	2024	IMS 1280-HR	Metamorphic P-T-t constraint on the Bantimala garnet-epidote-glaucophane schist and its implication on Mesozoic evolution of Western Sulawesi, Indonesia ; Juiyen Hsia, Jian Zhang, Jiahui Qian, Jin Liu, Yuntao Tian, Welson Weisheng Xian, Changqing Yin, Peng Gao, Marnie Forster, Minjie Guo;Tectonophysics, https://doi.org/10.1016/j.tecto.2024.230228
International Geology Review	2024	IMS 1280-HR	The Belingwe greenstone belt, Zimbabwe – some new age constraints and implications for greenstone belt evolution; Axel Hofmann, Xian-Hua Li, Dwight C. Bradley & Fabien Humbert;International Geology Review, https://doi.org/10.1080/00206814.2024.2309477
Journal of Analytical Atomic spectrometry	2024	IMS 1280-HR	Ultralow H2O content analysis with large-geometry secondary ion mass spectrometer; Zexian Cui, Xiaoping Xia, Qing Yang, Kai Zhang, Xiaozhi Yang, Chun-Kit Lai, Wanfeng Zhang, Yanqiang Zhang and Ya-Nan Yang ;Journal of Analytical Atomic spectrometry, https://doi.org/10.1039/D3JA00422H
Precambrian Research	2024	IMS 1280	Silica cementation history of the Ediacara Member (Rawnsley Quartzite, South Australia): Insights from petrographic and in situ oxygen isotopic microanalyses; Silvina Slagter, Lidya G. Tarhan, Tyler B. Blum, Mary L. Droser, John W. Valley;Precambrian research, https://doi.org/10.1016/j.precamres.2024.107288
Lithosphere	2024	IMS 1280-HR	The Late Cambrian to Neogene Evolution of the Khanom Core Complex (Peninsular Thailand); Urs S. Klötzli, Bernhard Neugschwentner, Jolanta Burda, Pitsanupong Kanjanapayont,Qiu-Li Li, Yu Liu, Patrik Konečný, and Punya Charusiri;Lithosphere, https://doi.org/10.2113/2024/lithosphere_2023_272
Chemical Geology	2024	IMS 1280-HR	Atmospheric ozone destruction and the end-Permian crisis: Evidence from multiple sulfur isotopes; Rucao Li, Shuzhong Shen, Xiao-Ping Xia, Bing Xiao, Yuzhou Feng, Huayong Chen;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2024.121936
Precambrian Research	2024	IMS 1280	Aspects of the biological carbon cycle in a ca. 3.42-billion-year-old marine ecosystem; M. Reinhardt, V. Thiel, J.-P. Duda, A. Hofmann, D. Bajnai, W. Goetz, A. Pack, J. Reitner, M. Schanofski, J. Schonig, M.J. Whitehouse, H. Drake;Precambrian research, https://doi.org/10.1016/j.precamres.2024.107289
Earth and Planetary science letters	2024	IMS 1270-E7	Condensate evolution in the solar nebula inferred from combined Cr, Ti, and O isotope analyses of amoeboid olivine aggregates; Christian A. Jansen, Christoph Burkhardt, Yves Marrocchi, Jonas M. Schneider, Elias Wolfer, Thorsten Kleine;Earth and Planetary science letters, https://doi.org/10.1016/j.epsl.2024.118567
Lithosphere	2024	IMS 1280-HR/IMS 1300-HR3	Petrogenesis and Tectonic Implication of Jurassic Granites in Central Guangdong, SE China: Constraints from Zircon U-Pb-Hf□O and Whole-Rock Geochemical and Sr-Nd Isotopic Data; Zhiguang Lai , Yongxin Xu, Chunbo Xin, and Xuewen Luo;Lithosphere, https://doi.org/10.2113/2024/lithosphere_2023_327
Communications Earth & environment	2024	IMS 1280	Light oxygen isotopic composition in deep mantle reveals oceanic crust subduction before 3.3 billion years ago; Dongjian Ouyang, Huiming Bao, Gary R. Byerly & Qiuli Li;Communications Earth & environment, https://doi.org/10.1038/s43247-023-01197-3
Scientific reports	2024	IMS 1270-E7	Pressure dependence of metal–silicate partitioning explains the mantle phosphorus abundance; Nagi Ikuta, Naoya Sakamoto, ShohTagawa, Kei Hirose, YutaroTsutsumi, ShunpeiYokoo & Hisayoshi Yurimoto;Scientific reports, https://doi.org/10.1038/s41598-024-51662-y
Geochemistry, Geophysics, Geosystems	2024	IMS 1290	Mafic Alkaline Magmatism and Rare Earth Element Mineralization in the Mojave Desert, California: The Bobcat Hills Connection to Mountain Pass; Watts, K. E., Miller, D. M., & Ponce, D. A;Geochemistry, Geophysics, Geosystems, https://doi.org/10.1029/2023GC011253
Earth and Planetary Science Letters	2024	IMS 1270-E7	The identification of airbursts in the past: Insights from the BIT-58 layer; Matthias van Ginneken, Ralph P. Harvey, Steven Goderis, Natalia Artemieva, Mark Boslough, Ryoga Maeda, Jerome Gattacceca, Luigi Folco, Akira Yamaguchi, Corinne Sonzogni, Penelope Wozniakiewicz;Earth and planetary Science Letters, https://doi.org/10.1016/j.epsl.2023.118562
Geochemical Perspectives Letters	2024	IMS 1280-HR	Magnesiowüstite as a major nitrogen reservoir in Earth´s lowermost mantle; G. Rustioni, M. Wiedenbeck, N. Miyajima, A. Chanyshev, H. Keppler;Geochemical Perspectives Letters, https://doi.org/10.7185/geochemlet.2401

Lithos	2024	IMS 1280-HR	Origin of the Permian high silica A-type granites in Halajun, South Tienshan, NW China: Implications for crystal-liquid segregation and rare metal fertilization; Tian-Chu Chen, Ming-Xing Ling, Yu-Long Liu, Xiao-Yan Jiang, Ying Wei, Jia-Jie Chen;Lithos, https://doi.org/10.1016/j.lithos.2024.107490
Precambrian research	2024	IMS 1280-HR	Black shale LA-ICP-MS Rb-Sr and monazite SIMS U-Pb geochronology from the Cryogenian successions in the northern Yangtze Block; Zhongwu Lan, Kyle Larson, Rong Cao, Qin Ye, Jun Hu, Guoqiang Tang, Jiao Li, Jinnan Tong;Precambrian Rsearch, https://doi.org/10.1016/j.precamres.2023.107277
American Mineralogist	2023	0	Melt-mediated re-equilibration of zircon produced during meltdown of the Chernobyl reactor; Denis Fougerouse, Thorsten Geisler , Steven M. Reddy, Matvei Aleshin , Laure Martin , Luc S. Doucet, Zakaria Quadir , David Saxey and William Rickard;American Mineralogist, https://doi.org/10.2138/am-2022-8824
Geosciences	2023	IMS 1280	Tetrad Effect of Rare Earth Element Fractionation in Zircon from the Pegmatite of the Adui Massif, Middle Urals; Ekaterina V. Levashova, Sergey G. Skublov, Dmitry A. Zamyatin, Qiuli Li, Dmitry S. Levashov and Xianhua Li;Geosciences https://doi.org/10.3390/ geosciences14010007
Research Square	2023	IMS 1300-HR3	Origin and generation mechanism of type-A Cs□bearing microparticles from Fukushima Daiich; Hugo Laffolley, Christophe Journeau, and Bernd Grambow;Rsearch Square, https://doi.org/10.21203/rs.3.rs-3785361/v1
Ore Geology Reviews	2023	IMS 1280-HR	Age and genesis of the Tongshan banded iron formation in the Zhongtiao region, North China Craton ; Shangjun Xie, Zhiguo Dong, Jibin Shang, Xin Zhang, Zidong Peng, Wen Li, Lianchang Zhang, Yulin Shi, Leslie Robbins, Changle Wang;Ore Geology Reviews, https://doi.org/10.1016/j.oregeorev.2023.105845
Journal of Volcanology and Geothermal Research	2023	IMS 1270	The Cerro Guacha Caldera complex, SW Bolivia: A long-lived, multicyclic, resurgent caldera complex in the Altiplano-Puna Volcanic Complex of the Central Andes; A. Rodrigo Iriarte I, Shanaka L. de Silva, Axel K. Schmitt, Néstor Jiménez Ch;Journal of Volcanology and Geothermal Research, https://doi.org/10.1016/j.jvolgeores.2023.107988
Precambria research	2023	IMS 1280-HR	Petrogenesis of 2.7–2.65 Ga TTGs in the Wutai Complex: Constraints on the Neoarchean crustal evolution of the North China Craton ; Mengxia Mao, Peng Liou, Lilin Du, Jinghui Guo;Precambrian research, https://doi.org/10.1016/j.precamres.2023.107245
Precambria research	2023	IMS 1280-HR	Neoproterozoic Buchan-type metamorphism of the northwestern margin of the Yangtze Craton and tectonothermal implications; Guo-Dong Wang, Zhen M.G. Li, Qian W.L. Zhang, Juan Wang, Feng-Li Shao;Precambrian research, https://doi.org/10.1016/j.precamres.2023.107275
Lithos	2023	IMS 1300-HR3	Compositional changes with incremental growth of the Quxu granite batholith, southern Tibet: Evidence from geochronology and geochemistry ; Ying-Ze Zhang, Xiao-Lei Wang, Yue Guan, Xiu-Mian Hu, Jun-Yong Li, De-Hong Du, Di Wang;Lithos, https://doi.org/10.1016/j.lithos.2023.107466
Communication and Earth Environment	2023	IMS 1300-HR3	Fertile upper mantle peridotite xenoliths indicate no wholesale destruction of cratonic root in East Asia; Vinod O. Samuel, Sanghoon Kwon, Yirang Jang, Youngwoo Kil, M. Santosh, Chaewon Park, Keewook Yi;Communication and Earth Environment, https://doi.org/10.1038/s43247-023-01170-0
Minerals	2023	IMS 1280-HR	Miocene Volcanism in the Slovenský Raj Mountains: Magmatic, Space, and Time Relationships in the Western Carpathians; Rastislav Demko, Marián Putiš, Qiu-Li Li, David Chew, Lukáš Ackerman and Ondrej Nemec ;Minerals . https://doi.org/10.3390/ min14010009
Lithos	2023	IMS 1300-HR3	Mantle-like to low oxygen isotopes in zircon from the mid-Cretaceous high-silica granites reveal unweathered basement recycling along the present coastal area of SE China; Hang Xu, Xiao-Lei Wang, Yue Guan;Lithos, https://doi.org/10.1016/j.lithos.2023.107465
Meteoritics & Planetary Science	2023	IMS 1280	The first U–Pb age for shocked zircon from the Mien impact structure, Sweden, and implications for metamictization-induced zircon texture formed during impact events; Maria HERRMANN, Gavin G. KENNY, Josefin MARTELL, Martin J. WHITEHOUSE, and Carl ALWMARK;Meteoritics & Planetary Science doi: 10.1111/maps.14116
Journal of petrology	2023	0	Oligocene high-MgO alkali basalts in central Tibet: implications for magma–mush mixing and mantle processes; Yue Qi, Qiang Wang, Gang-Jian Wei, Xiu-Zheng Zhang, Wei Dan, Zong-Yong Yang, Lu-Lu Hao, Wan-Long Hu;Journal of Petrology, egad091, https://doi.org/10.1093/petrology/egad091

Geochemistry, Geophysics, Geosystems	2023	IMS 1280	Water in Omphacite and Garnet From Pristine Xenolithic Eclogite: T-X-fO2 Controls, Retentivity, and Implications for Electrical Conductivity and Deep H2O Recycling; Sonja Aulbach, Roland Stalder, Malcolm Massuyeau, Richard A. Stern, Dmitri A. Ionov, and Andrey V. Korsakov;Geochemistry, Geophysics, Geosystems, 24, e2023GC011170. https://doi.org/10.1029/2023GC011170
?	2023	IMS1270	Plutonic nature of a transcrustal magmatic system: evidence from ultrahigh resolution Sr-disequilibria in plagioclase microantecrysts from the southern Taupo Volcanic Zone, New Zealand; Daniel A. Coulthard Jr., Raimundo Brahm, Charline Lormand, Georg F. Zellmer, Naoya Sakamoto, Yoshiyuki Iizuka, Hisayoshi Yurimoto;
Geochemistry, Geophysics, Geosystems	2023	IMS1280	CO2-Undersaturated Melt Inclusions From the South West Indian Ridge Record Surprisingly Uniform Redox Conditions; Yves Moussallam, Guillaume Georgeais, Estelle F. Rose-Koga, Kenneth T. Koga, Margaret E. Hartley, Bruno Scaillet, Clive Oppenheimer, and Nial Peters;Geochemistry, Geophysics, Geosystems
Geostandards and Geoanalytical Research	2023	0	MGP-1 Plagioclase: A Potential Element and Sr Isotope Reference Material for In Situ Microanalysis; Lihui Jia, Xi Ma, Shitou Wu, Youlian Li, Jiangyan Yuan, Qian Mao, Xiaoguang Li, Yi Chen;Geostandards and Geoanalytical Research, https://doi.org/10.1111/ggr.12542
Surface and Interface analysis	2023	IMS 1280-HR	A new working reference material for cassiterite oxygen isotope microanalysis; Sheng He, Yang Li, Li-Guang Wu, Rui-Ping Liu, Dong-Fa Guo, Zi-Ying Li, Xian-Hua Li;Surface and Interface analysis, https://doi.org/10.1002/sia.7279
Frontiers in Marine Science	2023	IMS 1280	Seasonal SIMS d18O record in Astarte borealis from the Baltic Sea tracks a modern regime shift in the NAO; Hunter P. Hughes, Donna Surge, Ian J. Orland, Michael L. Zettler and David K. Moss;Frontiers in Marine Science, https://doi.org/10.3389/fmars.2023.1293823
Geochimica et Cosmochimica Acta	2023	IMS 1280-HR	Baddeleyite microstructural response to shock metamorphism in three enriched shergottites and implications for U–Pb geochronology; A.I. Sheen, C.D.K. Herd, L.G. Staddon, J.R. Darling, W.H. Schwarz, K.T. Tait;Geochimica et Cosmochimica Acta (2023), doi: https://doi.org/10.1016/j.gca.2023.12.002
European Journal of Mineralogy	2023	0	Electron backscatter diffraction analysis combined with NanoSIMS U–Pb isotope data reveal intra-grain plastic deformation in zircon and its effects on U–Pb age: examples from Himalayan eclogites, Pakistan; Hafiz U. Rehman, Takanori Kagoshima, Naoto Takahata, Yuji Sano, Fabrice Barou, David Mainprice, and Hiroshi Yamamoto;European Journal of Mineralogy, https://doi.org/10.5194/ejm-35-1079-2023
Australian Journal of Earth Sciences	2023	IMS 1280	Shoshonitic pluton and an associated base-metal deposit in the Tarom–Hashtjin metallogenic zone, NW Iran: implication for tectono-magmatic evolution and metallogenic considerations; M. Afshari, Gh. Nabatian, M. Honarmand, M. Ebrahimi & X-H. Li;Australian Journal of Earth Sciences, https://doi.org/10.1080/08120099.2023.2273974
Minerals	2023	IMS 1280-HR	Deeply Derived Magma Controlling the Polymetallic Mineralization at Shuikoushan, South China: Constraints from Mineral U–Pb Dating and Whole-Rock
Ore Geology Reviews	2023	IMS 1280	Spatial–temporal evolution, zircon Hf-O isotope characteristics of Yanshanian magmatism and their control on ore deposits in the southeast coast of China; C. Ke,
Marine and Petroleum Geology	2023	IMS 1270	Diagenetic history of calcite fractures in Vaca Muerta shales (Argentina) inferred from paired Δ47 and fluid inclusion geothermometry; Mangenot, X., Larmier, S.,
Geological Journal	2023	IMS 1280	Continental-scale shearing triggered by Oligocene subduction in Myanmar-Indochina, SE Asia; Ji'en Zhang, Wenjiao Xiao, Bo Zhang, John Wakabayashi, Fulong Cai,
Meteoritics & Planetary Science	2023	IMS 1280	The impact history and prolonged magmatism of the angrite parent body; B. G. RIDER-STOKES, M. ANAND, L. F. WHITE, J. R. DARLING, R. TARTESE, M. J.
Journal of Petrology	2023	IMS 1280	Genesis of carbonatite at Oldoinyo Lengai (Tanzania) from olivine nephelinite: protracted melt evolution and reactive porous flow in deep crustal mushes; Adrien J
Geostandards and Geanalytical Research	2023	IMS 1280-HR	New Insights on Micro-Scale Variations of Geochemical and Oxygen Isotope Compositions in Conodont and Shark Tooth Bioapatite; Zoneibe Luz, Marc Leu, Lukas
Precambrian research	2023	IMS 1280	Late Neoarchean and Paleoproterozoic tectonothermal and metamorphic evolution recorded in high-pressure granulites: Evidence from the Xuanhua Complex,
Ore geology review	2023	IMS 1280-HR	Tracing tungsten-tin mineralization processes with tourmaline geochemistry in the Wangxianling-Hehuaping district, Nanling Range (South China); Nan-Xing Li,
Earth System Science data	2023	IMS 1270 / IMS	A global zircon U–Th–Pb geochronological database; Yujing Wu, Xianjun Fang, and Jianqing Ji;Earth System Science data, https://doi.org/10.5194/essd-15-5171-
Communication Earth and Environment	2023	IMS 1280	Formation of the eclogites of the Atbashi complex, Kyrgyzstan, in a subduction zone mélange diapir; Miao Sang, Zhou Tan, Wenjiao Xiao, Qigui Mao, Hao Wang ,
Science	2023	0	Deconvolving microbial and environmental controls on marine sedimentary pyrite sulfur isotope ratios; R. N. BRYANT, J. L. HOUGHTON, C. JONES, V. PASQUIER, I.
JGR Solid Earth	2023	IMS 1280-HR	Water Content and Hydrogen Isotopes of Olivine-Hosted Melt Inclusions in the Dali Picrites, SW China: Reassessing the Role of Water in the Formation of the
Rapid Communications in Mass Spectrometry	2023	IMS 1280	Comparison of δ13C analyses of individual foraminifer (Orbulina universa) shells by secondary ion mass spectrometry and gas source mass spectrometry; Jody B.
Chemical Geology	2023	IMS 1280-HR	Metasomatized mantle source of nascent oceanic crust in the Guaymas Basin, Gulf of California; Zhen-Min Ge, Xiao-Long Huang, Wei Xie, Tobias W. Hofig, Fan
Geochemica and Cosmochemica Acta	2023	IMS 1270-E7	Deciphering recycling processes during solar system evolution from magnesium-rich relict olivine grains in type II chondrules; Gabriel A. Pinto, Emmanuel Jacquet,
JGR Solid Earth	2023	0	Circum-Cratonic Triassic Syenite Province of North China Craton Reveals Heterogeneous Lithospheric Mantle Related to Dual Subduction; Xu Liu, Peng Peng, Ross
JGR Planets	2023	IMS 1280-HR	Insight Into Geological Evolution of the Mesosiderite Parent Body From Olivine Alteration and Merrillite Pb-Pb Age in Dong Ujimqin Qi; Jingyou Chen, Ying Wang,

Earth and Planetary science letters	2023	IMS 1279	Bimodality in zircon oxygen isotopes and implications for crustal melting on the early Earth ; C.L. Kirkland, T.E. Johnson, J. Gillespie, L. Martin, K. Rankenburg, J.
Geochimica et Cosmochimica Acta	2023	IMS 1280	Low Temperature Alteration of Massive Sulphides Below the Weathering Front; Louisa Stokes, Katy Evans, Christopher Kirkland, Alexander Walker;Geochimica et
Journal of the Geological Society	2023	0	U–PB ages from felsic rocks of the External Ligurian sedimentary mélange (Northern Apennine, Italy): tracing the pre-Jurassic history of the hyperextended Adria
Earth and Planetary Science Letters	2023	IMS 1279	Mechanisms for generating elevated zircon δ18O in Archean crust: Insights from the Saglek-Hebron Complex, Canada; Emily E. Mixon, Ann M. Bauer, Jonathan
Mineral Deposita	2023	IMS 1280	Caught in the moment: interaction of immiscible carbonate and sulfde liquids in mafc silicate magma—insights from the Rudniy intrusion (NW Mongolia);
Lithos	2023	IMS 1280	Subduction of solidifying melt lens beneath ultraslow-spreading ridges revealed by (Grt-)amphibolites and dolerites in the Xiugugabu ophiolitic melange,
Ore Geology Review	2023	IMS 1280-HR	Age of Carlin-type gold mineralization in the Youjiang basin, South China: Constraint from hydrothermal zircon geochronology in the Badu dolerite-hosted gold
Scientific Reports	2023	IMS 1270	Quaternary low temperature serpentinization and carbonation in the New Caledonia ophiolite; Marianna Corre, Fabrice Brunet, Stéphane Schwartz, Cécile
Ore Geology Reviews	2023	IMS 1280	Apatite trace elements and O-Sr isotopes reveal different magmatic sources of Fe-Ti oxide deposits in the eastern Tianshan, NW China; Wanyi Feng, Jiahao
Geochemica and cosmochemica acta	2023	IMS 1280	Questioning the role of methane in the wake of a Snowball Earth: Insights from isotopically anomalous cap dolostone cements with a complex diagenetic history;
Earth and Planetary Science Letters	2023	IMS 1280-HR	Assessment of climate extremes at the regional scale during the last millennium using an annually resolved stalagmite record; Tobias Kluge, Philipp Holz, Thomas
Chemical Geology	2023	IMS 1280-HR	Carbon and oxygen isotope microanalysis of calcite in the Permian Kupferschiefer system, Saale subbasin, eastern Germany; Mohammed S. Mohammedyasin,
Precambrian Research	2023	IMS 1280-HR	Identify vestiges of large igneous provinces in deep time: A 0.9 Ga case from North China (Sino-Korean) craton; Deung-Lyong Cho, Peng Peng, Seung Hwan Lee,
Precambrian Research	2023	IMS 1280-HR	Rodinia to Gondwana evolution record, South Sinai, Egypt: Geological and geochronological constraints; Mohamed Abu Anbar, Tamer S. Abu-Alam, Mohamed F.
Earth-Science Reviews	2023	IMS 1280-HR	Decoding the onset of ca. 3.8 Ga continental nuclei in Anshan, North China: A review integrated with 1:10,000 geological mapping, zircon U–Pb dating, and
Geostandards and Geoanalytical research	2023	IMS 1280-HR	Barite, Anhydrite and Gypsum Reference Materials for In Situ Oxygen and Sulfur Isotope Ratio Measurements; Bin Li, Michael Wiedenbeck, Frédéric Couffignal,
Contributions to Mineralogy and Petrology	2023	IMS 1280	Identifying crustal contributions in the Patagonian Chon Aike Silicic Large Igneous Province; Michelle L. Foley, Benita Putlitz, Lukas P. Baumgartner, Emiliano M.
Lithos	2023	IMS 1280	Subcretion of altered oceanic crust beneath the SW Sao Francisco Craton, Brazil – A stable isotope study on diamonds and their inclusions ; Luísa D.V. Carvalho,
Minerallium deposita	2023	IMS 1280	The multiple sulfur isotope architecture of the Kambalda nickel camp, Western Australia; Sebastian Staude, Laure A.J. Martin, Matvei Aleshin, Marco L. Fiorentini,
Marine Micropaleontology	2023	IMS 1280-HR	Significance of conodont data for explaining geosystem perturbations during the Middle Devonian Kačák Episode; K. Narkiewicz, M. Narkiewicz and A.
Ore geology review	2023	IMS 1280	The ca. 349 Ma metamorphic enrichment of the Tianhu metamorphosed sedimentary Fe deposit in the eastern Tianshan: Evidence from apatite trace elements,
Earth and Planetary Science Letters	2023	IMS 1280-HR	Variations in water saturation states and their impact on eruption size and frequency at the Aso supervolcano, Japan; F. Keller, R.-G. Popa, J. Allaz, T. Bovay, A.-S.
Geobiology	2023	IMS 1290	Distinctive microfossil supports early Paleoproterozoic rise in complex cellular organisation; Erica V. Barlow, Christopher H. House, Ming-Chang Liu, Maxwell T.
Meteoritics & Planetary science	2023	0	Calcium-aluminum-rich inclusion found in the Ivuna CI chondrite: Are CI chondrites a good proxy for the bulk composition of the solar system?; David R. Frank,
Science Advances	2023	IMS 1280	Recurring volcanic winters during the latest Cretaceous: Sulfur and fluorine budgets of Deccan Traps lavas; Sara Callegaro, Don R. Baker, Paul R. Renne, Leone
Precambrian research	2023	IMS 1280-HR	Heavy silicon and oxygen isotope signatures of TTGs formed in distinct tectonic settings; Kai Lei, Qing Zhang, Yu Liu, Kai Lu, Li-Guang Wu, Sheng He, Xian-Hua
Geoscience Frontiers	2023	IMS 1280-HR	Mantle contributions to granitoids associated with Sn mineralization: Geochemical and isotopic evidence from the giant Dachang deposit, South China; Tingyi
Gondwana Research	2023	IMS 1280-HR	Episodic water-fluxed anatexis recorded by migmatites from the Paleozoic Wuyi-Yunkai Orogeny in South China; Er-Kun Xue, Wei Wang, David Chew, Manoj K.
Gondwana Research	2023	IMS 1280	Diachronous slab-driven Early Cretaceous crustal extension and pulsed magmatic response in southeastern China: insight from A-type granite and related rocks;
Chemical Geology	2023	IMS 1280	Variations of Sr–Nd–Hf–O isotopes and redox conditions across a Neoproterozoic arc magmatic belt in the western margin of the Yangtze craton; Junhua Yao, Wei-
Meteoritics and Planetary Science	2023	IMS 1280	Mineralogy, petrology, and oxygen isotopic compositions of chondritic and achondritic lithologies in the anomalous CB carbonaceous chondrites Sierra Gorda 013
Research Square	2023	IMS 1280	The contribution of organic-rich mudstones to the Mesoproterozoic silicon cycle: criticality of microbial life; Claudio Delle Piane, Kitty Milliken, Vincent Crombez,
Geochemistry International	2023	0	Geochemistry of High-Phosphorus Zircon from the Upper Riphean Sandstones of the Southern Timan; Grakova, O.V., Skublov, S.G., Nikulova, N.Y. et
Geostandards ans Geoanalytical research	2023	IMS 1280	RKV01 Rutile – A New Potential Archaean Reference Material for Microbeam U-Pb Dating; Chao Huang, Hao Wang, Jin-Hui Yang, Sandra L. Kamo, Jia-Run Tu, Zhen-
Mineralium Deposita	2023	IMS 1280	Genesis of copper mineralization in the polymetallic tin deposits from the Herberton Mineral Field, Queensland, Australia; Avish Kumar, Ioan Sanislav, Laure
Meteoritics & Planetary Science	2023	IMS 1270	SIMS U-Pb dating of micro-zircons in the lunar meteorites Dhofar 1528 and Dhofar 1627; Bidong ZHANG, Yangting LIN, Jialong HAO, Devin L. SCHRADER,
Gondwana Research	2023	IMS 1280-HR	Modification of Archean lower crust of the North China Craton by magma underplating during the Mesozoic: Evidence from zircon U-Pb-Hf-O isotopes of granulite
Precambrian Research	2023	IMS 1280	Zircon U–Pb ages and geochemistry of deep-seated crustal xenoliths from Yangyuan: Implications for the evolution of lower crust beneath the Trans North China
Scientific Reports	2023	IMS 1300-HR3	In situ δ18O and 87Sr/86Sr proxies in an unconformable clastic unit at the Ordovician–Silurian transition; Chaewon Park, Yungoo Song, Namsoo Kim, Sung Ja
Geochemistry International	2023	?	Geochemistry (TE, REE, Oxygen) of Zircon from Leucogranites of the Belokurikhinsky Massif, Gorny Altai, as Indicator of Formation Conditions; E. V. Levashova, M.
Geochemical Perspectives	2023	IMS 1280	Contrasting oxygen isotopes in garnet from diamondiferous and barren eclogitic parageneses; N. Korolev, M. Kopylova, E. Dubinina, R.A. Stern;Geochemical
Society for Geology Applied to Mineral Deposits	2023	IMS 1280-HR	Pyrite analysis enhanced by dimensionality reduction: investigating texture, trace elements, and sulphur isotope signatures in the Kibali gold district, DRC.; Yann
Bulletin of Volcanology	2023	IMS 1280	U–Pb zircon age and chronology of the Torfufell central volcano: implications for timing of rift relocation in North Iceland; Sigurveig Árnadóttir, Thor Thordarson,
GSA Bulletin	2023	IMS 1280-HR	Petrogenesis of two Cretaceous granitoid episodes in the Luk Ulo region, Central Java, Indonesia, and its implication for the tectonic evolution of the easternmost
Society for Geology Applied to Mineral Deposits	2023	IMS 1280	On the origin of volatile-rich minerals associated with magmatic sulfides; Maria Cherdantseva, Marco Fiorentini, Chris Fisher, Laure Martin, Matvei Aleshin;Society
Chemical Geology	2023	IMS 1280-HR	Nanoscale evidence of zircon-coffinite-xenotime solid solution observed by atom probe tomography; Wen-Hao Zhao, Bi-Wen Wang, Li-Xin Gu, Xu Tang, Yu Liu,
Chemical Geology	2023	IMS 1280	Natural hydrogen in low temperature geofluids in a Precambrian granite, South Australia. Implications for hydrogen generation and movement in the upper crust;

Geological Society of America	2023	IMS 1280-HR	Continuous crustal thinning of the North China Craton in the Early Cretaceous: Evidence from A-type granites; Ao Li; Wu-Bin Yang; He-Cai Niu; Ling-Jun Zeng; Ning-
Tectonics	2023	0	The Joining of North and South China During the Permian: Coherent Metamorphic Evidence From East Asia Orogenesis; L. Zhao, H. Tang, R. N. Mitchell, Q. L. Li, X.
Geological Society	2023	IMS 1280-HR	Zircon trace-element and isotopes (U-Pb, Lu-Hf, δ18O) response to fluid-deficient metamorphism of a subducted continental terrane (North Muya, Eastern
Geochemistry International	2023	IMS 1280	Principal Studies of the First Solid Material Formed in the Early Solar System: A Review; M. A. Ivanova;https://doi.org/10.1134/S0016702923080037
Mineralium Deposita	2023	0	Hydrothermal apatite as a robust U–Th–Pb chronometer for the Carlin-type gold deposits in the Youjiang basin, SW China; Wei Gao, Ruizhong Hu, Yong Huang,
Geochimica et Cosmochimica Acta	2023	IMS 1280-HR	The youngest lunar zircon reveals an extremely fractionated nature of Chang'e-5 basalt; Qin Zhou, Yu Liu, Saihong Yang, Qiu-Li Li, Yi Chen, Guangliang Zhang,
Contributions to Mineralogy and Petrology	2023	IMS 1270	Apatite evidence for a fluid-saturated, crystal-rich magma reservoir forming the Quellaveco porphyry copper deposit (Southern Peru); Chetan L. Nathwani, Simon
Earth andPlanetaryScienceLetters	2023	IMS 1280	Sulfate recycling at subduction zones indicated by sulfur isotope systematics of Mesozoic ultramafic island arc cumulates in the North American Cordillera; Dejan
Geological Society of America Bulletin	2023	IMS 1280	Development of a back-arc basin from initial rifting to seafloor spreading: Constraints from Paleozoic basic rocks in the North Qinling accretionary orogen, central
Geophysical Research Letters	2023	IMS 1280	Decoupled Zircon Si–O Isotopes Tracing the Supracrustal Silicification and Komatiitic-Derived Fluids in the Source of TTGs; Kai Lei, Hao Wang, Xiaolei Wang, Qing
Earth and Planetary Science letters	2023	IMS 1280	Response of Sm–Nd isotope systematics to complex thermal histories: A case study from 3.58 Ga gneisses of the Pilbara Craton; Andreas Petersson, Anthony I.S.
Geological society of America	2023	IMS 1280	Large Si isotope fractionation reveals formation mechanism of quartz in silicon-poor carbonatite; Yong-Shu Huang, Qi Liu, Fei-Xiang Liu, Xiao-Chun Li, Yu Liu, Guo-
Chemical Geology	2023	IMS 1280-HR	Magmatic fluids responsible for lode gold mineralization in the giant Linglong deposit at Jiaodong, North China Craton: Constraints from Li-O isotopes; Shao-Rui
Mineralium Deposita	2023	0	Hydrothermal apatite as a robust U–Th–Pb chronometer for the Carlin-type gold deposits in the Youjiang basin, SW China; Wei Gao, Ruizhong Hu, Yong Huang,
PhD Thesis	2023	IMS 1280	Single cell carbon and nitrogen dynamics in chain forming diatoms, including their resting stage; Rickard Stenow;
Geochimica et Cosmochimica Acta	2023	IMS 1280	Sulfur and chlorine in nakhlite clinopyroxenes: Source region concentrations and magmatic evolution; Don R. Baker, Sara Callegaro, Andrea Marzoli, Angelo De
Journal of Volcanology and Geothermal Research	2023	IMS 1280-HR	Revisiting the occurrence and distribution of Indian Ocean Tephra: Quaternary marine Toba ash inventory; S. Kutterolf, J.C. Schindlbeck-Belo, F. Müller, K. Pank, H.-
Geochimica et Cosmochimica Acta	2023	IMS 1280-HR	Diffusion Timescale Conundrum in Contact Metamorphism: Oxygen Isotope and Trace Element Profiles in Dolomite; Florence Bégué, Lukas P. Baumgartner, Anne-
Geostandards and Geoanalytical Research	2023	IMS 1280-HR	Working title: Zircon megacrysts from Kawisigamuwa carbonatite, Sri Lanka – a potential reference material for in-situ U-Pb and Hf isotope analysis; Daniela
Fisheries Management and Ecology	2023	IMS 1280-HR	Corroborating otolith age using oxygen isotopes and comparing outcomes to scale age: Consequences for estimation of growth and reference points in northern
Geochimica et Cosmochimica Acta	2023	IMS 1280	Deciphering the origin(s) of H and Cl in Apollo 15 quartz monzodiorites: evidence for multiple processes and reservoirs; Thomas J. Barrett, Katharine L. Robinson,
Geosphere	2023	IMS 1280	Andean-type, bivergent crustal shortening in the Rinkian orogen: New constraints on the tectonic evolution of Laurentia–West Greenland in the Paleoproterozoic;
Contributions to Mineralogy and Petrology	2023	IMS 1280	Generation of ultraslow-spreading oceanic crust traced by various mafic blocks from ophiolitic mélange in the Xigaze Ophiolites, southern Tibet; Chang Zhang,
GSA Bulletin	2023	0	Two episodes of late Mesoproterozoic magmatism in the southwestern Yangtze Block, China, and their association with Grenville-aged orogenic cycles; Yan-Jun
Mineralium Deposita	2023	IMS 1280-HR	Characterizing the supra- and subsolidus processes that generated the Current PGE–Cu–Ni deposit, Thunder Bay North Intrusive Complex, Canada: insights from
GSA Bulletin	2023	0	Iron, boron, and sulfur isotope constraints on the ore-forming process of subseafloor replacement-style volcanogenic massive sulfide systems; Bing Xiao; Huayong
Geochemistry, Geophysics, Geosystems	2023	IMS 1280-HR	Advances in New Zealand's Tephrochronostratigraphy Using Marine Drill Sites: The Neogene; K. Pank, S. Kutterolf, J. L. Hopkins, K.-L. Wang, H.-Y. Lee, and A. K.
Journal of Volcanology and Geothermal Research	2023	IMS 1280-HR	The cenozoic marine tephra record in Indian Ocean deep drill sites; S. Kutterolf, J.C. Schindlbeck-Belo, K. Pank, A.K. Schmitt, H.-Y. Lee, K.-L.
Precambrian Research	2023	IMS 1280-HR	Hydrothermal circulation at 1.8 Ga in the Kiruna area, northern Sweden, as revealed by apatite geochemical systematics; Shengchao Yan, Bo Wan, Ulf B.
Contributions to Mineralogy and Petrology	2023	IMS 1270	Apatite evidence for a fluid-saturated, crystal-rich magma reservoir forming the Quellaveco porphyry copper deposit (Southern Peru); Chetan L. Nathwani, Simon
Precambrian Research	2023	IMS 1300-HR3	From arc accretion to within-plate extension: Geochronology and geochemistry of the Neoproterozoic magmatism on the northern margin of the Yangtze Block;
Journal of Mineralogical and Petrological Sciences	2023	IMS 1270-E7	The record of geological processes in zircon from polymetamorphosed orthogneisses from the Napier Mountains, Napier Complex, East Antarctica; Piotr Król,
Precambrian Research	2023	IMS 1280	Expanding Azania at the heart of Gondwana: Terrane correlation from Southern India to Sri Lanka; Lei Zhao, Prasanna Lakshitha Dharmapriya, Yan-Bin Zhang,
Geostandards and Geoanalytical Research	2023	0	Spatially Resolved Characterisation of Low Mass Fraction Uranium Glass Working Reference Materials; David Willingham, Josh Wimpenny, Evan Groopman, Todd
Precambrian Research	2023	IMS 1280	Age constraints on c. 1.9 Ga volcanism, basin evolution and mineralization at the world-class Zinkgruvan Zn-Pb-Ag(-Cu) deposit, Bergslagen, Sweden; Nils F.
Precambrian Research	2023	IMS 1280	Evidence of crustal growth during the Svecofennian orogeny: New isotopic data from the central parts of the Paleoproterozoic Central Finland Granitoid Complex;
Ore Geology Reviews	2023	IMS 1300-HR3	A metasedimentary origin for gold deposits in the Dian-Qian-Gui "Golden Triangle" of Southwest China; Rucao Li, Qinping Tan, Xiao-Lei Wang, Xiaoming Sun, Tao
Geochimica et Cosmochimica Acta	2023	IMS1270-E7 /	Multistage hydration during oceanic serpentinisation revealed by in situ oxygen isotope and trace element analyses; Coralie Vesin, Daniela Rubatto, Thomas
Geochimica et Cosmochimica Acta	2023	IMS 1280	Geochemical and mineralogical proxies beyond temperature: autumn seasons trapped in freshwater nacre; Gabriela A. Farfan, Emma S. Bullock, Chunhui Zhou,
Mineralogical Magazine	2023	IMS 1270	Groundwater rock interactions in crystalline rocks: evidence from SIMS oxygen isotope data; Bruce W.D. Yardley, Antoni E. Milodowski, Lorraine P. Field, Roy A.
Science Advances	2023	IMS 1280-HR	No evidence of supracrustal recycling in Si-O isotopes of Earth's oldest rocks 4 Ga ago; Qing Zhang, Lei Zhao, Dawn Zhou, Allen P. Nutman, Ross N. Mitchell, Yu Liu,
Geological Journal	2023	IMS 1280-HR	Karst architecture characterization of deep carbonate reservoir using image logs in Tarim Basin, West China; Liu Yang, Zhong Li, Mei Zhang, Jingbo Yu, Jiaqing
Crystals	2023	IMS 1280-HR	New Olivine Reference Materials for Secondary Ion Mass Spectrometry Oxygen Isotope Measurements; Bijie Peng, Mingyue He, Mei Yang, Yujia
GSA Bulletin	2023	IMS 1280-HR	Determining the impact of magma water contents on porphyry Cu fertility: Constraints from hydrous and nominally anhydrous mineral analyses; Wenting Huang;
Nature	2023	IMS 1280 & IMS	Age of the magma chamber and its physicochemical state under Elbrus Greater Caucasus, Russia using zircon petrochronology and modeling insights; I. N.
Geoscience Frontiers	2023	IMS 1280-HR	Fluid effect on zircon O and U-Pb isotopes during ultrahigh-pressure metamorphism: Insights from the Dora-Maira Massif of the Western Alps; Kun Zhou a, Yi-
AAPG Bulletin	2023	0	Fluid evolution in deeply buried and karstified carbonate reservoirs of the central Tarim Basin, northwestern China ; Jiaqing Liu; Zhong Li; Malcolm W. Wallace;

Journal of Geochemical Exploration	2023	IMS 1280-HR	Apatite age and composition: A key to the geological history of the Malmberget Iron-Oxide-Apatite (IOA) deposit and the region; Shengchao Yan, Bo Wan, Ulf B.
Communications Earth & Environment	2023	IMS 1280-HR	Seawater sulphate heritage governed early Late Miocene methane consumption in the long-lived Lake Pannon; Zhiyong Lin, Harald Strauss, Jörn Peckmann,
Lithos	2023	IMS 1280	Reconstructing the evolution of an ancient continental arc: Implications from the temporally-spatially related shoshonitic to calc-alkaline intrusive magmatism in
Geological Journal	2023	0	New evidence for crustal reworking and juvenile arc-magmatism during the Palaeoproterozoic Eburnean events in the Suhum Basin, South-east Ghana; Prince
EPSL	2023	IMS 1280-HR	Temporal framework for the Yanliao Biota and timing of the origin of crown mammals; Zhiqiang Yu, Haibing Wang, Chi Zhang, Liping Dong, Magdalena H.
GCA	2023	IMS 1270 E7	Geochemical characterization of scoriaceous and unmelted micrometeorites from the Sør Rondane Mountains, East Antarctica: links to chondritic parent bodies
Gondwana research	2023	IMS 1290	U-Pb in-situ SIMS baddeleyite and zircon dates and thermodynamic modeling of the Mangabal Complex: Indications of asthenospheric mantle influence in the
Minerals	2023	IMS 1280-HR	In Situ Trace Element and Fe-O Isotope Studies on Magnetite of the Iron-Oxide Ores from the Takab Region, North Western Iran: Implications for Ore Genesis;
Geological Journal	2023	IMS 1280	Zircon U–Pb ages and Hf–O isotopes of Xiaomasa Miocene granite in the Ximeng area, western Yunnan, southwest China: Constraints on petrogenesis and
Wiley Online Library	2023	IMS 1280-HR	Consistent garnet Lu–Hf and Sm–Nd ages indicate short-lived high-pressure metamorphism and rapid subduction in oceanic subduction belt: an example from the
Ore Geology Reviews	2023	IMS 1280	Apatite U-Pb geochronological and geochemical constraints on the Mazhala Au-Sb deposit in South Tibet, China; Zhongwu Lan, Gangyang Zhang, Rong Cao, Fei Li,
Chemical Geology	2023	IMS 1280	Low-δ18O and negative-Δ199Hg felsic igneous rocks in NE China: Implications for Early Cretaceous orogenic thinning; Changzhou Deng, Anzong Fu, Hongyan
Palaeo	2023	IMS 1280-HR	Pyrite iron isotope compositions track local sedimentation conditions through the Smithian-Spathian transition; Marie-Noëlle Decraene, Johanna Marin-Carbonne,
LITHOS	2023	IMS 1280	The relative roles of ancient and juvenile crust in building accretionary orogens – Minimal ancient crust involved in the magmatic evolution of a North American Cordillera accreted terrane indicated by igneous zircon Hf-O; G. Jones, L. Ootes, Y. Luo, A. Vezinet, R. Stern, D. Milidragovic, D.G. Pearson;LITHOS, https://doi.org/10.1016/j.lithos.2023.107213
Journal Metamorphic Geology	2023	IMS 1280	Garnet growth and mineral geochronology constrains the diachronous Neoproterozoic convergent evolution of the southern Dom Feliciano Belt, Uruguay; Jack James Percival, Jiří Konopásek, Pedro Oyhantçabal, Jiří Sláma, Robert Anczkiewicz;Journal Metamorphic Geology, doi: 10.1002/jmg.12734
Geosphere	2023	IMS 1280-HR	Generating large volumes of crust-derived high δ18O rhyolites in the Chon Aike Silicic Large Igneous Province; Michelle L. Foley, Benita Putlitz, Lukas P. Baumgartner, Florence Bégué, Guillaume Siron, and Andres Kosmal;Geosphere, https://doi.org/10.1130/GES02551.1
Elsevier	2023	IMS 1280-HR	Metasomatic alteration of zircon at lower crustal P-T conditions utilizing alkali- and F-bearing fluids: Trace element incorporation, depletion, and resetting the zircon geochronometer; Daniel E. Harlov, Robert Anczkiewicz, Daniel J. Dunkley;Elsevier, https://doi.org/10.1016/j.gca.2023.05.011
AGU Advancing Earth and Space science	2023	IMS 1280	In Situ Rb/Sr Geochronology and Stable Isotope Geochemistry Evidence for Neoproterozoic and Paleozoic Fracture-Hosted Fluid Flow and Microbial Activity in Paleoproterozoic Basement; Henrik Drake, Mikael Tillberg, Manuel Reinhardt, Martin J. Whitehouse and Ellen Kooijman;AGU, 10.1029/2023GC010892
The Meteoritical Society	2023	0	26Al–26Mg chronology of high-temperature condensate hibonite in a fine-grained, Ca-Al-rich inclusion from reduced CV chondrite; Noriyuki Kawasaki, Daiki Yamamoto, Sohei Wada, Changkun Park, Hwayoung Kim, Naoya Sakamoto, Hisayoshi Yurimoto;The meteoritical Society, https://doi.org/10.1111/maps.13989
Geochimica et Cosmochimica Acta	2023	IMS 1270	Temperature and co-crystallization effects on Zr isotopes; Heather M. Kirkpatrick, T. Mark Harrison, Mauricio Ibañez-Mejia, François L.H. Tissot, Scott A. MacLennan, Elizabeth A. Bell;The meteoritical society, https://doi.org/10.1111/maps.13989
Journal of Petrology	2023	IMS 1280-HR	Partial melting under shallow-crustal conditions: a study of the Pleistocene caldera eruption of Mendeleev volcano, southern Kuril Island Arc; Alexey Kotov, Sergey Smirnov, Ildar Nizametdinov, Masaoki Uno, Noriyoshi Tsuchiya, Ivan Maksimovich;Journal of Petrology, https://doi.org/10.1093/petrology/egad033
Russian Geology and Geophysics	2023	IMS 1280-HR	Carbon Isotope Fractionation during Metal–Carbonate Interaction at the Mantle Pressures and Temperatures; V.N. Reutskya, Yu.M. Borzdova, Yu.V. Batalevaa, Yu.N. Palyanova;Russian Geology and Geophysics, doi:10.2113/RGG20234561
Chemical Geology	2023	IMS 1280	Secondary controls on the stratigraphic signature of the carbon isotope excursion marking the Paleocene-Eocene thermal maximum at Ocean Drilling Program Site 1135; Brittany N. Hupp, D. Clay Kelly, Reinhard Kozdon, Ian J. Orland, John W. Valley ;https://doi.org/10.1016/j.chemgeo.2023.121534
0	0	0	; ;

Contributions to Mineralogy and Petrology	2023	IMS 1280	The nature of the Karoo mantle source region from the perspective of olivine in the Luenha picrites: an oxygen isotopic and chemical study; Kieran A. Iles, Arto V. Luttinen, Christoph Beier, Jussi S. Heinonen, Martin J. Whitehouse, Sanni T. Turunen;https://doi.org/10.1007/s00410-023-02014-y
Ore Geology Reviews	2023	IMS 1280	Magnesium isotope fractionation in differentiation of mafic-alkaline-carbonatitic magma and Fe-P-REE-rich melt at Bayan Obo, China; Kui-Feng Yang, Hong-Rui Fan, Franco Pirajno, Xuan Liu;https://doi.org/10.1016/j.oregeorev.2023.105466
Global and Planetary Change	2023	IMS 1280-HR	A rapid onset of ocean acidification associated with the end-Permian mass extinction; Rucao Li, Nanping Wu, Shu-Zhong Shen, Xiao-Lei Wang, Huayong Chen, Thomas J. Algeo, Hua Zhang, Feifei Zhang;https://doi.org/10.1016/j.gloplacha.2023.104130
Geochemistry	2023	IMS 1280-HR	Tonian-Cryogenian bimodal volcanism and related sulfide ores in the Arabian-Nubian Shield: An example from the Dendekan prospect in the Eastern Desert of Egypt; Yasser Abd El-Rahman, Mohamed Ramzey, Li-Guang Wu, Xian-Hua Li, Moataz El-Shafeiy, Amir Said;https://doi.org/10.1016/j.chemer.2023.125986
Journal of Mineralogical and Petrological Sciences	2023	IMS 1270	Boron isotope compositions of coexisting kornerupine and tourmaline in high-grade metabasic rocks: an example from Akarui Point, Lützow-Holm Complex, East Antarctica; Tetsuo KAWAKAMI , Simon L. HARLEY;https://doi.org/10.2465/jmps.230131b
Ore Geology review	2023	IMS 1280	Formation of the Huayangchuan (Central China) carbonatite-associated REE-Nb-U polymetallic deposit constrained from monazite mineral chemistry and isotope systematics: HREE enrichment in late-stage monazite; Long-Gang Gao, Rui-Zhong Hu, You-Wei Chen, Xian-Wu Bi, Jian-Feng Gao, Shao-Hua Dong, Jin-Cheng Luo;https://doi.org/10.1016/j.oregeorev.2023.105450
Journal of Petrology	2023	IMS 1280-HR	The fundamental role of H2O in the generation of coeval sodic and potassic granitoids at continental arcs: an example from the Yangtze Block, South China; Han Qi, Jun-Hong Zhao, Tim E Johnson;https://doi.org/10.1093/petrology/egad024
GCA	2022	IMS 1280	The Formation of Type B CAIs: Evolution from Type A CAIs; G.J. MacPherson, A.N. Krot, N.T. Kita c, E.S. Bullock, K. Nagashima, T. Ushikubo, M.A. Ivanova;https://doi.org/10.1016/j.gca.2021.12.033
Geochemistry, Geophysics, Geosystems	2021	IMS 1280	Magmatic Processes at Snæfell Volcano, Iceland, Constrained by Zircon Ages, Isotopes, and Trace Elements; Tenley J. Banik, Tamara L. Carley, Matthew A. Coble, John M. Hanchar, Justin P. Dodd, Gabriele M. Casale, Sean P. McGuire;https://doi.org/10.1029/2020GC009255
Global and Planetary Change	2021	IMS 1280	Deposition or diagenesis? Probing the Ediacaran Shuram excursion in South China by SIMS; Huan Cui, Kouki Kitajima, Ian J. Orland, Shuhai Xiao, Jean-Marc Baele, Alan J. Kaufman, Adam Denny, Chuanming Zhou, Michael J. Spicuzza, John H. Fournelle, John W. Valley;
GSA Bulletin	2023	0	Metasediments from the lower crust reveal the history of the Picuris orogeny, southwest USA; Mary F. Ringwood; Roberta L. Rudnick; Andrew R.C. Kylander-Clark;https://doi.org/10.1130/B36836.1
GGR	2020	IMS 1280-HR	Tourmaline Reference Materials for the In Situ Analysis of Oxygen and Lithium Isotope Ratio Compositions; Michael Wiedenbeck, Robert B. Trumbull, Martin Rosner, Adrian Boyce, John H. Fournelle, Ian A. Franchi, Ralf Halama, Chris Harris, Jack H. Lacey, Horst Marschall, Anette Meixner, Andreas Pack, Philip A.E. Pogge von Strandmann, Michael J. Spicuzza, John W. Valley, Franziska D.H. Wilke; https://doi.org/10.1111/ggr.12362
LITHOS	2023	IMS 1280-HR	Petrochronological study of zircons from felsic dikes associated with eclogites in the North Qinling orogen Constraint on rapid exhumation of HP UHP terrane; Yu He, Wen-Xiang Zhang, Yu-Jie Zhao, Pan Hu, Huan Chang and Yuan-Bao Wu;https://doi.org/10.1016/j.lithos.2023.107177
Mineralium Deposita	2023	IMS 1280-HR	Metal budget and origin of aqueous brines depositing deep seated Zn-Pb mineralization linked to hydrocarbon reservoirs, North German Basin; Marta Sośnicka, Volker Lüders, Florian Duschl, Dennis Kraemer, Oscar Laurent, Samuel Niedermann, David A. Banks, Franziska Wilke, Cora Wohlgemuth-Ueberwasser and Michael Wiedenbeck;https://doi.org/10.1007/s00126-023-01173-z
Elsevier	2023	IMS 1280-HR	Magma-mixing origin for the Early Jurassic intrusive rocks in the eastern Songnen–Zhangguangcai Range Massif, NE China Evidence from geochronology, geochemistry and Hf–O–Sr–Nd; Haina Li, Jun Han, Zhonghai Zhao, Zhigang Yin;Elsevier 2023, https://doi.org/10.1016/j.gr.2023.04.002

Elsevier	2023	IMS 1280-HR	Neoproterozoic amphibolite-facies metamorphism of the Douling complex in the northern Yangtze Craton and its tectonic implications Constraints from petrology and zircon U-Pb-Hf-O; Yu He, Yuanbao Wu, Yujie Zhao, Hua Xiang, Zhaochu Hu, Guangyan Zhou;Elsevier 2023, https://doi.org/10.1016/j.precamres.2023.107039
Minerals	2023	IMS 1270	Pseudo-Karst Silicification Related to Late Ni Reworking in New Caledonia; Michel Cathelineau, Marie-Christine Boiron, Jean-Louis Grimaud, Sylvain Favier, Yoram Teitler and Fabrice Golfier;Minerals 2023, 13, 518. https://doi.org/10.3390/min13040518
Elsevier	2023	IMS 1280-HR	New Caledonia; Qiong ChenMei-Fu ZhouXiao-Ping XiaPing-Ping Liu;Elsevier, https://doi.org/10.1016/j.chemgeo.2023.121471
The Astrophysical Journal Letters	2023	0	Hydrogen isotopic composition of hydrous minerals in asteroid Ryugu; Laurette Piani, Kazuhide Nagashima, Noriyuki Kawasaki, Naoya Sakamoto, Ken-ichi Bajo, Yoshinari Abe, Jérôme Aléon, Conel M. O'D. Alexander, Sachiko Amari, Yuri Amelin, Martin Bizzarro, Audrey Bouvier, Richard W. Carlson, Marc Chaussidon, Byeon-Gak Choi, Nicolas Dauphas, Andrew M. Davis, Tommaso Di Rocco, Wataru Fujiya, Ryota Fukai, Ikshu Gautam, Makiko K. Haba, Yuki Hibiya, Hiroshi Hidaka, Hisashi Homma, Peter Hoppe, Gary R. Huss, Kiyohiro Ichida, Tsuyoshi Iizuka, Trevor R. Ireland, Akira Ishikawa, Shoichi Itoh, Noriko T. Kita, Kouki Kitajima, Thorsten Kleine, Shintaro Komatani, Alexander N. Krot, Ming-Chang Liu, Yuki Masuda, Kevin D. McKeegan, Mayu Morita, Kazuko Motomura, Frédéric Moynier, Izumi Nakai, Ann Nguyen, Larry Nittler, Morihiko Onose, Andreas Pack, Changkun Park, Liping Qin, Sara S. Russell, Maria Schönbächler, Lauren Tafla, Haolan Tang, Kentaro Terada, Yasuko Terada, Tomohiro Usui, Sohei Wada, Meenakshi Wadhwa, Richard J. Walker, Katsuyuki Yamashita, Qing-Zhu Yin, Tetsuya Yokoyama, Shigekazu Yoneda, Edward D. Young, Hiroharu Yui, Ai-Cheng Zhang, Tomoki Nakamura, Hiroshi Naraoka, Ryuji Okazaki, Kanako Sakamoto, Hikaru Yabuta, Masanao Abe, Akiko Miyazaki, Aiko Nakato, Masahiro Nishimura, Tatsuaki Okada, Toru Yada, Kasumi Yogata, Satoru Nakazawa, Takanao Saiki, Satoshi Tanaka , Fuyuto Terui, Yuichi Tsuda, Sei-ichiro Watanabe, Makoto Yoshikawa , Shogo Tachibana and Hisayoshi Yurimoto;The Astrophysical Journal Letters, https://doi.org/10.3847/2041-8213/acc393
The Meteoritical Society	2023	IMS 1270	In situ oxygen, magnesium, and silicon isotopic compositions of the FUN inclusion Vigarano 1623-5; Johanna MARIN-CARBONNE, Kevin D. MCKEEGAN, Andrew M. DAVIS, Glenn J. MACPHERSON, Ruslan A. MENDYBAEV and Frank M. RICHTER;The Meteoritical Society, doi: 10.1111/maps.13971
Geochemical Perspectives	2023	IMS 1280-HR	Zircon growth experiments reveal limited equilibrium Zr isotope fractionation in magmas; H.G.D. Tompkins, M. Ibanez-Mejia, F.L.H. Tissot, E. Bloch, Y. Wang, D. Trail;Geochemical Perspectives, https://doi.org/10.7185/geochemlet.2310
Mineralium Deposita	2023	IMS 1280-HR	Sources, transport, and deposition of metal(loid)s recorded by sulfide and rock geochemistry: constraints from a vertical profile through the epithermal Profitis Ilias Au prospect, Milos Island, Greece; Anna Grosche, Reiner Klemd, Katja Denkel, Manuel Keith, Karsten M. Haase, Panagiotis C. Voudouris, Dimitrios Alfieris and Michael Wiedenbeck;Mineralium Deposita, https://doi.org/10.1007/s00126-023-01170-2
Research Square	2023	IMS1280	Probing amagmatic fluids in porphyry deposits via a mono- intrusion system at Tongchang (Dexing, SE China); Xuan Liu, Antonin Richard, Jacques Pironon and Kuifeng Yang;Research Square, https://doi.org/10.21203/rs.3.rs-2726797/v1
Elsevier	2023	IMS 1280-HR	Graphitic Inclusions in Zircon from Early Phanerozoic S-type Granite Implications for the Preservation of Hadean Biosignatures; Manfred Vogt, Winfried H. Schwarz, Axel K. Schmitt, Jan Schmitt, Mario Trieloff, T. Mark Harrison and Elizabeth A. Bell;Elsevier, https://doi.org/10.1016/j.gca.2023.03.022
Elsevier	2023	IMS1280	Ca. 830 Ma alkaline mafic dykes in the southeastern Guizhou Province, South China New constraints on the Neoproterozoic evolution of the Yangtze Block; Hong-Peng Fan, Jia-Xi Zhou, Zhi-Long Huang, Tao Wu and Hao Zhang;Elsevier, https://doi.org/10.1016/j.precamres.2023.107032
Elsevier	2023	IMS1280	The last Neoproterozoic rift magmatism on the western margin of Yangtze block, South China: New insights of Marinoan onset from low-δ18O magmatic events; Chang-Cheng Huang, Hao Zou, Hai-Feng Chen, Franco Pirajno, Zhong-Wu Lan, Hui-Dong Yu, Bin Xiao, Chun-Mei Liu, Jiang-Han Wu, Yi-Jiang Zhong and Ming-Cai HouHoffman&Li, 2009Hoffman et al., 2017Hoffman et al., 2017Lu et al., 2022Hoffman et al.,2017Bao et al. (2018)Cox et al., 2016Hoffman&Schrag, 2002Li&Evans, 2011Lu et al.,2022Lu et al.,2022Macdonald&Wordsworth, 2017Park et al, 2021Coxet al., 2016Macdonald&Wordsworth, 2017;Elsevier, https://doi.org/10.1016/j.precamres.2023.107037
Journal of Analytical Atomic Spectrometry	2023	IMS 1300-HR3	The feasibility of using a pyrite standard to calibrate the sulfur isotope ratio of marcasite during SIMS analysis; Rucao Li, Xiao-Lei Wang, Yue Guan, Jing Guc and Lan-Lan Tian;JAAS, https://doi.org/10.1039/D3JA00009E

PhD Thesis	2023	IMS 1280, 3F	Halogen diffusion in silicic melt and implications for magmatic processes; Yves Feisel;PhD Thesis
Wiley Online Library	2023	0	Characterisation of Three Sri Lankan Zircon Megacrysts as Potential Reference Materials for Microbeam U-Pb Geochronology and Hf-O-Zr Isotope Measurements; Pan Hu, Tao Luo, James Crowley, Yuanbao Wu, Chenxi Zhang, Xiaoping Xia, Tao Long, Shaobing Zhang, Zhian Bao, Lei Xu, Lanping Feng, Wen Zhang, Zhaochu Hu;Wiley 2023, https://doi.org/10.1111/ggr.12495
geosciences	2023	IMS 1280	The Importance of Eurekan Mountains on Cenozoic Sediment Routing on the Western Barents Shelf; Michael J. Flowerdew, Edward J. Fleming, David M. Chew, Andrew C. Morton, Dirk Frei, Aukje Benedictus, Jenny Omma, Teal. R. Riley, Eszter Badenszki and Martin J. Whitehouse;Geosciences 2023, 13(3), 91; https://doi.org/10.3390/geosciences13030091
Lithos	2023	IMS 1280	Tectonic nature, subduction, and closure of the Mudanjiang Ocean: Insights from newly discovered oceanic fragments in the Luobei Heilongjiang Complex; Guan-Ying Yu, Hao Yang, Jia-Hao Jing, Xin Ding, Zheng Ji, Yan-Long Zhang, Yu Dong, Wen-chun Ge;Lithos, https://doi.org/10.1016/j.lithos.2023.107141
Lithos	2023	IMS 1280-HR	Incorporation of hydrogen into zircon through multi-coupling mechanisms and its geochemical implications; Zexian Cui, Xiao-Ping Xia, Christopher J. Spencer, Hejiu Hui, Qing Yang, Wan-Feng Zhang, Le Zhang, Yongjiang Xu, Jian Xu, Chun-Kit Lai, Yanqiang Zhang;Lithos, https://doi.org/10.1016/j.lithos.2023.107127
Nature portfolio	2023	IMS-1280HR	Modern-style plate tectonics preserved in the Paleoproterozoic paired metamorphic belts driven by cold deep subduction; Changqing Yin, Yanfei Xia, Peter Cawood, Guochun Zhao, Wenjiao Xiao;Nature portfolio, https://doi.org/10.21203/rs.3.rs-2594860/v1
Journal of Petrology	2023	0	Origin and Petrogenesis of Magmatism in Collision-Related Environments: Evidence from the Melikler Volcanics on the Kars Plateau-Turkey in the Turkish-Iranian High Plateau; Elif Oyan, Vural Oyan, Yavuz Özdemir, Nilgün Güleç;Journal of Petrology, egad018, https://doi.org/10.1093/petrology/egad018
Lithos	2023	IMS 1280	Pre-eruptive water content and volatile degassing processes in the southern Okinawa Trough magma: Implications for subduction zone water recycling and magmatic contributions to hydrothermal systems; Yuxiang Zhang, Glenn Gaetani, Brian Monteleone, Zhigang Zeng,;LITHOS 107145, https://doi.org/10.1016/j.lithos.2023.107145
The Astrophysical Journal	2023	IMS 1280	Protracted Timescales for Nebular Processing of First-formed Solids in the Solar System; Zuxing Chen, Xuebo Yin, Xiaoyuan Wang, Shuai Chen;APJ, https://doi.org/10.3847/1538-4357/acb156
GSA Bulletin	2023	IMS 1280-HR	High-magnesium igneous associations record final-stage geodynamic process of the southeastern segment of the Central Asian Orogenic Belt; Yan Jing; Wen-chun Ge; Hao Yang; Yu Dong; Zheng Ji; Jun-hui Bi; Hong-ying Zhou; De-he Xing;GSA, https://doi.org/10.1130/B36472.1
GSA Bulletin	2023	IMS 1280-HR	The genesis of ca. 1.78 Ga granitoids in the Xiong'er large igneous province: Implications for continental crust generation; Jian-Feng Ma; Chuan-Hao Qu; Yan-Yan Zhou; Tai-Ping Zhao;GSA, https://doi.org/10.1130/B36694.1
Palaeo	2023	IMS 1280-HR	Pyrite iron isotope compositions track local sedimentation conditions through the Smithian-Spathian transition (Early Triassic, Utah, USA); Marie-Noëlle Decraene, Johanna Marin-Carbonne, Christophe Thomazo, Arnaud Brayard, Anne-Sophie Bouvier, Brahimsamba Bomou, Thierry Adatte, Nicolas Olivier;Palaeo, https://doi.org/10.1016/j.palaeo.2023.111507
Economic Geology	2023	IMS 1280-HR	Tourmaline Breccias from the Río Blanco-Los Bronces Porphyry Copper District, Chile: Constraints on the Fluid Source and the Utility of Tourmaline Composition for Exploration; Michael Hohf, Robert B. Trumbull, Patricio Cuadra, and Marco Solé;Economic Geology, doi:10.5382/econgeo.4991
Chemical Geology	2023	IMS 1280	Temporal geochemical variation in early Paleozoic mafic rocks from the Qinling orogen: Implications for the evolution of slab fluids during oceanic subduction; Hai-Yang Yan, Guo-Chao Sun, Zi-Fu Zhao, Li-Qun Dai, Fei Zheng;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2023.121431
Earth and Planetary Science Letters	2023	IMS 1270	Formation pathways of Precambrian sedimentary pyrite: Insights from in situ Fe isotopes; Juliette Dupeyron, Marie-Noëlle Decraene, Johanna Marin-Carbonne, Vincent Busigny;Earth and Planetary Science Letters, https://doi.org/10.1016/j.epsl.2023.118070
Chemical Geology	2023	IMS 1280-HR	Constraints of combined Sr-Nd-Pb-Hf-O isotopic systematics on the petrogenesis of peralkaline, metaluminous and peraluminous granitoids in the Permian Emeishan large igneous province, SW China; Peng-Fei Lu, Ping-Ping Liu;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2023.121423

Chemical Geology	2023	IMS 1270, IMS 1280-HR	A common magma source for plutonic and volcanic rocks of the Geysers geothermal field, California: Volume and intrusive history derived from zircon; Carlos A. Angeles-De La Torre, Axel K. Schmitt, Oscar M.Lovera, Henja Gassert, Axel Gerdes, Janet C. Harvey;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2023.121414
Journal of Petrology	2023	IMS 1280-HR	Serpentinization and deserpentinization of the mantle wedge at a convergent plate margin: evidence of orogenic peridotites from a composite oceanic-continental subduction zone; Zhuang-Zhuang Yin, Ren-Xu Chen, Yong-Fei Zheng, Bing Gong, Xiang-Ping Zha, Xiaoping Xia;Journal of Petrology, https://doi.org/10.1093/petrology/egad015
Journal of Metamorphic Geology	2023	IMS 1270	A rutile and titanite record of subduction fluids: integrated oxygen isotope and trace element analyses in Franciscan high-pressure rocks; F. Zeb Page, Craig D. Storey;Journal of Metamorphic Geology, https://doi.org/10.1111/jmg.12717
Nature Geoscience	2023	IMS 1280	Decadal warming events extended into central North America during the last glacial period; C. J. Batchelor, S. A. Marcott, I. J. Orland, F. He & R. L. Edwards ;Nature Geoscience
Scientific reports	2023	IMS 1280-HR	Temperature dependence of nitrogen solubility in bridgmanite and evolution of nitrogen storage capacity in the lower mantle; Ko Fukuyama, Hiroyuki Kagi, Toru Inoue, Sho Kakizawa, Toru Shinmei, Yuji Sano, Cécile Deligny & Evelyn Füri;Scientific Reports, https://doi.org/10.1038/s41598-023-30556-5
Gondwana research	2023	IMS 1280-HR	Mantle-derived high-K magmatic fluxes in northeast Iran arc: constraints from zircon U-Pb-O-Hf and bulk rock major-trace elements and Sr-Nd-Pb isotopes; Hadi Shafaii Moghadam, Qiu-Li Li, Xian-Hua Li, Massimo Chiaradia, Orhan Karsli, Kaj A. Hoernle, William L. Griffin;Dgondwana Research, https://doi.org/10.1016/j.gr.2023.02.021
American Mineralogist	2023	IMS 1280-HR	Effects of thermal annealing on water content and δ18O in zircon; Chuan-Mao Yang, Xiao-Ping Xia, Yu-Ya Gao , Xue Wang , Wan-Feng Zhang , Ze-Xian Cui , Ya-Nan Yang , Qing Yang and Yi-Gang Xu;American Mineralogist, https://doi.org/10.2138/am-2022-8444
Nature communications	2023	IMS 1290	Eoarchean and Hadean melts reveal arc-like trace element and isotopic signatures; Wriju Chowdhury, Dustin Trai, Martha Miller & Paul Savage;Nature Communications, https://doi.org/10.1038/s41467-023-36538-5
Palaeogeography, Palaeoclimatology, Palaeoecology	2023	IMS 1280-HR	New U-Pb age from the Shuijingtuo Formation (Yangtze Gorges area) and its implications for the Cambrian timescale; Chuan Yang, Fred T. Bowyer, Daniel J. Condon, Xian-Hua Li, Maoyan Zhu ;Palaeogeography, Palaeoclimatology, Palaeoecology, https://doi.org/10.1016/j.palaeo.2023.111477
Geochemica and Cosmochemica Acta	2023	IMS 1280	Nature of slab-mantle interactions recorded by coupled δ 13C– δ 15N– δ 18O signatures and elemental compositions of Koidu diamonds and their inclusions; Mei Yan Lai, Thomas Stachel, Richard A. Stern, Kan Li, D. Graham Pearson, Jeff W. Harris;Geochemica and Cosmochemica Acta, https://doi.org/10.1016/j.gca.2023.02.016
Geostandards and Geoanalytical Research	2023	IMS 1280	Microscale Simultaneous Measurement of Carbon and Nitrogen Isotopes on Natural Diamond; Akizumi Ishida, Kouki Kitajima, Ko Hashizume, Michael J. Spicuzza, Alexander Zaitsev, Daniel J. Schulze, John W. Valley;Geostandards and Geoanalytical Research, https://doi.org/10.1111/ggr.12485
Geochimica et Cosmochimica Acta	2023	IMS 1280	Interlinked marine cycles of methane, manganese, and sulfate in the post-Marinoan Doushantuo cap dolostone; Chunfang Cai, Dawei Liu, Yongjie Hu, Taiyu
Nature Communications	2023	IMS 1280	Chondrule-like objects and Ca-Al-rich inclu□sions in Ryugu may potentially be the oldest Solar System materials; Daisuke Nakashima, Tomoki Nakamura,
Geochemica and Cosmochemica Acta	2023	IMS 1280	On the significance of oxygen-isotope variations in chondrules from carbonaceous chondrites; Guy Libourel, Kazuhide Nagashima, Marc Portail,Alexander N.
Journal of Asian Earth Sciences	2023	IMS 1280-HR	U–Pb ages, Hf, O isotope systematics of crustal zircons from the Mesoproterozoic kimberlites of the Dharwar craton, India: implications for Neoarchean craton
Earth-Science Reviews	2023	IMS 1280	Rhyacian intermittent large igneous provinces sustained Great Oxidation Event: Evidence from North China craton; Peng Peng, Xu Liu, Lianjun Feng, Xiqiang Zhou,
Geology	2023	IMS 1280-HR	Transient tin mineralization from cooling of magmatic fluids in a long-lived system; Yang Li, Jun-Yi Pan, Li-Guang Wu, Sheng He, Olivier Bachmann and Xian-Hua
BioRxiv	2023	IMS 1280-HR	Corroborating age with oxygen isotope profiles in otoliths: consequences for estimation of growth, productivity and management reference points in northern
Lithos	2023	IMS 1280	Elemental and isotopic (Sr-Nd-O) geochemistry and U-Pb zircon geochronology of late-stage, post-collisional, shallow-level magmatism in the Dom Feliciano Belt
Geochemistry, Geophysics, Geosystems	2023	IMS 1270	In-situ and Triple Oxygen Isotope Characterization of Seafloor Drilled Cherts: Marine Diagenesis and Its Bearing on Seawater Reconstructions; David O. Zakharov,
Lithos	2023	IMS 1280-HR	Two types of slab components under Ecuadorian volcanoes supported by primitive olivine-hosted melt inclusion study; D.F. Narváez, P. Samaniego, K.T. Koga, E.F.
Ore Geology review	2023	IMS 1280	New insights into the genesis of the Sipingshan gold deposit in eastern Heilongjiang, north-eastern China: Evidence from geology, U-Pb and Rb-Sr geochronology,
Geochemica and Cosmochemica Acta	2023	IMS 1280-HR	Origin of nitrogen on Mars: First in situ N isotope analyses of martian meteorites; C. Deligny, E. Füri, E. Deloule, A.H. Peslier, F. Faure, Y. Marrocchi;Geochemica
Journal of Asian Earth Sciences	2023	IMS 1280-HR	Geochronology and geochemistry of Early Cretaceous high-silica granites in the Nan'ao Island, South China: Petrogenesis and implications for lithospheric
Meteoritics & Planetary science	2023	0	Northwest Africa 8418: The first CV4 chondrite; G. J. MacPherson, K. Nagashima, A. N. Krot, S. M. Kuehner, A. J. Irving, K. Ziegler, L. Mallozzi, C. Corrigan, D.
Earth and Planetary Science Letters	2023	IMS 1280-HR	Absence of water content contrast between lithosphere and asthenosphere in subduction zone; Yuto Sato, Eiichi Takahashi, Chang-Ming Xing, Li Li, Ze-Xian Cui,
Lithos	2023	IMS 1279	Mineralogy, geochronology, and geochemistry of the calc-alkaline Um Takha white granite pluton, South Sinai, Egypt; Madiha S.M. Osman, Mokhles K. Azer, Paul

MRS Advances	2023	IMS 1280-HR	Shelf life of uranium oxide microparticle reference materials and possible implications for the identifcation of optimal storage conditions; Simon Hammerich,
PhD Thesis	2023	IMS 1280	Caracterización de los volátiles del volcán Lastarria desde el Pleistoceno a la actualidad, zona volcánica central de los Andes, Chile; MARCELA CONSUELO PIZARRO
Contributions to Mineralogy and Petrology	2023	IMS 1280	Volatile and trace element partitioning between apatite and alkaline melts; Weiran Li, Fidel Costa, Clive Oppenheimer, Kazuhide Nagashima;Contributions to
Nature Astronomy	2023	IMS 1290	Early fluid activity on Ryugu inferred by isotopic analyses of carbonates and magnetite; Kaitlyn A. McCain, Nozomi Matsuda, Ming-Chang Liu, Kevin D. McKeegan,
The Anthropocene Review	2023	IMS 1270	The Ernesto Cave, northern Italy, as a candidate auxiliary reference section for the definition of the Anthropocene series; Andrea Borsato, Ian J Fairchild, Silvia
EarthArXiv	2023	IMS 1280-HR,	Diffusion of halogens (F,Cl, Br, I) in silicic melt; Yves Feisel, Jonathan M. Castro, Christoph Helo, Anne-Sophie Bouvier, Thomas Ludwig, & Donald B.
Icarus	2023	IMS 1270-E7, IMS	A unified chronology of dust formation in the early solar system; Maxime Piralla, Johan Villeneuve, Nicolas Schnuriger, David V.Bekaert, Yves Marrocchi;Icarus,
Review of Scientific Instruments	2023	IMS 1280	Design method and construction of the Schwarzschild microscope with high numerical aperture for secondary ion mass spectrometry; Yi Chen, Ping Chen, Tao
Gondwana Research	2023	IMS 1280-HR	Zircon U–Pb ages, Hf-O isotopes and trace elements of the multi-volcanism in the Ningwu ore district, eastern China: Implications for the magma evolution and
Quaternary Science Review	2023	IMS 1280-HR	Timing and recurrence intervals for voluminous silicic eruptions from Amatitlan caldera (Guatemala); A. Cisneros de Leon, M. Danisík, J.C. Schindlbeck-Belo, S.
Chemical Geology	2023	IMS 1280	Zircon reveals crystal-melt segregation processes in the genesis of Cretaceous A-type granites and related cumulated rocks in southeastern China; Jing-Yuan Chen,
Geochimica et Cosmochemica Acta	2023	IMS 1280	Giant Mesozoic gold ores derived from subducted oceanic slab and overlying sediments; Kun-Feng Qiu, Jun Deng, Crystal Laflamme, Zheng-Yu Long, Ruo-Qi Wan,
Contributions to Mineralogy and Petrology	2023	IMS 1280-HR	Water in zircon: a discriminant between S and I type granitoid; Jing Mo, Xiao Ping Xia, Peng Fei Li, Christopher J. Spencer, Chun Kit Lai, Jian Xu, Qing Yang,
Meteoritics & Planetary Science	2022	IMS 1270-E7	From whom Bells tolls: Reclassifying Bells among CR chondrites and implications for the formation conditions of CR parent bodies; Yves Marrocchi, Emmanuel
Scientific Reports	2023	IMS 1280-HR	The Qixiangzhan eruption, Changbaishan Tianchi volcano, China/DPRK: new age constraints and their implications; Bo Pan, Shanaka L. de Silva, Martin Danišík,
GEOLOGICA CARPATHICA	2023	IMS 1270	Geochronology, geochemistry, and geodynamic evolution of Tatric granites from crystallization to exhumation (Tatra Mountains, Western Carpathians);
Geochemica and Cosmocheica Acta	2023	IMS 1280-HR	Al-Mg and U-Pb chronological records of Erg Chech 002 ungrouped achon-drite meteorite; Philip M. Reger, Yvonne Roebbert, Wladimir Neumann, Abdelmouhcine
Lithos	2023	IMS 1280-HR	Tracking the origin of metasomatic and ore-forming fluids in IOCG deposits through apatite geochemistry (Nautanen North deposit, Norrbotten, Sweden);
Nature Communications	2022	IMS 1280	Greenstone burial–exhumation cycles at the late Archean transition to plate tectonics; Zibra Ivan, Kemp Anthony, Smithies R Hugh, Rubatto Daniela, Korhonen
Ore Geology review	2022	IMS 1280	Geochemistry and Sr–Nd–Hf–O isotopes of ore-bearing plutons from the Yundukala Au–Cu–Co deposit, East Junggar, Xinjiang, Northwest China: Implications for
Journal of Asian Earth Sciences	2023	IMS 1280	Petrogenesis of Jurassic granites linked to crustal growth above the subduction zone in the Lesser Xing'an Range (LXR), NE China; Xian Chen, Rui-Zhong Hu, Liang
Geostandards and Geoanalytical Research	2023	IMS 1280	Apatite Reference Materials for SIMS Microanalysis of Isotopes and Trace Elements; Allen K. Kennedy, Jörn-Frederik Wotzlaw, James L. Crowley, Mark Schmitz,
Chemical Geology	2023	IMS 1280-HR	A microcosm of modern crust formation: Evidence from zircon ages, Hf–O and Nd–Sr isotopes and bulk geochemistry of the Menglian Batholith, SE Tibet; Ren-Zhi
Economic Geology	2022	IMS 1280	Formation of HFSE-rich glimmerites by silicate liquid-liquid immiscibility, Suzhou Pluton, Eastern China; L Xie, R Wang, H Hu, S Erdmann ;Economic Geology
HDR Thesis	2022	IMS 1280-HR	Origine et évolution des éléments volatils accrétés par les corps planétaires du système solaire interne; Evelyn Furi;HDR Thesis
GFF	2022	IMS 1270	Solstad, a Co-Se-bearing copper ore in the Västervik quartzites, Sweden; Kjell Billström, Johan Söderhielm, Curt Broman and Krister Sundblad;GFF,
Geochemistry, Geophysics, Geosystems	2022	IMS 1280-HR	Subduction-legacy and Olivine Monitoring for Mantle-heterogeneities of the Sources of Ultrapotassic Magmas: the Italian case study; Jennifer Günther, Dejan
Gondwana Research	2022	IMS 1280-HR	Ediacaran to Cambrian tectonomagmatic events in the Southern Dom Felicia-no Belt, Uruguay: from a plate margin to an intraplate setting and the assembly of
PNAS	2022	IMS 1280-HR	Chert oxygen isotope ratios are driven by Earth's thermal evolution; M. Tatzel, P. J. Frings, M. Oelze, ..., and M. Wiedenbeck;PNAS,
American Association for the Advancement of Science	2022	IMS 1280-HR	Oxygen isotopes of anhydrous primary minerals show kinship between asteroid Ryugu and comet 81P/Wild2; Noriyuki Kawasaki, Kazuhide Nagashima, Naoya
Chemical Geology	2022	IMS 1280	SIMS relative sensitivity factors for Al/Mg in synthetic and Madagascar hibonite; G.J. MacPherson, J. Beckett, N.T. Kita, K. Nagashima, A.N. Krot, J. Fournelle, L.
International Journal of Earth Sciences	2022	IMS 1280-HR	Albitization and oxidation of Variscan granitoid rocks related to the post Variscan paleosurface in the Sudetes (Bohemian Massif, SW Poland); Médard Thiry,
Minerals	2022	IMS 1270	Genesis and Evolution of Hydrothermal Fluids in the Formation of the High-Grade Hishikari Gold Deposit: Carbon, Oxygen, and Sulfur Isotopic Evidence; Yuichi
JGR Solid Earth	2022	IMS 1280-HR	Discovery of Ultra-depleted Melt Inclusion in Late Cretaceous Intracontinental Basaltic Andesites in South China: Implications for Recycling of Lower Oceanic
Precambrian Research	2022	IMS 1280-HR	Petrogenesis of the ca. 2.32 Ga low-δ18O gabbroic diorites and granites in the Xiaoshan area, southern North China Craton: Implications for the early
Geoscience Frontiers	2022	IMS 1270, IMS 1280-HR, IMS 1290-HR, IMS 1300-HR3	Strategies towards robust interpretations of in situ zircon oxygen isotopes; Janne Liebmann, Christopher L. Kirkland, John B. Cliff, Christopher J.Spencer, Aaron J. Cavosie;Geoscience Frontiers, https://doi.org/10.1016/j.gsf.2022.101523
Chemical Geology	2022	IMS 1280	Mesozoic slab-derived magmas from mid-eastern China: Responses to a ridge-transform fault-ridge subduction system; Hongjie Wu,Sheng-Ao Liu,Yongsheng He,Shuguang Li;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2022.121259
Lithos	2022	IMS 1280	Genesis of the Eocene oxidized potassic felsic volcanic rocks in western Yunnan, China: Insights into mantle redox conditions and post-collisional porphyry Cu–Au formation; Gong Liu, Lei-Luo Xu, Xian-Wu Bi, Jing-Jing Zhu, Zong-Yong Yang, Ming-Liang Huang;Lithos, https://doi.org/10.1016/j.lithos.2022.106983
Geochimica et Cosmochimica Acta	2022	IMS 1290-HR	Lithium and boron isotopic compositions of olivine in chondrules from carbonaceous and ordinary chondrite meteorites: Implications for the origin of solar 11B/10B ratio; Ming-Chang Liu, Marc Chaussidon, Nozomi Matsuda;Geochimica et Cosmochimica Acta, https://doi.org/10.1016/j.gca.2022.12.001

Deep-Sea Research Part I	2022	IMS 1290-HR	Otoliths of marine fishes record evidence of low oxygen, temperature and pH conditions of deep Oxygen Minimum Zones; Cavole, L.M., Limburg, K.E., Gallo, N.D., Vea Salvanes, A.G., Ramírez-Valdez, A., Levin, L.A., Oropeza, O.A., Hertwig, A., Liu, M.-C., McKeegan, K.D., ;Deep-Sea Research Part I (2023), doi: https://doi.org/10.1016/j.dsr.2022.103941.
J. Anal. At. Spectrom.	2022	IMS 1280	LM–19 lawsonite: a potential reference material for in situ oxygen isotope determination in lawsonite by ion microprobe; Aleksey E. Melnik , Qiu-Li Li , Jiao Li , Guo-Qiang Tang , Lian-Jun Feng , Jin-Hua Li , Qian Mao , Benita Putlitz and Xian-Hua Li;J. Anal. At. Spectrom., DOI: 10.1039/D2JA00301E
Earth-Science Reviews	2022	IMS 1280	The Tertiary structuration of the Western Subalpine foreland deciphered by calcite-filled faults and veins; Antonin Bilau, Dorian Bienveignant, Yann Rolland, Stéphane Schwartz, Nicolas Godeau, Abel Guihou, Pierre Deschamps, Xavier Mangenot, Benjamin Brigaud, Louise Boschetti, Thierry Dumont;Earth-Science Reviews (2022), https://doi.org/10.1016/j.earscirev.2022.104270
Chemical Geology	2022	IMS 1280-HR	Mantle contribution to the generation of the giant Jinduicheng porphyry Mo deposit, Central China: New insights from combined in-situ element and isotope compositions of zircon and apatite; Lei-Luo Xu, Xian-Wu Bi, Xing-Chun Zhang, Ming-Liang Huang, Gong Liu;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2022.121238
Contribution to mineralogy and petrology	2022	IMS 1290-HR	Micro-zircon inclusions in accessory minerals reveal more complete magma compositional evolution records; Elizabeth A. Bell & Heather M. Kirkpatrick ;Contribution to mineralogy and petrology, https://doi.org/10.1007/s00410-022-01979-6
Lithos	2022	IMS 1280	Evidence for early Pennsylvanian subduction initiation in the Mongol–Okhotsk Ocean from the Adaatsag ophiolite (Mongolia); Mingshuai Zhu, Daniel Pastor-Galan, Laicheng Miao, Fuqin Zhang, Ariuntsetseg Ganbat, Shun Li, Shunhu Yang, Zeli Wang;Lithos, https://doi.org/10.1016/j.lithos.2022.106951
Chemical Geology	2022	IMS 1280-HR	Zircon texture and composition fingerprint HREE enrichment in muscovite granite bedrock of the Dabu ion-adsorption REE deposit, South China; Heng Wang, Hongping He, Wubin Yang, Zhiwei Bao, Xiaoliang Liang, Jianxi Zhu, Lingya Ma, Yufeng Huang;Chemical geology, https://doi.org/10.1016/j.chemgeo.2022.121231
Meso-Neoproterozoic Geology and Petroleum Resources	2022	IMS 1280	Source Beds and Oil Charging to Alteration Histories of Fossil-Oil-Reservoirs in the Basal Sandstone of Xiamaling Formation, Jibei Depression; Tieguan Wang, Ningning Zhong, Chunjiang Wang, Yixiu Zhu, Yan Liu & Daofu Song ;Meso-Neoproterozoic Geology and Petroleum Resources in China, https://doi.org/10.1007/978-981-19-5666-9_12
Meso-Neoproterozoic Geology and Petroleum Resources	2022	0	Petrogenesis and Emplacement Age of the Gabbro-Diabase Sills Within the Mesoproterozoic Xiamaling Formation in Yanliao Faulted-Depression Zone, North China Craton; Su, L., Wang, T., Li, X., Song, S., Yang, S., Zhang, H. ;Meso-Neoproterozoic Geology and Petroleum Resources in China. https://doi.org/10.1007/978-981-19-5666-9_10
JGR Solid Earth	2022	0	Hydrogen Concentrations and He Isotopes in Olivine From Ultramafic Lamprophyres Provide New Constraints on a Wet Tarim Plume and Earth's Deep Water Cycle; Changhong Wang,Zhaochong Zhang,Andrea Giuliani,Sylvie Demouchy,Catherine Thoraval,Lukáš Krmíček,Hongze Bo,Wanfeng Zhang,Xiaoping Xia;JGR Solid Earth, doi: 10.1029/2022JB024961
Geochemica and Cosmochemica Acta	2022	IMS 1280	Hydrogeochemical and isotopic signatures elucidate deep subsurface hypersaline brine formation through radiolysis driven water-rock interaction; D.M.Nisson, T.L.Kieft, H.Drake, O.Warr, B.Sherwood Lollar, H.Ogasawara, S.M.Perl, B.M.Friefeld, J.Castillo, M.J.Whitehouse, E.Kooijman, T.C.Onstott;Geochemica and cosmochemica acta, https://doi.org/10.1016/j.gca.2022.11.015
PhD Thesis	2022	IMS 1280-HR	Dating Magmatism on Mars: Application of In-Situ and Microsampling Techniques for Shergottite Geochronology; Alex I-Fan Sheen;PhD Thesis
Precambrian Research	2022	IMS 1280	The newly recognized ca. 1.23–1.21 Ga dolerite sills and flood basalts from Fanhe Basin in the northeastern North China Craton: Petrogenesis and tectonic implications; Ling-Hao Kong, Shuan-Hong Zhang, Guo-Hui Hu, Hong-Yu Wang, Yu-Hang Cai, Jun-Ling Pei, Qi-Qi Zhang, Yue Zhao;Precambrian Research, https://doi.org/10.1016/j.precamres.2022.106904
Precambrian Research	2022	IMS 1280-HR	Geochronology and geochemistry of the granitoids in the Diancangshan-Ailaoshan fold belt: Implications on the Neoproterozoic subduction and crustal melting along the southwestern Yangtze Block, South China; Jian Xu, Xiao-Ping Xia, Chang-Qing Yin, Christopher J.Spencer, Chun-Kit Lai, Le Zhang, Ze-Xian Cui;Precambrian Research , https://doi.org/10.1016/j.precamres.2022.106907
Precambrian Research	2022	IMS 1280	Drowned in granite - retrieving the tectono-metamorphic history of the Janub metamorphic complex, the northernmost part of the Arabian-Nubian Shiel; Hind Ghanem, Ghaleb H. Jarrar, Ryan J. McAleer, Cees W. Passchier, Thomas Theye, Martin J. Whitehouse, Robert P. Wintsch;Precambrian Research, https://doi.org/10.1016/j.precamres.2022.106903
Journal of Nuclear Materials	2022	IMS 1300-HR3	Hydrothermal synthesis of homogenous and size-controlled uranium-thorium oxide micro-particles for nuclear safeguards; P.Asplanato, W.Zannouh, A.L.Fauré, P.H.Imbert, J.Lautru, M.Cornaton, N.Dacheux, F.Pointurier, N.Clavier;Journal of Nuclear Materials, https://doi.org/10.1016/j.jnucmat.2022.154142
Economic Geology	2022	IMS 1280	Formation of High Field Strength Element-Rich Glimmerites by Silicate Liquid-Liquid Immiscibility, Suzhou Pluton, Eastern China; Lei Xie; Rucheng Wang; Huan Hu; Saskia Erdmann;Economic Geology, https://doi.org/10.5382/econgeo.4965

Journal of Petrology	2022	IMS 1280	Timing and Petrogenesis of the Permo-Carboniferous Larvik Plutonic Complex, Oslo Rift, Norway: New Insights from U-Pb, Lu-Hf and O Isotopes in Zircon; O. Tapani Rämö, Tom Andersen, and Martin J. Whitehouse ;Journal of Petrology, https://doi.org/10.1093/petrology/egac116
Minerals	2022	IMS 1280-HR	Late Permian High-Ti and Low-Ti Basalts in the Songpan–Ganzi Terrane: Continental Breakup of the Western Margin of the South China Block; Yumeng Shao, Danping Yan, Liang Qiu, Hongxu Mu and Yi Zhang;Minerals, https://doi.org/10.3390/ min12111391
Geological Society	2022	0	Detrital zircon U-Pb age constraints on the Meso-Tethys Ocean closure in Southeast Asia; J Mo, XP Xia, M Zhou, CK Lai, Z Cui, J Xu, F Aidoo ;Geological Society, https://doi.org/10.1144/SP531-2022-133
Gondwana Research	2022	IMS 1280	Temporal and spatial variations of high-resolution strontium, carbon, and oxygen isotopic chemostratigraphy at the end-Permian crisis boundary in South China; Chao Liu, Tanen Jiang, Yong Yang, Jiao Ma;Gondwana Research, https://doi.org/10.1016/j.gr.2022.10.015
Australian Journal of Earth Sciences	2022	IMS 1280	Evolution of diagenetic fluids in the deeply buried, upper Ediacaran Dengying Formation, Central Sichuan Basin, China; YJ Hu, CF Cai, Y Li, R Zhou, YJ Tang, JF Hu, FC Lu & P. Sun;Australian Journal of Earth Sciences, https://doi.org/10.1080/08120099.2023.2126524
Tectonophysics	2022	IMS 1280	Correlation among the Ailaoshan–Song Ma–Song Chay orogenic belts and implications for the evolution of the eastern Paleo-Tethys Ocean; YinWang, Wei Lin,, Michel Faure, Vuong Van Nguyen, Lingtong Meng, YangChu, Wei Wei, Hoai Luong Thi Thu, Claude Lepvrier, Tich Van Vue, Qiuli Li, Hao Wang, Zechao Chen, Lin Wu, Fei Wang;Tectonophysics, https://doi.org/10.1016/j.tecto.2022.229618
Estuarine, Coastal and Shelf Science	2022	IMS 1270	Coupling natural and electronic tags to explore spawning site fidelity and natal homing in northeast Atlantic European seabass; Emilie Le Luherne, Françoise Daverat, Mathieu Woillez, Christophe Pecheyran, Hélène de Pontual;Estuarine, Coastal and Shelf Science, https://doi.org/10.1016/j.ecss.2022.108118
Lithos	2022	IMS 1280	Orogenic eclogites record relative magnitude of deep crustal flow and extent of migmatite-eclogite interaction; Hamelin Clémentine, L. Whitney Donna, Roger Françoise, Teyssier Christian;Lithos, https://doi.org/10.1016/j.lithos.2022.106917
JGR Solid Earth	2022	IMS 1280-HR	Heavy copper isotopes in arc-related lavas from cold subduction zones uncover a sub-arc mantle metasomatized by serpentinite-derived sulfate-rich fluids; Zuxing Chen,Jiubin Chen,Landry Soh Tamehe,Yuxiang Zhang,Zhigang Zeng,Xiaoping Xia,Zexian Cui,Ting Zhang,Kun Guo;JGR Solid Earth, https://doi.org/10.1029/2022JB024910
Earth-Science Reviews	2022	IMS 1280	Authigenic monazite and xenotime Pb-Pb/U-Pb dating of siliciclastic sedimentary rocks; Zhongwu Lan;Earth-Science Reviews, Available online 15 October 2022, 104217
Geoscience Frontiers	2022	IMS 1280 & IMS 1300-HR3	Lithospheric thinning and ignition of a Cordilleran magmatic flare-up: Geochemical and O-Hf isotopic constraints from Cretaceous plutons in southern Korea; Albert Chang-sik Cheong, Min-Ji Jung, Hui Je Jo, Jeongmin Kim, Shinae Lee, Youn-Joong Jeong;Geoscience Frontiers, https://doi.org/10.1016/j.gsf.2022.101492
Geochemical Perspectives Letters	2022	IMS 1280-HR	Early formation of primitive achondrites in an outer region of the protoplanetary disc; N. Ma, W. Neumann, A. Néri, W.H. Schwarz, T. Ludwig, M. Trieloff, H. Klahr, A. Bouvier;Geochemical Perspectives Letters, https://doi.org/10.7185/geochemlet.2234
Basin Research	2022	IMS 1280	A back-arc transtensional origin for the Nanpanjiang basin in the pre-Norian Triassic, with implications for the broader intracontinental development of South China; Liang Duan,Nicholas Christie-Blick,Qing-Ren Meng,Guo-Li Wu,Zhao Yang,Bin Wang;Basin Research, https://doi.org/10.1111/bre.12722
Journal of Analytical Science and Technology	2022	IMS 1300-HR3	COM-1 and Hongcheon: New monazite reference materials for the microspot analysis of oxygen isotopic composition; Jeongmin Kim, Changkun Park, Keewook Yi, Shinae Lee, Sook Ju Kim, Min-Ji Jung & Albert Chang-sik Cheong;Journal of Analytical Science and Technology volume 13, Article number: 34 (2022)
Chemical Geology	2022	IMS 1290	Crystallization order effects on inclusion assemblages in magmatic accessory minerals and implications for the detrital record; Elizabeth A. Bell, Heather M. Kirkpatrick, T. Mark Harrison;Chemical Geology, https://doi.org/10.1016/j.chemgeo.2022.121143
Journal of Metamorphic Geology	2022	IMS 1280-HR	Multi-episodic formation of baddeleyite and zircon in polymetamorphic anorthosite and rutile-bearing ilmenitite from the Chiapas Massif Complex, Mexico; AC de Leon, AK Schmitt, B Weber;Journal of Metamorphic Geology, DOI: 10.1111/jmg.12683
Geological Magazine	2022	0	Crust–mantle interactions in Zijinshan ore field identified by zircon SIMS U–Pb age and zircon Hf–O isotopes; Wen-Hui Zhang, Shuai-Qi Yan and Li-Yuan Wang;Geological Magazine
Gondwana Research	2022	IMS 1280	Newly-recognized Triassic highly fractionated leucogranite in the Koktokay deposit (Altai, China): rare-metal fertility and connection with the No.3 pegmatite; Ping Shen, Hong-Di Pan, Chang-Hao Li, Hao-Xuan Feng, Lan-Fang He Geophysics, Ying-Xiong Bai, Yao-Qing Luo, Qing-Yu Suo, Chong Cao;Gondwana Research, Available online 23 September 2022

Lithos	2022	IMS 1280-HR	Formation of late Miocene silicic volcanic rocks in the central Tibetan Plateau by crustal anatexis of granulites; Quan Ou, Qiang Wang, Derek A.Wyman, Xiu-Zheng Zhang, Lu-Lu Hao, Ji-Peng Zeng, Jin-Hui Yang, Hai-Xiang Zhang, Ming-Cai Hou, Yue Qi, Zhao Liu;Lithos, Available online 21 September 2022, 106882
Earth and Space Science	2022	IMS1280	Subducted front of the Indian continental crust beneath the Tibetan Plateau in the Early Eocene; Xiaoping Long,Chutian Shu,Stephen F. Foley,Xuan-Ce Wang,Jie Li;Earth and Space Science , https://doi.org/10.1029/2022EA002533
85th Annual Meeting of The Meteoritical Society 2022	2022	IMS1280	U–Pb ANALYSES OF NEOBLASTIC AND POROUS MONAZITE REVEAL TARGET ROCK AND IMPACT AGES AT THE HIAWATHA IMPACT STRUCTURE, GREENLAND; W. R. Hyde, N. K. Larsen, G. G. Kenny, M. J. Whitehouse;85th Annual Meeting of The Meteoritical Society 2022 (LPI Contrib. No. 2695)
Economic Geology	2022	0	AN UNUSUAL EARLY EOCENE, SYNCOLLISIONAL CARBONATITE COMPLEX AND RELATED RARE EARTH ELEMENT DEPOSIT IN THE INDIA-ASIA COLLISION ZONE, NORTHWESTERN VIETNAM; Xiao-Chun Li; Mei-Fu Zhou; Shi-Hu Li; Xiao-Ran Zhang; Hong-Rui Fan; David I. Groves; Ngo Xuan Dac;Economic Geology (2022), https://doi.org/10.5382/econgeo.4969
Geoscience Frontiers	2022	IMS 1280	Geochronology and geochemistry of lithium-rich tuffs in the Sichuan basin, Western Yangtze: Implication for the magmatic origin and final closure of eastern Paleo-Tethys; Yuan Peng, Mianping Zheng, Yongsheng Zhang, Enyuan Xing, Baoling Gui, Fanfan Zuo;Geoscience Frontiers https://doi.org/10.1016/j.gsf.2022.101480
Chemical Geology	2022	IMS 1280	Mantle plume-subducted oceanic slab interaction contributes to geochemical heterogeneity of the Emeishan large igneous province; Zhong-Jie Bai, Hong Zhong, Wei-Guang Zhu,Wen-Jun Hu;Chemical Geology, Volume 611, 20 November 2022, 121117
Front. Earth Sci.	2022	IMS 1280	Varying processes, similar results: How composition influences fragmentation and subsequent feeding of large pyroclastic density currents; Olivier Bernard, Caroline Bouvet de Maisonneuve, Laurent Arbaret, Kazuhide Nagashima, Jeffrey Oalmann, Arief Prabowo and Antonius Ratdomopurbo;Front. Earth Sci., https://doi.org/10.3389/feart.2022.979210
Rock and Mineral Analysis	2022	IMS 1280	Effect of Gas Flow Rates in Laser Ablation System on Accuracy and Precision of Zircon U-Pb Dating Analysis by LA-ICP-MS; TAN Xijuan, GUO Chao, FENG Yonggang, ZHOU Yi, LIANG Ting;Rock and Mineral Analysis, 2022, 41(4): 554-563
Nature	2022	IMS 1280-HR	Rapid shifting of a deep magmatic source at Fagradalsfjall volcano, Iceland; Sæmundur A. Halldórsson, Edward W. Marshall, Alberto Caracciolo, Simon Matthews, Enikő Bali, Maja B. Rasmussen, Eemu Ranta, Jóhann Gunnarsson Robin, Guðmundur H. Guðfinnsson, Olgeir Sigmarsson, John Maclennan, Matthew G. Jackson, Martin J. Whitehouse, Heejin Jeon, Quinten H. A. van der Meer, Geoffrey K. Mibei, Maarit H. Kalliokoski, Maria M. Repczynska, Rebekka Hlín Rúnarsdóttir, Gylfi Sigurðsson, Melissa Anne Pfeffer, Samuel W. Scott, Ríkey Kjartansdóttir, Barbara I. Kleine, Clive Oppenheimer, Alessandro Aiuppa, Evgenia Ilyinskaya, Marcello Bitetto, Gaetano Giudice & Andri Stefánsson ;Nature volume 609, pages529–534 (2022)
Geochemistry International	2022	0	Isotopic and Geochemical Features of Zircon from the Pizhemskoye Titanium Deposit (Middle Timan) as a Reflection of Hydrothermal Processes; S. G. Skublov, A. B. Makeyev, A. O. Krasotkina, S. E. Borisovskiy, X.-H. Li & Q.-L. Li ;Geochemistry International volume 60, pages809–829 (2022)
Ore Geology Review	2022	IMS 1280-HR	External fluid incursion during Cu-mineralization stage of Mina Justa iron oxide copper-gold (IOCG) deposit: Evidence from triple sulfur isotope geochemistry of chalcopyrite; Rucao Li, Xiao-Lei Wang;Ore Geology Reviews, Volume 149, October 2022, 105102
Geochimica et Cosmochimica Acta	2022	IMS 1280-HR	Oxygen isotope exchange kinetics between CAI melt and carbon monoxide gas: Implication for CAI formation in the earliest Solar System; Daiki Yamamoto, Noriyuki Kawasaki, Shogo Tachibana, Michiru Kamibayashi, Hisayoshi Yurimoto;Geochimica et Cosmochimica Acta, Volume 336, 1 November 2022, Pages 104-112
Astrobiology	2022	IMS 1280-HR	Nitrogen Incorporation in Potassic and Micro- and Meso-Porous Minerals: Potential Biogeochemical Records and Targets for Mars Sampling; Matthew P. Nikitczuk, Gray E. Bebout, Charles A. Geiger, Tsutomu Ota, Takuya Kunihiro, John F. Mustard, Sæmundur A. Halldorsson, and Eizo Nakamura;ASTROBIOLOGY, Volume 22, Number 11, 2022
Earth and Planetary Science Letters	2022	IMS 1280	Ultrahigh-pressure peridotites record Neoarchean collisional tectonics; Zhenzhu Wu, Chao Wang, Shuguang Song, Mark B.Allen, Timothy Kusky, Li Su;Earth and Planetary Science Letters, Volume 596, 15 October 2022, 117787
Palaeontology	2022	IMS 1280	Gradual warming prior to the end-Permian mass extinction; JANA GLIWA, MICHAEL WIEDENBECK, MARTIN SCHOBBEN, CLEMENZ V. ULLMANN, WOLFGANG KIESSLING, ABBAS GHADERI, ULRICH STRUCK and DIETER KORN;Palaeontology, 2022, e12621
Journal of Analytical Atomic Spectrometry	2022	0	Improved Uranium Particle Analysis by SIMS using O3- Primary Ions; Evan Groopman, Todd Williamson and David Simons ;Journal of Analytical Atomic Spectrometry, DOI : https://doi.org/10.1039/D2JA00231K

Journal of Petrology	2022	IMS 1270-E7	Brown amphibole as tracer of tectono-magmatic evolution of the Atlantis Bank Oceanic Core Complex (IODP Hole U1473A); Carlotta Ferrando, Riccardo Tribuzio, C Johan Lissenberg, Lydéric France, Christopher J MacLeod, Valentin Basch, Johan Villeneuve, Etienne Deloule, Alessio Sanfilippo;Journal of Petrology, egac089, https://doi.org/10.1093/petrology/egac089
Journal of Radioanalytical and Nuclear Chemistry	2022	IMS 1280-HR	Laser ablation inductively coupled plasma mass spectrometry analysis of isotopically heterogeneous uranium materials; Zsolt Varga, Maria Wallenius, Adrian Nicholl, Klaus Mayer;Journal of Radioanalytical and Nuclear Chemistry, https://doi.org/10.1007/s10967-022-08485-w
Annual Meeting of The Meteoritical Society	2022	IMS 1270-E7	16O rich anhydrous silicates in CI Chondrite - implications for the nature and dynamics of dust in the solar accretion disk; Y Marrocchi, GLF Morin, J Villeneuve, E Jacquet ;85th Annual Meeting of The Meteoritical Society 2022 (LPI Contrib. No. 2695)
Geochimica et Cosmochimica Acta	2022	IMS 1270-E7	SO2 solubility and degassing behavior in silicate melts; Julien Boulliung, Bernard J. Wood;Geochimica et Cosmochimica Acta (2022), doi: https://doi.org/10.1016/j.gca.2022.08.032
Journal of Petrology	2022	IMS 1270, IMS 4f	Tracing Volatiles, Halogens, and Chalcophile Metals During Melt Evolution at the Tolbachik Monogenetic Field, Kamchatka; Alexander A Iveson, Madeleine C S Humphreys, Frances E Jenner, Barbara E Kunz, Ivan P Savov, Jan C M De Hoog, Tatiana G Churikova, Boris N Gordeychik, Samantha J Hammond, Pavel Yu Plechov, Jon Blundy, Samuele Agostini;Journal of Petrology, egac087, https://doi.org/10.1093/petrology/egac087
Lithos	2022	IMS 1280	Ancient crust-derived syenitic and A-type granitic intrusions in the Emeishan large igneous province, SW China; Gui-Wen Xu, Wei-Guang Zhu, Lan Chen, Hong Zhong, Yan-Jun Wang, Zhong-Jie Bai, Jun-Hua Yao, Peng-Cheng Hu;Lithos, Available online 24 August 2022, 106844
Contributions to Mineralogy and Petrology	2022	IMS 1280-HR	The solubility of N2 in silicate melts and nitrogen partitioning between upper mantle minerals and basalt; Hans Keppler, Laura Cialdella, Frédéric Coufgnal, Michael Wiedenbeck;Contributions to Mineralogy and Petrology (2022) 177:83, https://doi.org/10.1007/s00410-022-01948-z
BSGF - Earth Sci. Bull.	2022	IMS 1270	Successive phases of serpentinization and carbonation recorded in the Sivas ophiolite (Turkey), from oceanic crust accretion to post-obduction alteration; Dan Lévy, Jean-Paul Callot, Isabelle Moretti, Mathieu Duttine, Brigitte Dubreuil, Philippe de Parseval and Omar Boudouma;BSGF - Earth Sci. Bull. Volume 193, 2022
Marine and Petroleum Geology	2022	IMS 1280	Tectonic-fluid evolution of an ultra-deep carbonate reservoir in the southern Halahatang Oilfield area, Tarim Basin, NW China; Jiaqing Liu, Zhong Li, Xu Wang, Lei Jiang, Yunxian Feng, Malcolm W.Wallace;Marine and Petroleum Geology, Volume 145, November 2022, 105870
Nature	2022	IMS 1280	Giant impacts and the origin and evolution of continents; Tim E. Johnson, Christopher L. Kirkland, Yongjun Lu, R. Hugh Smithies, Michael Brown & Michael I. H. Hartnady ;Nature volume 608, pages330–335 (2022)
PloS one	2022	IMS 1280	Natal origin of Pacific bluefin tuna Thunnus orientalis determined by SIMS oxygen isotope analysis of otoliths; Y Hane, T Ushikubo, Y Yokoyama, Y Miyairi, S Kimura ;PLoS ONE 17(8): e0272850. https://doi.org/10.1371/journal. pone.0272850
Geology	2022	IMS 1280	Preserved intercratonic lithosphere reveals Proterozoic assembly of Australia; Yongjun Lu, Michael T. D. Wingate, Robert H. Smithies, Klaus Gessner, Simon P.
JGR Solid Earth	2022	IMS 1280	Desilicification Rims of Zircon Xenocrysts Record the Timing of Kimberlite Emplacement; Aleksey E. Melnik,Qiu-Li Li,Nester M. Korolev,Jiao Li,Xiao-Xiao Ling,Yu
International Journal of Earth Sciences	2022	IMS 1280	Tectonic framework of Eastern Tianshan in the Early Carboniferous: constraints from alkalic intrusive rocks; YH Liu, CJ Xue, Y Zhao, R Wang, L Yu ;International
Journal of the Geological Society	2022	0	Magma accumulation underneath Laacher See volcano from detrital zircon in modern streams; Fabian H. Schmitt, Axel K. Schmitt, Axel Gerdes, and Janet C.
GSA Bulletin	2022	IMS 1280-HR	The long-lived transcrustal magmatic systems of Southeast China in response to paleo-Pacific plate subduction, recorded by the Cretaceous volcanic sequences in
Atomic Spectroscopy	2022	IMS 1280-HR	Improved Pb-free Sn-Bi Alloy Mounting Technique for Ion Probe U-Pb Analyses of Zircon; Jianglong Ji, Sen Hu, Yu Liu, Guoqiang Tang, Xiaoxiao Ling, Jiao Li, Qiuli
Precambrian Research	2022	IMS 1280	Zircon geochronology and Hf–O isotopes of the Nulliak supracrustal assemblage (Saglek Block–Canada): Constraints on deposition age and setting, metamorphic
Earth and Planetary Science Letters	2022	IMS 1280-HR	Widespread magmatic provinces at the onset of the Sturtian snowball Earth; Kai Lu, Ross N.Mitchell, Chuan Yang, Jiu-Long Zhou, Li-Guang Wu, Xuan-Ce Wang,
Journal of Petrology	2022	0	Thermal storage conditions and origin of compositional diversity of plagioclase crystals in magmas from the 1980 and 2004-2005 eruptions of Mount Saint Helens
Contributions to Mineralogy and Petrology	2022	IMS 1280	Asynchronous infiltration-driven growth of forsterite and periclase during metamorphism in marbles of the inner Alta aureole, Utah: δ18O and textural records of
American Mineralogist	2022	0	Trace element partitioning between olivine and melt in lunar basalts; Sha Chen, Peng Ni, Youxue Zhang and Joel Gagnon;American Mineralogist,
Chemical Geology	2022	0	Titanite as a tracer for Nb mineralization during magmatic and hydrothermal processes: The case of Fangcheng alkaline complex, Central China; Yuxiang Zhu,
Microsc. Microanal	2022	IMS 1280	SIMS Uranium Isotope Analysis of NIST Standard Glasses to Determine Detection Limits; Kimberly Wurth, Travis Tenner, Benjamin Naes, Cyler Conrad;Microsc.
Chemical Geology	2022	IMS 1280	Fluid origin and critical ore-forming processes for the giant gold mineralization in the Jiaodong Peninsula, China: Constraints from in situ elemental and oxygen
Contributions to Mineralogy and Petrology	2022	IMS 1280-HR	Lithium and boron difusivity and isotopic fractionation in hydrated rhyolitic melts; Roberta Spallanzani, Kenneth T. Koga, Sarah B. Cichy, Michael Wiedenbeck,
Earth and Planetary Science Letter	2022	IMS 1280	Helium and oxygen isotopic variations in the Iceland plume source controlled by entrainment of recycled oceanic lithosphere; Maja B.Rasmussen, Sæmundur
Acta Petrologica Sinica	2022	IMS 1280	Identification and new discovery to the Apollo 11 lunar soil using SIMS U-Pb analyses; QL LI, Y LIU, JH LI, Y CHEN, XH LI ;Acta Petrologica Sinica, 38(6): 1804-1810.
Gondwana Research	2022	IMS 1280-HR	Syn-orogenic A-type granites and post-collisional I-type granites in the southern Chinese Altai: Petrogenesis and implications for granite classification; X Cui, M
Geochimica et Cosmochimica Acta	2022	IMS 1280-HR	Heterogeneous nature of the carbonaceous chondrite breccia Aguas Zarcas – cosmochemical characterization and origin of new carbonaceous chondrite
GSA Bulletin	2022	0	A newly defined, long-lived Paleozoic intra-oceanic arc in the South Tianshan (NW China): Implications for multiple accretionary tectonics in the southern Altaids;

Geochimica et Cosmochimica Acta	2022	IMS 1280	The effect of crystal fractionation on the geochemical composition of syn-exhumation magmas: Implication for the formation of high δ56Fe granites in collisional
Metamorphic Geology	2022	0	Multi-episodic formation of baddeleyite and zircon in polymetamorphic anorthosite and rutile-bearing ilmenitite from the Chiapas Massif complex, Mexico;
Contributions to Mineralogy and Petrology	2021	IMS 1280-HR	Persistent gas emission originating from a deep basaltic magma reservoir of an active volcano: the case of Aso volcano, Japan; Masataka Kawaguchi, Toshiaki
Chemical Geology	2022	IMS 1280	SIMS matrix effects in oxygen isotope analysis of olivine and pyroxene: Application to Acfer 094 chondrite chondrules and reconsideration of the primitive
Journal of Petrology	2022	IMS 1280-HR	Sulfur isotope and trace element systematics in arc magmas: seeing through the degassing via a melt inclusion study of Kyushu Island volcanoes, Japan; Masataka
Chemical Geology	2022	IMS1270/IMS127	Persistent mildly supra-chondritic initial Hf in the Lewisian Complex, NW Scotland: Implications for Neoarchean crust-mantle differentiation; Martin J.
Earth and Planetary Science Letters	2022	IMS 1270-E7	Isotopic evidence for two chondrule generations in CR chondrites and their relationships to other carbonaceous chondrites; Yves Marrocchi, Maxime Piralla,
Journal of Asian Earth Sciences	2022	IMS 1280-HR	Tracking the multi-stage metamorphism and exhumation history of felsic gneisses in the South Altyn ultra-high pressure metamorphic belt, Western China;
Journal of Sedimentary Environments	2022	IMS 1280	Origin of the early Ediacaran chert from Infrakrol Formation in Krol Belt, Lesser Himalaya, India; H Joshi, M Mishra, M Tiwari ; India. J. Sediment. Environ. (2022).
Geochimica et Cosmochimica Acta	2022	IMS 1270-E7	16O-rich anhydrous silicates in CI chondrites: Implications for the nature and dynamics of dust in the solar accretion disk; GLF Morin, Y Marrocchi, J Villeneuve, E
Geochimica et Cosmochimica Acta	2022	IMS 1280	Nickel-rich, volatile depleted iron meteorites: Relationships and formation processes; C.M.Corrigan, K.Nagashim, C.Hilton, T.J.McCoy, R.D.Ash, H.A.Tornaben,
AN Krot, K Nagashima, GJ MacPherson, AA Ulyanov	2022	IMS 1280	On the nature of oxygen-isotope heterogeneity of igneous calcium-aluminum-rich inclusions in cv carbonaceous chondrites; AN Krot, K Nagashima, GJ
Precambrian research	2022	IMS 1280	Integrated in situ U-Pb age and Hf-O analyses of zircon from Suixian Group in northern Yangtze: New insights into the Neoproterozoic low-δ18O magmas in the
Advances in Geosciences	2022	IMS 1280-HR	Bulk Geochemistry, Zircon Chronology and Isotope Characteristics of Late Jurassic Granites in Jiaobei Terrane; 屈 鑫, 毛先成, 钟慧婷, 段宇玺;Advances in
International Journal of Earth Sciences	2022	IMS 1280	New CA ID TIMS U–Pb zircon ages for the Altenberg–Teplice Volcanic
Cretaceous Research	2022	0	Temporal constraints on the terrestrial biota from the Yingzuilazi Formation (Baishan Basin), northeast China; Y Wang, Y Zhong ;Cretaceous Research, Available
Chemical Geology	2022	IMS 1280	Variability of sulfur isotopes and trace metals in pyrites from the upper oceanic crust of the South China Sea basin, implications for sulfur and trace metal cycling
JGR Solid Earth	2022	IMS 1280-HR	Diverse P-T-t paths reveal high-grade metamorphosed forearc complexes in NW China; Hao Wang,Wenjiao Xiao,Brian F. Windley,Qian W.L. Zhang,Zhou
PhD Thesis	2022	IMS 1280	EVOLUÇÃO GEOLÓGICA (800–560 Ma) DO SETOR CENTRAL DO CINTURÃO DOM FELICIANO COM BASE NO ESTUDO PETROLÓGICO, GEOCRONOLÓGICO E DE
Earth and Planetary Science Letters	2022	IMS 1280	Mesoarchean diamonds formed in thickened lithosphere, caused by slab-stacking; S.Timmerman, J.R.Reimink, A.Vezinet, F.Nestola, K.Kublik, A.Banas, T.Stachel,
Geochimica et Cosmochimica Acta	2022	0	Testing the global significance of the sulfur isotope record of the ca. 2.0 Ga Zaonega Formation: a micro-scale S isotope investigation; K.Paiste, D.A.Fike,
Precambrian Research	2022	IMS 1270	IN-SIMS zircon U-Pb geochronology from the Snowbird tectonic zone Large igneous Province (STZ LIP), western Churchill Province, Canada; S.P.Regan,
Precambrian Research	2022	IMS 1280	An authigenic response to Ediacaran surface oxidation: Remarkable micron-scale isotopic heterogeneity revealed by SIMS; Huan Cui, Kouki Kitajima, Ian J.Orland,
Chemical Geology	2022	?	Carbon stable isotope constraints on CO2 degassing models of ridge, hotspot and arc magmas; Cyril Aubaud;Chemical Geology, Available online 31 May 2022,
American Mineralogist	2022	IMS 1280	Hydrothermal monazite trumps rutile: Applying U-Pb geochronology to evaluate complex mineralization ages of the Katbasu Au-Cu deposit, Western Tianshan,
Precambrian Research	2022	IMS 1280	A Neoarchean (ca. 2500 Ma) age for jaspilite-carbonate BIF hosting purported micro-fossils from the Eoarchean (≥3750 Ma) Nuvvuagittuq supracrustal belt
Scientfic Instrument News	2022	IMS 1270-E7	The Solar System Explored by Isotope Microscope; Naoya Sakamoto;Scientific Instrument News, 2022, Vol. 18
Nature Geosciences	2022	IMS 1280	High water content of arc magmas recorded in cumulates from subduction zone lower crust; B. M. Urann, V. Le Roux, O. Jagoutz, O. Müntener, M. D. Behn & E. J.
Mineralogy and Petrology	2022	IMS 1280-HR	Geochronology and geochemistry of the felsic-intermediate dikes from Xiangshan uranium ore field, South China: Implications for petrogenesis, tectonic setting
Precambrian Research	2022	IMS 1290HR	A new ca. 1.73 Ga mafic magmatic event in the Indian Shield: Evidence from an in-situ SIMS U-Pb baddeleyite date and geochemistry of the mafic intrusions
Atomic Spectroscopy	2022	IMS 1280	New Quartz and Zircon Si Isotopic Reference Materials for Precise and Accurate SIMS Isotopic Microanalysis; Yu Liu, Xian-Hua Li, Paul S. Savage, Guo-Qiang Tang,
Marine and Petroleum Geology	2022	IMS 1270	Diagenesis and reservoir quality evolution of the Lower Cretaceous turbidite sandstones of the Agat Formation (Norwegian North Sea): Impact of clay grain
Journal of Geophysical research Solid Earth	2022	IMS 1280	Element Partitioning and Li-O Isotope Fractionation Between Silicate Minerals and Crustal-Derived Carbonatites and Their Implications; Ben-Xun Su,Jing
Precambrian Research	2022	IMS 1280	A Neoarchean (ca. 2500 Ma) age for jaspilite-carbonate BIF hosting purported micro-fossils from the Eoarchean (≥3750 Ma) Nuvvuagittuq supracrustal belt
American Chemical Society	2022	IMS 1280	Accurate and Efficient SIMS Oxygen Isotope Analysis of Composition-Variable Minerals: Online Matrix Effect Calibration for Dolomite; Jing-Yao XuJing-Yao Xu, Qiu-
American Mineralogist	2022	IMS 1280	Oxygen isotope heterogeneity of olivine crystals in orogenic peridotites from Songshugou, North Qinling Orogen: Petrogenesis and geodynamic implications; Hong
American Mineralogist	2022	IMS 1280-HR	Interplay between fluid circulation and Alpine metamorphism in the Monte Rosa whiteschist from white mica and quartz in situ oxygen isotope analysis by SIMS;
Chemical Geology	2022	0	Matrix effects and improved calibration procedures for SIMS titanite U–Pb dating; Xiao-Xiao Ling, Qiu-Li Li, Magdalena H. Huyskens, Yu Liu, Qing-Zhu Yin, Guo-
Chemical geology	2022	IMS 1280-HR	Monazite as a control on Th/U in magmatic zircon; Camila Pineda, Axel K.Schmitt, Diego Morata;Chemical Geology, Available online 13 May 2022, 120911
Contributions to Mineralogy and Petrology	2022	IMS 1280	Links between continental subduction and generation of Cenozoic potassic–ultrapotassic rocks revealed by olivine oxygen isotopes: A case study from NW Tibet;
Crystals	2022	IMS 1280	Beryl Reference Materials for In Situ Oxygen Isotope Determination; Ling, X., Li, Q., Feng, L., Zhang, D., Liu, Y., Tang, G., Li, J., Wu, S., Huang, L., Li, T., et al.;Crystals
Journal of Petrology	2022	IMS 1280-HR	Genetic relationship between subduction of slab topographic anomalies and porphyry deposit formation: Insight from the source and evolution of Rio Blanco
Journal of Petrology	2022	0	Identification of UHT granulites in the Pan-African Dahomeyide suture zone in SE Ghana: Implications for evolution of collisional orogens; Felix Aidoo, Qiang-Qiang
Lithos	2022	IMS 1280	Subduction initiation in the Neo-Tethys and formation of the Bursa ophiolite in NW Turkey; GY Xin, Y Chu, BX Su, W Lin, MM Cui, X Liu, I Uysal et al.;Lithos
Lithos	2022	IMS 1280	Temporal variations in the geochemistry of Mesozoic mafic–intermediate volcanic rocks in the northern Great Xing'an Range, Northeast China, and implications
Minerals	2022	IMS 1280-HR	Petrochronological Evidence for a Three-Stage Magmatic Evolution of the Youngest Nepheline Syenites from the Ditrău Alkaline Massif, Romania; Urs Klötzli,
None	2022	IMS 1270-E7	High dynamic range ion imaging using individual pixel reset of SCAPS detector; Naoya Sakamoto;-

PNAS	2022	IMS 1280	Garnet secondary ion mass spectrometry oxygen isotopes reveal crucial roles of pulsed magmatic fluid and its mixing with meteoric water in lode gold genesis;
Precambrian Research	2022	IMS 1280	Correlating metamorphic mineral assemblages with metamorphic ages in rocks recording multiple tectonothermal events: A case study of the Jiaobei terrane,
Precambrian Research	2022	IMS 1280-HR	Origin of the ca. 3.1 Ga Luanjiajie rock assemblage in the northeastern margin of the North China Craton: New constraints on the Mesoarchean geodynamic
Precambrian Research	2022	IMS 1280-HR	Provenance of metasiliciclastic rocks at the northwestern margin of the East Gabonian Block: Implications for deposition of BIFs and crustal evolution in
Journal of Analytical Atomic Spectrometry	2021	IMS 1280-HR	High precision zircon SIMS Zr isotope analysis; Sheng He, Yang Li, Li-Guang Wu, Dong-Fa Guo,Zi-Ying Li and Xian-Hua Li;J. Anal. At. Spectrom., 2021,
Chemical Geology	2021	IMS 1280	Revisiting apatite SIMS oxygen isotope analysis and Qinghu-AP reference material; Yang Li, Guo-Qiang Tang, Yu Liu, Sheng He, Bo Chen, Qiu-Li Li, Xian-Hua
Geology	2021	0	Millennial pulses of ore formation and an extra-high Tibetan Plateau; Yang Li, Mark B. Allen and Xian-Hua Li;Geology, https://doi.org/10.1130/G49911.1
Mineralium Deposita	2021	IMS 1280-HR &	Cassiterite oxygen isotopes in magmatic hydrothermal systems - in situ microanalysis, fractionation factor, and applications; Yang Li, Sheng He, Rong Qing Zhang,
Minerallium Deposita	2021	0	Pulsed exsolution of magmatic ore forming fluids in tin tungsten systems a SIMS cassiterite oxygen isotope record; Yang Li, Rong Qing Zhang, Sheng He, Massimo
Earth and Planetary Science Letters	2021		Origin of hydrogen isotopic variations in chondritic water and organics. Piani L., Marrocchi Y., Vacher L. G., Yurimoto H., Bizzarro M. (2021). Earth. Planet. Sci.
Journal of South American Earth Sciences	2021		The tapes complex (Nico Pérez Terrance, Uruguay): Constraining the Mesoproterozoic evolution of the Río de la Plata Craton. Gaucher C.*, Frei R., Samaniego L.,
American Mineralogist	2021		Nitrogen diffusion in silicate melts under reducing conditions. Boulliung J., Dalou C., Tissandier L., Füri E., Marrocchi Y. (2021). Am. Mineral., 106, 662-666.
Astrobiology	2021		Microbial Sulfur Isotope Fractionation in the Chicxulub Hydrothermal System. Kring, D.A., Whitehouse, M.J., Schmieder, M. (2021). Astrobiology 21, 103-114. 21,
Chemical Geology	2021	IMS 1280	Revisiting apatite SIMS oxygen isotope analysis and Qinghu-AP reference material; Yang Li, Guo-Qiang Tang, Yu Liu, Sheng He, Bo Chen, Qiu-Li Li, Xian-Hua
Chemical Geology	2021		Tracking fluid mixing in epithermal deposits – insights from in-situ δ18O and trace element composition of hydrothermal quartz from the giant Cerro de Pasco
Chemical Geology	2021		Tracing sulfur sources in the crust via SIMS measurement of sulfur isotopes in apatite. Hammerli J., Greber N.D., Martin L., Bouvier A.-S., Kemp A.I.S, Fiorentini
Chemical Geology	2021		Origin of sulphur in relation to silicate-sulphide immiscibility in Tolbachik primitive arc magma (Kamchatka, Russia): Insights from sulphur and boron isotopes.
Chemical Geology	2021		Nitrogen solubility in basaltic silicate melt - Implications for degassing processes. Bernadou F., Gaillard F., Füri E., Marrocchi Y., Slodcyk A. (2021). Chem. Geol.,
Chemical Geology	2021		Erroneous determination of the duration of metamorphism from analysis of overlapping pre-sputtered areas during SIMS U-Pb dating of zircon. Tang Hu, Li Qiuli*,
Chemical Geology	2021		Evaluating the geochemistry and paired silicon and oxygen isotope record of quartz in siliceous rocks from the ~3 Ga Buhwa Greenstone Belt, Zimbabwe, a critical
Chemical Geology	2021		Multiple sulfur isotopes in post-Archean deposits as a potential tracer for fluid mixing processes: An example from an iron oxide–copper–gold (IOCG) deposit in
Chemical Geology	2021		Strontium isotope analysis of apatite via SIMS. Gillespie, J., Nemchin, A. A., Kinny, P. D., Martin, L., Aleshin, M., Roberts, M. P., Ireland, T. R., Whitehouse, M. J.,
Chemical Geology	2021		Tracing sulfur sources in the crust via SIMS measurements of sulfur isotopes in apatite. Hammerli, J., Greber, N. D., Martin, L., Bouvier, A. S., Kemp, A. I. S.,
Chemistry A European Journal	2021		Labeling and probing the silica surface using mechanochemistry and 17O NMR spectroscopy. Chia-Hsin Chen, Frederic Mentink-Vigier, Julien Trébosc, Ieva
Communications Earth & Environment	2021		Biosignatures of ancient microbial life are present across the igneous crust of the Fennoscandian shield. Drake, H., Roberts, N.M.W., Reinhardt, M., Whitehouse,
Communications Earth & Environment	2021		Fossilized anaerobic and possibly methanogenesis-fueling fungi identified deep within the Siljan impact structure, Sweden. Drake, H., Ivarsson, M., Heim, C.,
Communications Earth & Environment	2021		Lunar samples record an impact 4.2 billion years ago that may have formed the Serenitatis Basin. Černok, A., White, L., Anand, M., Tait, K., Darling, J., Whitehouse,
Communications Earth & Environment	2021		The largest plagiogranite on Earth formed by remelting of juvenile proto-continental crust. Hamed Gamal El Dien, Zheng-Xiang Li, Mohamed Abu Anbar, Luc S.
Contributions to Mineralogy and Petrology	2021		Zircon petrochronology in large igneous provinces reveals upper crustal contamination processes: new U-Pb ages, Hf and O isotopes and trace elements from the
Contributions to Mineralogy and Petrology	2021		Two billion years of episodic and simultaneous websteritic and eclogitic diamond formation beneath the Orapa kimberlite cluster, Botswana. M. U. Gress, S.
Contributions to Mineralogy and Petrology	2021		Zircon petrochronology in large igneous provinces reveals upper crustal contamination processes: new U–Pb ages, Hf and O isotopes, and trace elements from the
Contributions to Mineralogy and Petrology	2021		Two billion years of episodic and simultaneous websteritic and eclogitic diamond formation beneath the Orapa kimberlite cluster, Botswana. Gress M. U.,
Earth and Planetary Science Letters	2021		Fluid mixing as primary trigger for cassiterite deposition: Evidence from in situ δ18O-δ11B analysis of tourmaline from the world-class San Rafael tin (-copper)
Earth and Planetary Science Letters	2021		Carbon partitioning between metal and silicate melts during Earth accretion. Fichtner C.E., Schmidt M.W., Liebske C., Bouvier A.-S., Baumgartner L.P. (2021), EPSL
Earth and Planetary Science Letters	2021		Nano-scale investigation of granular neoblastic zircon, Vredefort impact structure, South Africa: Evidence for complete shock melting. Kovaleva, E., Kusiak, M.A.,
Earth and Planetary Science Letters	2021		Origin of hydrogen isotopic variations in chondritic water and organics. Earth and Planetary Science Letters, Volume 567, 1 August 2021, 117008.
Earth and Planetary Science Letters	2021		Stirred not shaken; critical evaluation of a proposed Archean meteorite impact in West Greenland. Yakymchuk, C., Kirkland, C. L., Cavosie, A. J., Szilas, K., Hollis, J.,
Economic Geology	2021		Deformation, Magmatism, and Sulfide Mineralization in the Archean Golden Mile Fault Zone, Kalgoorlie Gold Camp, Western Australia. Jordan A. McDivitt, Steffen
Frontiers in Earth Science	2021		Triple oxygen isotope measurements by multi-collector secondary ion mass spectrometry. Bouden N., Villeneuve J., Marrocchi Y., Deloule E., Füri E., Gurenko A.,
Geochemica and Cosmochemica Acta	2021	IMS 1280-HR2	Intense biogeochemical iron cycling revealed in Neoarchean micropyrites from stromatolites; Marie-Noelle Decraene, Johanna Marin-Carbonne, Christophe
Geochemica and Cosmochemica Acta	2021	IMS 1280-HR3	Origin and timing of volatile delivery (N, H) to the angrite parent body: Constraints from in situ analyses of melt inclusions; C. Deligny, E. Furi, E.
Geochemistry	2021		Ages of lunar impact breccias: Limits for timing of the Imbrium impact. Alexander A. Nemchin, Tao Long, Bradley L. Jolliff, Yusheng Wan, Joshua F. Snape, Ryan
Geochimica et Cosmochimica Acta	2021		Simultaneous determination of mass-dependent Mg isotopic variations and radiogenic 26Mg by laser ablation-MC-ICP-MS and implications for the formation of
Geochimica et Cosmochimica Acta	2021		Coupling sulfur and oxygen isotope ratios in sediment melts across the Archean-Proterozoic transition.Liebmann, J., Spencer, C. J., Kirkland, C. L., Bucholz, C. E.,
Geochimica et Cosmochimica Acta	2021		Heterogeneous martian mantle: Evidence from petrology, mineral chemistry, and in situ U-Pb chronology of the basaltic shergottite Northwest Africa 8653. Wu
Geochimica et Cosmochimica Acta	2021		Multi-stage sulfur and carbon mobility in fossil continental subduction zones: New insights from carbonate-bearing orogenic peridotites. Consuma, G., Aulbach, S.,
Geochimica et Cosmochimica Acta	2021		Radiogenic Pb mobilization induced by shock metamorphism of zircons in the Apollo 72255 Civet Cat norite clast. Zhang B.D.*, Lin Y.T., Moser D.E., Hao J.L., Liu Y.,

Geochimica et Cosmochimica Acta	2021		Sm-Nd isochron ages coupled with C-N isotope data of eclogitic diamonds from Jwaneng, Botswana. M.U. Gress, J.M. Koornneef, E. Thomassot, I.L. Chinn, K. van
Geochronology	2021		Uranium incorporation in fluorite and exploration of U-Pb dating. Lenoir L., Blaise T., Somogyi A., Brigaud B., Barbarand J., Boukari C., Nouet J., Brézard-Oudot A.,
Geological Magazine	2021		Zircon in mantle eclogite xenoliths: a review. Melnik A.E.* Korolev N.M., Skublov S.G., Müller D., Li Q.L., Li X.H., 2021. Geological Magazine, 158 (8), 1371 - 1382.
Geostandards and Geoanalytical Research	2021		A method for SIMS analysis of lithium isotopes in garnet: The utility of glass reference materials. Hoover W., Penniston-Dorland S., Baumgartner L., Bouvier A.-S.,
Geostandards and Geoanalytical Research	2021		A Robust LG-SIMS Method for Sr Isotope Determination in Apatite Across a Wide Sr Concentration Range. Heejin Jeon and Martin J. Whitehouse. Geostandards
Geostandards and Geoanalytical Research	2021		A Robust LG-SIMS Method for Sr Isotope Determination in Apatite Across a Wide Sr Concentration Range. Jeon, H. & Whitehouse, M.J. (2021). Geostandards and
Gondwana Research	2021		Silurian A-type metaquartz-syenite to -granite in the Eastern Anatolia: Implications for Late Ordovician-Silurian rifting at the northern margin of Gondwana.
Gondwana Research	2021		Tracing proto-Rheic - Qaidam Ocean vestiges into the Western Tatra Mountains and implications for the Palaeozoic palaeogeography of Central Europe. Burda, J.,
International Journal of Earth Sciences	2021		Tracing the SW border of the Svecofennian Domain in the Baltic Sea region: evidence from petrology and geochronology from a granodioritic migmatite. Salin, E.,
J. Anal. At. Spectrom	2021	IMS 1280-HR	High precision zircon SIMS Zr isotope analysis; Sheng He, Yang Li, Li-Guang Wu, Dong-Fa Guo, Zi-Ying Lic and Xian-Hua Li;J. Anal. At. Spectrom, DOI:
JASS	2021	IMS 1280-HR	High-precision apatite d37Cl measurement by SIMS with a 1012 Ω amplifier Faraday cup; Zexian Cui, Qing Yang, Xiao-Ping Xia, Rui Wang, Magali Bonifacie et al;J.
Journal of African Earth Sciences	2021		Chronostratigraphic correlation of the volcanic 1.21 Ga Barby and Haiber Flats Formations in the Sinclair Supergroup of Namibia. Harris M., Malobela, T., Mapani,
Journal of Analytical Atomic Spectrometry	2021		238U-206Pb dating of U-series disequilibrium zircons by secondary ion mass spectrometry. Huang Y.S., Li Q.L.*, Liu Y., Liu P.P., Chung S.L., Li X.H., 2021. Journal of
Journal of Analytical Atomic Spectrometry	2021		New potential pyrrhotite and pentlandite reference materials for sulfur and iron isotope microanalysis. Chen L., Liu Y., Li Y., Li Q.L., Li X.H. 2021. Journal of
Journal of Analytical Atomic Spectrometry	2021		SIMS simultaneous measurement of oxygen–hydrogen isotopes and water content for hydrousgeological samples. Qing Yang, Xiao-Ping Xia, Ze-Xian Cui, Wan-
Journal of Asian Earth Sciences	2021		Perovskite U-Pb age and petrogenesis of the P-12 kimberlite from the Eastern Dharwar craton, southern India: Implications for a possible linkage to the 1110 Ma
Journal of Matamorphic Geology	2021		Carboniferous high pressure metamorphism and deformation in the Belledonne Massif (Western Alps). Jacob J.-B., Guillot S., Rubatto D., Janots E., Melleton J.,
Journal of South American Earth Sciences	2021		The tapes complex (Nico Pérez Terrane, Uruguay): Constraining the Mesoproterozoic evolution of the Río de la Plata Craton. Gaucher C.* Frei R., Samaniego L.,
Journal of Stratigraphy	2021		Age of the Huolinhe Formation in the Huolinhe Basin, eastern Inner Mongolia, China: Evidence from U-Pb zircon dating and palynological assemblages. Shi G L, Li J
Lithos	2021		Mesozoic to Paleoproterozoic diamond growth beneath Botswana recorded by Re-Os ages from individual eclogitic and websteritic inclusions. Gress M. U.,
Lithos	2021		Mesozoic to Paleoproterozoic diamond growth beneath Botswana recorded by Re-Os ages from individual eclogitic andwebsteritic inclusions. Michael U. Gress, D.
Lithos	2021		Paleoproterozoic Orosirian tectono-thermal events in the Nangrim Massif, North Korea: Cratonic and supercontinental connection. Zhang X.H.*, Yang Z.L., Zhang
mBio	2021		Single-Cell Measurements of Fixation and Intercellular Exchange of C and N in the Filaments of the Heterocyst-Forming Cyanobacterium Anabaena sp. Strain PCC
Meteoritics & Planetary Science	2021		Origin of isolated olivine grains in carbonaceous chondrites. Jacquet E., Piralla M., Kersaho P., Marrocchi Y. (2021). Meteor. Planet. Sci., 56, 13-33.
Mineralium Deposita	2021	IMS 1280-HR	Cassiterite oxygen isotopes in magmatic hydrothermal systems: in situ microanalysis, fractionation factor, and applications; Yang Li, Sheng He, Rong Qing Zhang,
Mineralium Deposita	2021		Uranium mobility and deposition over 1.3 Ga in the Westmoreland area 'McArthur Basin, Australia). Gigon J., Mercadier J., Annesley I. R., Richard A., Wygralak A.
Mineralium Deposita	2021		Integration of multiple sulfur isotopes with structural analysis unveils the evolution of ore fluids and source of sulfur at the Kanowna Belle Archean orogenic gold
Minerals	2021		25 Ma ruby mineralization in the Mogok Stone Tract, Myanmar: new evidence from SIMS U-Pb dating of Coexisting titanite. Zhang D., Guo S.*, Chen Y., Li Q.L.,
Nature	2021	IMS 1280-HR	Two billion-year-old volcanism on the Moon from Chang'E-5 basalts; Qiu-Li Li, Qin Zhou, Yu Liu, Zhiyong Xiao, Yangting Lin, Jin-Hua Li, Hong-Xia Ma, Guo-Qiang
Nature	2021		Oxygen isotopes trace the origins of Earth's earliest continental crust. Robert H. Smithies, Yongjun Lu, Christopher L. Kirkland, Tim E. Johnson, David R. Mole,
Nature Communications	2021		Experimental evidence for hydrogen incorporation into Earth's core. Shoh Tagawa, Naoya Sakamoto, Kei Hirose, Shunpei Yokoo, John Hernlund, Yasuo Ohishi &
Nature Communications	2021		Rapid endogenic rock recycling in magmatic arcs. Jun-Yong Li, Ming Tang, Cin-Ty A. Lee, Xiao-Lei Wang, Zhi-Dong Gu, Xiao-Ping Xia, Di Wang, De-Hong Du & Lin-
Nature Communications	2021		Sunda arc mantle source δ18O value revealed by intracrystal isotope analysis. Deegan, F.M., Whitehouse, M.J., Troll, V.R., Geiger, H., Jeon, H., leRoux, P., Harris,
Nature Communications	2021		Sunda arc mantle source δ18O value revealed by intracrystal isotope analysis. Frances M. Deegan, Martin J. Whitehouse, Valentin R. Troll, Harri Geiger, Heejin
Ore Geology Reviews	2021	IMS 1280-HR	In situ multiple sulfur isotopes and chemistry of pyrite support a sedimentary source-rock model for the Linwang Carlin-type gold deposit inthe Youjiang basin,
Ore Geology Reviews	2021		Multiple sulfur isotopes constraints on origin and evolution of the Neoarchean and Paleoproterozoic Cu-Au systems from the Carajás Domain, Amazonian Craton,
PLOS ONE	2021		Combining SIMS and mechanistic modelling to reveal nutrient kinetics in an algal-bacterial mutualism. Laeverenz Schlogelhofer, H., Peaudecerf, F.J., Bunbury, F.,
PNAS	2021		A 4565 Myr old andesite from an extinct chondritic protoplanet. Barrat J.-A., Chaussidon M., Yamaguchi A., Beck P., Villeneuve J., Byrne D. J., Broadley M. W.,
PNAS	2021		A 4,565-My-old andesite from an extinct chondritic protoplanet. Jean-Alix Barrat, Marc Chaussidon, Akira Yamaguchi, Pierre Beck, Johan Villeneuve, David J.
PNAS	2021		Characterizing the "fungal shunt": Parasitic fungi on diatoms affect carbon flow and bacterial communities in aquatic microbial food webs. Klawonn, I., Van der
Precambrian Research	2021		The formation of Neoarchean continental crust in the south-east Superior Craton by two distinct geodynamic processes. Mole, D. R., Thurston, P. C., Marsh, J. H.,
Precambrian Research	2021		The oldest part of the Rae craton identified in western Greenland. Thrane, K. (2021) Precambrian Research 357, 106139. DOI:10.1016/j.precamres.2021.106139;
Precambrian Research	2021		The Precambrian of Gotland, a key for understanding the Proterozoic evolution in southern Fennoscandia. Sundblad, K., Salin, E., Claesson, S., Gyllencreutz, R.,
Precambrian Research	2021		Tracing the Sveconorwegian orogen into the Caledonides of West Norway: Geochronological and isotopic studies on magmatism and migmatization. Wang, C.C.,
Rapid Communications in Mass Spectrometry	2021		High spatial resolution and high precision measurements of iron isotopes by SIMS by using the new Hyperion RF Plasma source. Decraene M.-N., Marin-Carbonne
Science Advances	2021		Cellular remains in a ~3.42-billion-year-old subseafloor hydrothermal environment. Cavalazzi B., Lemelle L., Simionovici A., Cady S. L., Russell M. J., Ballo E., Canteri
Scientific Reports	2021		Metamorphic microdiamond formation is controlled by water activity, phase transitions and temperature. Kotková, J., Fedortchouk, Y., Wirth, R., Whitehouse,

Scientific Reports	2021	New identification and significance of Early Cretaceous mafic rocks in the interior South China Block. Hui Min Su, Shao Yong Jiang, Jia Bin Shao, Dong Yang Zhang,
Scientific Reports	2021	Shocked quartz in distal ejecta from the Ries impact event (Germany) found at ~ 180 km distance, near Bernhardzell, eastern Switzerland. Holm-Alwmark, S.,
Terra Nova	2021	Emergence of continents above sea-level influences sediment melt composition. Liebmann, J., Spencer, C. J., Kirkland, C. L., E. Bucholz, C., He, X. F., Santosh, M.,
The Astrophysical Journal Letters	2021	The Tarda meteorite: A window into the formation of D-type asteroids. Marrocchi Y., Avice G., Barrat J.-A. (2021). The Astrophys. J. Lett., 913:L9.
The Depositional Record	2021	The fate of a travertine record: impact of early diagenesis on the Y-10 core (Mammoth Hot Springs, Yellowstone NP, USA). De Boever E., Jaramillo-Vogel D,
The ISME Journal	2021	The rate and fate of N2 and C fixation by marine diatom-diazotroph symbioses. Foster, R.A., Tienken, D., Littmann, S., Whitehouse, M.J., Kuypers, M.M.M., White,
Triple Oxygen Isotope Geochemistry	2021	Temporal triple oxygen isotope trend recorded by Precambrian cherts : combined bulk and in situ secondary ion probe measurements. Zakharov D.O., Marin-
Earth and Planetary Science Letters	2020	Silicon isotopic compositions of chondrule silicates in carbonaceous chondrites and the formation of primordial solids in the accretion disk. Villeneuve J.,
Earth and Planetary Science Letters	2020	Early evolution of the solar accretion disk inferred from Cr-Ti-O isotopes in individual chondrules. Schneider J. M., Burkhardt C., Marrocchi Y., Brennecka G. A.,
Contributions to Mineralogy and Petrology	2020	The petrogenesis of back-arc magmas, constrained by zircon O and Hf isotopes, in the Frontal Cordillera and Precordillera, Argentina. Poole, G.H., Kemp, A.I.S.,
Contributions to Mineralogy and Petrology	2020	Zircon oxygen and hafnium isotope decoupling during regional metamorphism: implications for the generation of low δ18O magmas. Hartnady, M. I. H., Kirkland,
American Mineralogist	2020	Br diffusion in phonolitic melts: Comparison with fluorine and chlorine diffusion. Balcone-Boissard H., Baker D. R., Villemant B., Cauzid J., Boudon G., Deloule E.
American Mineralogist	2020	In-situ measurements of magmatic volatile elements, F, S, and Cl, by electron microprobe, secondary ion mass spectrometry, and heavy ion elastic recoil detection
American Mineralogist	2020	Machiite, Al2Ti3O9, a new oxide mineral from the Murchison carbonaceous chondrite: A new ultra-refractory phase from the solar nebula. Alexander N. Krot,
American Mineralogist	2020	The distribution and abundance of halogens in eclogites: An in situ SIMS perspective of the Raspas Complex (Ecuador). Urann, B.M., LeRoux, V., John, T., Beaudoin,
Antarctic Science	2020	The impact of the Pan-African-aged tectonothermal event on high-grade rocks at Mount Brown, East Antarctica. Liu Xiaochun*, Fu Bin, Li Qiuli, Zhao Yue, Liu Jian,
Atomic Spectroscopy	2020	Bastnaesite K-9: A homogeneous Natural Reference Material for In-situ U-Pb and Th-Pb dating. Li Qiuli*, Huyskens M.H., Yang Yueheng, Ling Xiaoxiao, Yin
Atomic Spectroscopy	2020	Eppawala-AP, Sri Lanka, an Apatite Reference Material for High Precision Chlorine Isotope Analysis. Li Yang*, Li Qiuli, Tang Guoqiang, Gargano A., Sharp Z.,
Atomic Spectroscopy	2020	New Natural and Fused Quartz Reference Materials for Oxygen Isotope Microanalysis. Tang Guoqiang, Liu Yu, Li Qiuli, Feng Lianjun, Wei Gangjian, Su Wen, Li
Australian Journal of Earth Sciences	2020	Porphyry Cu fertility of the Loch Lilly-Kars Belt, Western New South Wales, Australia. B. Baatar, L. A. Parra-Avila, M. L. Fiorentini, P. Polito & A. J. Crawford (2020)
Bulletin of Mineralogy, Petrology and Geochemistry	2020	An introduction to principle of Atom Probe and its applications in Earth Sciences. Wang Biwen, Li Qiuli*, 2020. Bulletin of Mineralogy, Petrology and
Bulletin of the Geological Society of Finland	2020	Age and origin of the Nb-Zr-REE mineralization in the Paleoproterozoic A1-type granitoids at Otanmäki, central Finland. Kärenlampi, K., Kontinen, A., Hanski, E.,
Bulletin of the Geological Survey of Japan	2020	Oxygen isotope analysis of Mesozoic radiolarites using SIMS, Bôle M., Ikeda M., Baumgartner P.O., Hori R., Bouvier A.-S., Kukoc D. (2020) Bulletin of the Geological
Bulletin of the Geological Survey of Japan	2020	SIMS analysis of Si isotope for radiolarian test in Mesozoic bedded chert (Inuyama, Japan). Bôle M., Ikeda M., Baumgartner P.O., Hori R., Bouvier A.-S., Kukoc D.
Chemical Geology	2020	Diagenetic evolution of a sedimentary system (Michigan Basin): Insights from petrography and S-isotope micro-analysis of pyrite. Jautzy JJ, Petts DC, Clark ID, Al
Chemical Geology	2020	Formation of early Archean Granite-Greenstone Terranes from a globally chondritic mantle: Insights from igneous rocks of the Pilbara Craton, Western Australia.
Chemical Geology	2020	Insights into the chemical diversity of the martian mantle from the Pb isotope systematics of shergottite Northwest Africa 8159. Bellucci, J.J., Herd, C.D.K.,
Chemical Geology	2020	Magnesium isotope analysis of olivine and pyroxene by SIMS: Evaluation of matrix effects. Fukuda K, Beard BL, Dunlap DR, Spicuzza MJ, Fournelle JH, Wadhwa M
Chemical Geology	2020	Paired analyses of oxygen isotope and elemental ratios within individual shells of benthic foraminifera genus Uvigerina. Balestra B, Orland IJ, Fessenden-Rahn J,
Chemical Geology	2020	Regionally Correlated Oxygen and Carbon Isotope Zonation in Diagenetic Carbonates of the Bakken Formation. Adam C. Denny, Ian J. Orland, John W. Valley.
Chemical Geology	2020	SIMS oxygen isotopes indicate Phanerozoic fluids permeated a Precambrian gold deposit. Erik L. Haroldson, Philip E. Brown, Akizumi Ishida, John W. Valley,
Chemical Geology	2020	Sulfidization of 3.48 billion-year-old stromatolites of the Dresser Formation, Pilbara Craton: Constraints from in-situ sulfur isotope analysis of pyrite. Baumgartner,
Chemical Geology	2020	Two distinct mantle sources beneath the Garibaldi Volcanic Belt: Insight from olivine-hosted melt inclusions. Venugopal S., Moune S., Williams-Jones G., Druitt T.,
Chemical Geology	2020	Understanding the microscale spatial distribution and mineralogical residency of Re in pyrite: Examples from carbonate-hosted Zn-Pb ores and implications for
Contributions to Mineralogy and Petrology	2020	Crustal reworking and hydration: Insights from element zoning and oxygen isotopes of garnet in high-pressure rocks (Sesia Zone, Western Alps, Italy). Vho A.,
Contributions to Mineralogy and Petrology	2020	Boron isotope record of peak metamorphic ultrahigh-pressure and retrograde fluid–rock interaction in white mica (Lago di Cignana, Western Alps) Ralf Halama,
Contributions to Mineralogy and Petrology	2020	The origin of low-MgO eclogite xenoliths from Obnazhennaya kimberlite, Siberian craton. Jing Sun, Roberta L. Rudnick, Sergey Kostrovitsky, Tatiana Kalashnikova,
Contributions to Mineralogy and Petrology	2020	Unravelling the processes controlling apatite formation in the Phalaborwa Complex (South Africa) based on combined cathodoluminescence, LA-ICPMS and in-situ
Data in Brief	2020	U–Th whole rock data and high spatial resolution U–Th disequilibrium and U–Pb zircon ages of Mt. Erciyes and Mt. Hasan Quaternary stratovolcanic complexes
Diamond and Related Materials	2020	Nitrogen-doped CVD diamond: Nitrogen concentration, color and internal stress. Zaitsev AM, Kazuchits NM, Kazuchits VN, Moe KS, Rusetsky MS, Korolik OV,
Diamond and Related Materials	2020	Spectroscopic features of natural and HPHT-treated yellow diamonds. Lai MY, Breeding C, Stachel T, Stern RA. Diamond and Related Materials, Volume 101,
Doklady Earth Sciences	2020	An Abnormal Isotopic Composition of Oxygen in Zircon from Corundum-Bearing Metasomatites of the Dyadina Gora Ore Occurrence, Belomorian Mobile Belt.
Earth and Planetary Science Letters	2020	Assessing the impact of diagenesis on foraminiferal geochemistry from a low latitude, shallow-water drift deposit. Stainbank S., Spezzaferri S., De Boever E.,
Earth and Planetary Science Letters	2020	The isotopic composition of volatiles in the unique Bench Crater carbonaceous chondrite impactor found in the Apollo 12 regolith. Joy K. H., Tartèse R., Messenger
Earth and Planetary Science Letters	2020	Cosmic ray effects on the isotope composition of hydrogen and noble gases in lunar samples : Insights from Apollo 12018. Füri E., Zimmermann L., Deloule E.,
Earth and Planetary Science Letters	2020	Atmospheric S and lithospheric Pb in sulphides from the 2.06 Ga Phalaborwa phoscorite-carbonatite Complex, South Africa. Bolhar, R., Whitehouse, M.J., Milani,
Earth and Planetary Science Letters	2020	Episodic formation of refractory inclusions in the Solar System and their presolar heritage. Larsen K. K., Wielandt D., Schiller M., Krot A. N., and Bizzarro M. Earth

Earth and Planetary Science Letters	2020	Generation of Eoarchean continental crust from altered mafic rocks derived from a chondritic mantle: The ~ 3.72 Ga Aktash gneisses, Tarim Craton (NW China).
Earth and Planetary Science Letters	2020	Repeated magmatic buildup and deep “hot zones” in continental evolution: the cadomian crust of Iran. Moghadam H.S.*, Li Qiuli*, Griffin W.L., Stern R.J., Ishizuka
Earth and Planetary Science Letters	2020	The isotopic composition of volatiles in the unique Bench Crater carbonaceous chondrite impactor found in the Apollo 12 regolith. K.H. Joy, R. Tartèse, S.
Earth and Planetary Science Letters	2020	Tracing martian surface interactions with the triple O isotope compositions of meteoritic phosphates. Bellucci, J.J., Whitehouse, M.J., Nemchin, A.A., Snape, J.F.,
Earth and Planetary Sciences Letters	2020	A short-lived 26Al induced hydrothermal alteration event in the outer solar system: Constraints from Mn/Cr ages of carbonates. Visser, R., John, M., Whitehouse,
Earth-Science Reviews	2020	The fossil record of igneous rock. Ivarsson, M., Drake, H., Neubeck, A., Sallstedt, T., Bengtson, S., Roberts, N.M.W., Rasmussen, B. (2020). Earth-Science Reviews,
Economic Geology	2020	Oxygen-Hafnium-neodymium isotope constraints on the origin of the Talnakh ultramafic-mafic intrusion (Norilsk province, Russia). Malitch, K. N., Belousova, E. A.,
Freshwater Biology	2020	Deciphering lifelong thermal niche using otolith δ18O thermometry within supplemented lake trout (Salvelinus namaycush) populations. Olivier Morissette, Louis
Frontiers in Chemistry	2020	Impact and Correction of Analytical Positioning on Accuracy of Zircon U-Pb Dating by SIMS. Yu Liu, Qiu-Li Li, Xiao-Xiao Ling, Guo-Qiang Tang, Jiao Li and Xian-Hua
Frontiers in Marine Science	2020	Compensatory Feeding in Eastern Baltic Cod (Gadus morhua): Recent Shifts in Otolith Growth and Nitrogen Content Suggest Unprecedented Metabolic Changes.
Geobiology	2020	In situ S-isotope compositions of sulfate and sulfide from the 3.2 Ga Moodies Group, South Africa: A record of oxidative sulfur cycling. Nabhan S., Marin-Carbonne
Geobiology	2020	In Situ Fe and S isotope analyses in pyrite from the 3.2 Ga Mendon Formation (Barberton Greenstone Belt, South Africa): Evidence for early microbial iron
Geochemica et Cosmochimica Acta	2020	Li isotope zoning in garnet from Franciscan eclogite and amphibolite: The role of subduction-related fluids. Penniston-Dorland S.C., Baumgartner L.P., Dragovic B.,
Geochemistry, Geophysics and Geosystems	2020	Evidence of an active, transcrustal magma system in the last 60 ka and eruptive degassing budget (H2O, CO2, S, F, Cl, Br): the case of Dominica. d’Augustin T.,
Geochemistry, Geophysics, Geosystems	2020	Timing of Seafloor Spreading Cessation at the Macquarie Ridge Complex (SW Pacific) and Implications for Upper Mantle Heterogeneity. Jiang, Q., Merle, R.E.,
Geochimica et Cosmochimica Acta	2020	Hydrogen in chondrites: Influence of parent body alteration and atmospheric contamination on primordial components. Vacher L. G., Piani L., Rigaudier T.,
Geochimica et Cosmochimica Acta	2020	Uptake of gaseous thallium, tellurium, vanadium and molybdenum into anhydrous alum, Lascar volcano fumaroles, Chile. Sainlot N., Vlastélic I., Moune S., Rose-
Geochimica et Cosmochimica Acta	2020	Multiple sulfur isotope fractionation in hydrothermal systems in the presence of radical ions and molecular sulfur. Kokh M. A., Assayag N., Mounic S., Cartigny P.,
Geochimica et Cosmochimica Acta	2020	Sm-Nd isochron ages coupled with C-N isotope data of eclogitic diamonds from Jwaneng, Botswana. Gress M. U., Koorneef J. M., Thomassot E., Chin I. L., van
Geochimica et Cosmochimica Acta	2020	Oxygen fugacity and melt composition controls on nitrogen solubility in silicate melts. Boulliung J., Füri E., Dalou C., Tissandier L., Marrocchi Y. (2020). Geochim.
Geochimica et Cosmochimica Acta	2020	A coordinated microstructural and isotopic study of a Wark-Lovering rim on a Vigarano CAI. Jangmi Han, Lindsay P. Keller, Ming-Chang Liu, Andrew W. Needham,
Geochimica et Cosmochimica Acta	2020	A small S-MIF signal in Martian regolith pyrite: Implications for the atmosphere. Andrew G. Tomkins, Sarah L. Alkemade, Sophie E. Nutku, Natasha R. Stephen,
Geochimica et Cosmochimica Acta	2020	Carbon isotopic evolution of aqueous fluids in CM chondrites: Clues from in-situ isotope analyses within calcite grains in Yamato-791198. Fujiya W., Aoki Y.,
Geochimica et Cosmochimica Acta	2020	Deep carbon through time: Earth’s diamond record and its implications for carbon cycling and fluid speciation in the mantle. Howell D, Stachel T, Stern RA,
Geochimica et Cosmochimica Acta	2020	Primordial water and dust of the Solar System: Insights from in situ oxygen measurements of CI chondrites, Maxime Piralla, Yves Marrocchi, Maximilien J.Verdier-
Geochimica et Cosmochimica Acta	2020	Q-gases in a late-forming refractory interplanetary dust particle: A link to comet Wild 2. Ogliore R. C., Palma R. L., Stodolna J., Nagashima K., Pepin R. O., Schlutter
Geochimica et Cosmochimica Acta	2020	Trace element proxies of seafloor hydrothermal fluids based on secondary ion mass spectrometry (SIMS) of black smoker chimney linings. Evans, G.N., Tivey, M.K.,
Geochimica et Cosmochimica Acta	2020	Variations in initial 26Al/27Al ratios among fine-grained Ca-Al-rich inclusions from reduced CV chondrites. Noriyuki Kawasaki, Sohei Wada, Changkun Park, Naoya
Geochimica et Cosmochimica Acta	2020	Melilite condensed from an 16O-poor gaseous reservoir: Evidence from a fine-grained Ca-Al-rich inclusion of Northwest Africa 8613. Sohei Wada, Noriyuki
Geochimica et Cosmochimica Acta	2020	Variations in initial 26Al/27Al ratios among fine-grained Ca-Al-rich inclusions from reduced CV chondrites. Noriyuki Kawasaki, Sohei Wada, Changkun Park, Naoya
Geological Journal	2020	Geochemical characteristics of igneous rocks associated with Baghu gold deposit in the Neotethyan Torud-Chah Shirin segment, Northern Iran. Niroomand S.,
Geological Journal of China Universities	2020	Analyses of current main geochronological databases and future perspectives. Li Qiuli, Li Yang, Liu Chunru, Lu Kai, Qin Jintang,Wang Fei, Wang Tiantian, Wang
Geology	2020	New Ti-in-quartz diffusivities reconcile natural Ti zoning with time scales and temperatures of upper crustal magma reservoirs. Jollands M., Bloch E., Muntener O.
Geology	2020	Tracing metal sources for the giant McArthur river Zn-Pb deposit (Australia) using lead isotopes. Gigon J., Deloule E., Mercadier J., Huston D. L., Richard A.,
Geology	2020	No evidence for carbon enrichment in the mantle source of carbonatites in eastern Africa. Casola V., France L., Galy A., Bouden N., Villeneuve J. (2020). Geology,
Geoscience Frontiers	2020	Evidence for Mesoproterozoic collision, deep burial and rapid exhumation of garbenschiefer in the Namaqua Front, South Africa. Valby Van Schijndel, David H.
Geosciences	2020	Multiple Sulfur Isotope Records of the 3.22 Ga Moodies Group. Saitoh M., Nabhan S., Thomazo C., Olivier N., Moyen J.-F., Ueno Y., Marin-Carbonne J. Barberton
Geosciences	2020	Multiple Sulfur Isotope Records of the 3.22 Ga Moodies Group, Barberton Greenstone Belt. Saitoh M., Nabhan S., Thomazo C., Olivier N., Moyen J. F., Ueno Y.,
Geosciences	2020	Geochronology and Stable Isotope Analysis of Fracture-Fill and Karst Mineralization Reveal Sub-Surface Paleo-Fluid Flow and Microbial Activity of the COSC-1
Geosciences	2020	Zircons from a Pegmatite Cutting Eclogite (Gridino, Belomorian Mobile Belt): U-Pb-O and Trace Element Constraints on Eclogite Metamorphism and Fluid Activity.
Geostandards and Geoanalytical Research	2020	New reference materials and assessment of matrix effects for SIMS analyses of oxygen isotopes in garnet. Vho A., Rubatto D., Putlitz B., Bouvier A.-S. (2020)
Geostandards and Geoanalytical Research	2020	Development and re-evaluation of tourmaline reference materials for in situ boron isotope analysis by secondary ion mass spectrometry. Marger K., Harlaux M.,
Geostandards and Geoanalytical Research	2020	A Potential New Chalcopyrite Reference Material for SIMS Sulfur Isotope Ratio Analysis. Rucao Li, Xiao-Ping Xia, Huayong Chen, Nanping Wu, Taiping Zhao,
Geostandards and Geoanalytical Research	2020	Best Practices for Determination of Initial 10Be/9Be in Early Solar System Materials by SIMS. Emilie T. Dunham, Meenakshi Wadhwa, Steven J. Desch and Richard
Geostandards and Geoanalytical Research	2020	Concurrent determination of U-Pb age and REE mass fractions of zircon by high mass resolution SIMS. Liu Yu, Li Qiuli*, Tang Guoqiang, Li Xianhua. 2020.
Geostandards and Geoanalytical Research	2020	Inter-laboratory Characterisation of Apatite Reference Materials for Chlorine Isotope Analysis. Alicja Wudarska, Ewa Słaby, Michael Wiedenbeck, Jaime D. Barnes,
Geostandards and Geoanalytical Research	2020	RMJG Rutile: A New Natural Reference Material for Microbeam U-Pb Dating and Hf Isotopic Analysis. Le Zhang, Jia-Lin Wu, Jia-Run Tu, Dan Wu, Nan Li, Xiao-Ping

Geostandards and Geoanalytical Research	2020	SA01 - A Proposed Zircon Reference Material for Microbeam U-Pb Age and Hf-O Isotopic Determination. Chao Huang, Hao Wang, Jin-Hui Yang, Jahandar
GFF	2020	The “intraorogenic” Svecofennian Herräng mafic dyke swarm in east-central Sweden: age, geochemistry and tectonic significance. Åke Johansson & Andreas
GFF	2020	Zircon U–Pb-Hf isotope data in eclogite and metagabbro from southern Sweden reveal a common long-lived evolution and enriched source. Petersson, A., Tual, L.
Global and Planetary Change	2020	Constraining the magnitude of the carbon isotope excursion during the Paleocene-Eocene thermal maximum using larger benthic foraminifera, Qinghai Zhang, Lin
Gondwana Research	2020	The Gondwanan margin in West Antarctica: insights from Late Triassic magmatism of the Antarctic Peninsula. Bastias J., Spikings R., Ulianov A., Riley T., Burton-
Gondwana Research	2020	A Triassic to Jurassic arc in north Borneo: Geochronology, geochemistry, and genesis of the Segama Valley Felsic Intrusions and the Sabah ophiolite. Burton-
Gondwana Research	2020	Geochronology and geochemistry of subducted Cadomian continental basement in central Iran: Decompressional anatexis along the Jurassic Neotethys margin.
Gondwana Research	2020	Grenville-age continental arc magmatism and crustal evolution in central Dronning Maud Land (East Antarctica): Zircon geochronological and Hf–O isotopic
Gondwana Research	2020	Inherited or not inherited: Complexities in dating the atypical ‘cold’ Chopok granite (Nízke Tatry Mountains, Slovakia). Jolanta Burda, Urs Klötzli, Beata Woskowicz-
Gondwana Research	2020	Oxidized Late Mesozoic subcontinental lithospheric mantle beneath the eastern North China Craton: A clue to understanding cratonic destruction. Lubing Hong,
Gondwana Research	2020	Tracking the birth and growth of Cimmeria: Geochronology and origins of intrusive rocks from NW Iran. Hadi Shafaii Moghadam, Qiu-li Li, William L. Griffin, Orhan
GSA Bulletin	2020	Early Devonian (415–400 Ma) A-type granitoids and diabases in the Wuyishan, eastern Cathaysia: A signal of crustal extension coeval with the separation of South
GSA Bulletin	2020	Late Cretaceous Neo-Tethyan slab roll-back: Evidence from zircon U-Pb-O and whole-rock geochemical and Sr-Nd-Fe isotopic data of adakitic plutons in the
GSA Bulletin	2020	Petrogenesis of Early Cambrian granitoids in the western Kunlun orogenic belt, Northwest Tibet: Insight into early stage subduction of the Proto-Tethys Ocean.
International Geology Review	2020	Five hundred million years of punctuated addition of juvenile crust during extension in the Goochland Terrane, central Appalachian Piedmont Province. Martin AJ,
International Geology Review	2020	SIMS U-Pb geochronology for the Jurassic Yanliao Biota from Bawanggou section, Qinglong (northern Hebei Province, China). Zhiqiang Yu, Huaiyu He, Gang Li,
International Journal of Earth Sciences	2020	The Paleoproterozoic Hedesunda granite complex, east-central Sweden, a composite intrusion. Johansson, Å. (2020). International Journal of Earth Sciences
Journal of African Earth Sciences	2020	The Kumbis and Nagatis Formations and the Helmeringhausen Gabbro: Oldest undeformed rocks of the Sinclair Supergroup in Namibia. Harris, M., Mapani, B.S.,
Journal of Analytical Atomic Spectrometry	2020	Allanite U–Th–Pb geochronology by ion microprobe. Liao Xin, Li Qiuli, Whitehouse, M.J., Yang Yueheng, Liu Yu, Journal of Analytical Atomic Spectrometry.
Journal of Analytical Atomic Spectrometry	2020	Rapid and accurate SIMS microanalysis of monazite oxygen isotopes. Wu Liguang, Li Qiuli, Liu Yu, Tang Guoqiang, Lu Kai, Ling Xiaoxiao, Li Xianhua*. 2020. Journal
Journal of Analytical Atomic Spectrometry	2020	Rapid determination of the original boron isotopic composition from altered basaltic glass by in situ secondary ion mass spectrometry. Miaohong He, Xiaoping Xia,
Journal of Asian Earth Sciences	2020	Late Triassic extensional tectonics in the northern North China Craton insights from a multidisciplinary study of the Wangtufang pluton. Qiu Huabiao, Lin Wei*,
Journal of Geochemical Exploration	2020	In-situ sulfur isotopes analysis as an exploration tool for orogenic gold mineralization in the Granites-Tanami Gold Province, Australia: Learnings from the Callie
Journal of Geophysical Research: Solid Earth	2020	Neotethyan Subduction Ignited the Iran Arc and Backarc Differently. Moghadam H.S. *, Li Qiuli *, Li Xianhua, Stern R.J., Levresse G., Santos J.F., Lopez Martinez,
Journal of Metamorphic Geology	2020	Calibration of oxygen isotope fractionation and calcite-corundum thermometry in emery at Naxos, Greece. Turnier RB, Katzir Y, Kitajima K, Orland IJ, Spicuzza MJ
Journal of Petrology	2020	Multispecies diffusion of yttrium, rare earth elements and hafnium in garnet. Bloch E., Jollands M., Devoir A., Bouvier A.-S., Ibanez-Mejia M., Baumgartner L.P.
Journal of Phycology	2020	Resting Stages of Skeletonema marinoi Assimilate Nitrogen From the Ambient Environment Under Dark, Anoxic Conditions. Stenow, R., Olofsson, M., Robertson,
Journal of Quaternary Science	2020	Fingerprinting the Late Pleistocene tephras of Ciomadul volcano, eastern–central Europe. Harangi, S., Molnár, K., Schmitt, A. K., Dunkl, I., Seghedi, I., Novothny, Á.,
Journal of Radioanalytical and Nuclear Chemistry	2020	Uncovering uranium isotopic heterogeneity of fuel pellets from the fifth collaborative materials exercise of The Nuclear Forensics International Technical Working
Journal of South American Earth Sciences	2020	Triassic magmatism and metamorphism in the Antarctic Peninsula: Identifying the extent and timing of the Peninsula Orogeny. Riley, T. R., Flowerdew, M. J.,
Journal of the Geological Society	2020	Age of the Sääksjärvi impact structure, Finland: reconciling the timing of small impacts in crystalline basement with regional basin development. Kenny, G. G.,
Journal of the Geological Society	2020	Segmentation of the Caledonian orogenic infrastructure and exhumation of the Western Gneiss Region during transtensional collapse. Wiest, J.D., Jacobs, J.,
Journal of the Geological Society	2020	The Atud Gabbro-Diorite Complex: Glimpse of the Cryogenian Mixing, Assimilation, Storage, and Homogenization Zone beneath the Eastern Desert of Egypt.
Journal of the Geological Society	2020	The Paleogene Ophiolite Conundrum of the Iran-Iraq Border Region. Hadi Shafaii Moghadam, Qiu-Li Li, Robert J. Stern, Massimo Chiaradia, Orhan Karsli and
Journal of Volcanology and Geothermal Research	2020	Cretaceous arc volcanism of Palmer Land, Antarctic Peninsula: Zircon U-Pb geochronology, geochemistry, distribution and field relationships. Riley, T.R.,
Lithos	2020	Tracing metallic pre-concentrations in the Limousin ophiolite-derived rocks and Variscan granites (French Massif Central). El Korh A., Boiron M.-C., Cathelineau M.,
Lithos	2020	Boron isotope composition of coexisting tourmaline and hambergite in alkaline and granitic pegmatites. Øyvind Sunde, Henrik Friis, Tom Andersen, Robert
Lithos	2020	Multi-system geochronology of North Dabie eclogite: Ineffective garnet ‘shielding’ on rutile inclusions under multi-thermal conditions. Zhou Tian, Li Qiuli*, Klemd
Lithos	2020	Prolonged magmatism and growth of the Iran-Anatolia Cadomian continental arc segment in Northern Gondwana. H. ShafaiiMoghadam, Q.L. Li, W.L. Griffin, R.J.
Lithos	2020	Remnants of a Middle Triassic island arc on western margin of South China Block: Evidence for bipolar subduction of the Paleotethyan Ailaoshan Ocean. Jian Xu,
Lithos	2020	Zircon U-Pb, geochemical and isotopic constraints on the age and origin of A- and A-type granites and gabbro-diorites from NW Iran. Moghadam H.S.*, Li Qiuli*,
Marine and Petroleum Geology	2020	delta O-18, delta C-13, trace elements and REE in situ measurements coupled with U-Pb ages to reconstruct the diagenesis of upper triassic atoll-type carbonates
Marine and Petroleum Geology	2020	Origin of sulfate-rich fluids in the Early Triassic Montney Formation, Western Canadian Sedimentary Basin. Liseroudi MH, Ardakani OH, Sanei H, Pedersen PK,
Meteoritics & Planetary Science	2020	Experimental constraints on the solidification of a hydrous lunar magma ocean. Yanhao Lin, Hejiu Hui, Xiaoping Xia, Sheng Shang, Wim van Westrenen.
Meteoritics & Planetary Science	2020	Hydrogen fluence in Genesis collectors: Implications for acceleration of solar wind and for solar metallicity. Huss G. R., Koeman-Shields E., Jurewicz A. J. G.,
Meteoritics & Planetary Science	2020	Pb-Pb ages and initial Pb isotopic composition of lunar meteorites: NWA 773 clan, NWA 4734, and Dhofar 287. Merle, R.E., Nemchin, A.A., Whitehouse, M.J.,
Meteoritics & Planetary Science	2020	The sulfur budget and sulfur isotopic composition of Martian regolith breccia NWA 7533. Lorand, J.-P., Labidi, J., Rollion-Bard, C., Thomassot, E., Bellucci, J.J.,

Meteoritics & Planetary Science	2020		U-Pb dating of zircons from an impact melt of the Nördlinger Ries crater. Winfried H. Schwarz, Michael Hanel, Mario Trieloff. Meteoritics & Planetary Science,
Meteoritics and Planetary Science	2020		Evidence for the presence of chondrule- and CAI-derived material in an isotopically anomalous Antarctic micrometeorite. Soens B., Suttle M. D., Maeda R.,
Meteoritics and Planetary Science	2020		The sulfur budget and sulfur isotopic composition of Martian regolith breccia NWA 7533. Lorand J.-P., Labidi J., Rollion-Bard C., Thomassot E., Bellucci J. J.,
Meteoritics and Planetary Science	2020		An unusual compound object in Yamato 793408 (H3.2-an) : The missing link between compound chondrules and macrochondrules ? Barosch J., Hezel D. C.,
Mineralium Deposita	2020		Cenozoic oxidation episodes in West Africa at the origin of the in-situ supergene mineral redistribution of the primary uranium orebodies (Imouraren deposit, Tim
Mineralium Deposita	2020		Chemical and boron isotope composition of tourmaline from the Kiaka orogenic gold deposit (Burkina Faso, West African craton) as a proxy for ore-forming
Mineralium Deposita	2020		Not all Neoproterozoic iron formations are glaciogenic: Sturtian-aged non-Rapitan exhalative iron formations from the Arabian–Nubian Shield. Abd El-Rahman,
Mineralium Deposita	2020		The multiple sulfur isotope architecture of the Golden Mile and Mount Charlotte deposits, Western Australia. Godefroy-Rodríguez, M., Hagemann, S., LaFlamme,
Mineralogy and Petrology	2020		Yellow diamonds with colourless cores – evidence for episodic diamond growth beneath Chidliak and the Ekati Mine, Canada. Mei Yan Lai, Thomas Stachel,
Minerals	2020		Low temperature serpentinite replacement by carbonates during seawater influx in the Newfoundland margin, Picazo S., Malvoisin B., Baumgartner L.P., Bouvier
Minerals	2020		Chlorine Isotope Composition of Apatite from the >3.7 Ga Isua Supracrustal Belt, SW Greenland. Alicja Wudarska, Ewa Słaby, Michael Wiedenbeck, Łukasz Birski,
Minerals	2020		Magma mingling in kimberlites: Evidence from the groundmass cocrystallization of two spinel-group minerals. Xu Jingyao, Melgarejo J.C., Li Qiuli*, Abat L.T.,
Minerals	2020		Magmatic PGE sulphide mineralization in clinopyroxenite from the platreef, bushveld complex, South Africa. Klemd, R., Beinlich, A., Kern, M., Junge, M., Martin, L.,
Minerals	2020		The chemical state and occupancy of radiogenic Pb and crystallinity of RW-1 monazite revealed by XPS and TEM. Tang Xu, Li Qiuli*, Zhang B., Wang P., Gu L.X.,
Minerals	2020		The Seven Sisters Hydrothermal System: First Record of Shallow Hybrid Mineralization Hosted in Mafic Volcaniclasts on the Arctic Mid-Ocean Ridge. A Marques,
Nature Astronomy	2020		Evidence of extensive lunar crust formation in impact melt sheets 4,330 Myr ago. White, L. F., Černok, A., Darling, J. R., Whitehouse, M.J., Joy, K. H., Cayron, C,
Nature Communication	2020		Uncovering and quantifying the subduction zone sulfur cycle from the slab perspective. Ji-Lei Li, Esther M. Schwarzenbach, Timm John, Jay J. Ague, Fang Huang,
Nature Communications	2020		Molecular hydrogen in minerals as a clue to interpret ðD variations in the mantle. Moine B. N., Bolfan-Casanova N., Radu I. B., Ionov D. A., Costin G., Korsakov A.
Northern Territory Geological Survey	2020		Using tourmaline to identify base metal and tungsten mineralizing processes in the Jervois mineral field and Bonya Hills, Aeleron province. (Record / Northern
Ore Geology Reviews	2020		Desulphurisation, chromite alteration, and bulk rock PGE redistribution in massive chromitite due to hydrothermal overprint of the Panton Intrusion, east
Ore Geology Reviews	2020		Genesis of the Bangbu gold deposit in the southern Tibet: Evidenced from in-situ sulfur isotopes and trace element compositions of pyrite. Xu Zheng, Xiang Sun,
Ore Geology Reviews	2020		Geochemistry, zircon U-Pb geochronology and Hf-O isotopes of the Late Mesozoic granitoids from the Xiong'ershan area, East Qinling Orogen, China: Implications
Ore Geology Reviews	2020		Indosinian magmatism and rare metal mineralization in East Tianshan orogenic belt: An example study of Jingerquan Li-Be-Nb-Ta pegmatite deposit. Liu, S., Wang,
Ore Geology Reviews	2020		Multidisciplinary study of a complex magmatic system: The Savannah Ni-Cu-Co Camp, Western Australia. Margaux Le Vaillant, Stephen J. Barnes, David R. Mole,
Ore Geology Reviews	2020		Mineral chemistry and sources of fluid and sulfur at the Katbasu gold deposit in South Tianshan, NW China. Leilei Dong, Bo Wan, Chen Deng, Keda Cai, Ore
Paleoceanography and Paleoclimatology	2020		Constraints on Earth System Functioning at the Paleocene-Eocene Thermal Maximum From the Marine Silicon Cycle. Fontorbe, G., Frings, P.J., De La Rocha, C.L.,
Paleoceanography and Paleoclimatology	2020		High-resolution Mg/Ca and δ18O patterns in modern Neogloboquadrina pachyderma from the Fram Strait and Irminger Sea. Caitlin M. Livsey, Reinhard Kozdon,
PNAS	2020	IMS 1280	The internal structure and geodynamics of Mars inferred from a 4.2-Gyr zircon record; Maria M. Costa, Ninna K. Jensen, Laura C. Bouvier, James N. Connelly,
PNAS	2020	0	A modern scleractinian coral with a two-component calcite-aragonite skeleton. Stolarski J., Coronado I., Murphy J.G., Kitahara M.V., Janiszewska K., Mazur M.,
PNAS	2020	0	Alkali magmatism on a carbonaceous chondrite planetesimal. Jérôme Aléon, Alice Aléon-Toppani, Bernard Platevoet, Jacques-Marie Bardintzeff, Kevin D.
PNAS	2020	0	Chondrules reveal large-scale outward transport of inner Solar System materials in the protoplanetary disk. Curtis D. Williams, Matthew E. Sanborn, Céline
PNAS	2020	0	The appearance and duration of the Jehol Biota: Constraints from SIMS U-Pb zircon dating for the Huajiying Formation in northern China. Yang Saihong, He
PNAS	2020	0	The internal structure and geodynamics of Mars inferred from a 4.2-Gyr zircon record. Costa, M. M., Jensen, N. K., Bouvier, L. C., Connelly, J. N., Mikouchi, T.,
Precambrian Research	2020	0	Garnet and zircon geochronology of the Paleoproterozoic Kuru-Vaara eclogites, northern Belomorian Province, Fennoscandian Shield. Melnik A., Skublov S.,
Precambrian Research	2020	0	A case study of in situ analyses (major and trace elements, U-Pb geochronology and Hf-O isotopes) of a zircon megacryst: Implication for the evolution of the
Precambrian Research	2020	0	Young ages from old garnet in the polyphase metamorphic terrane of theLimpopo Belt, South Africa. Zhou Tian, Li Qiuli*, Li Chaofeng, Kröner Alfred. 2020.
Precambrian Research	2020	0	40Ar/39Ar and U-Pb SIMS zircon ages of Ediacaran dikes from the Arabian-Nubian Shield of south Jordan. Hind Ghanem, Ryan J. McAleer, Ghaleb H.Jarrar,
Precambrian Research	2020	0	A long-lived tectono-metamorphic event in the late Paleoproterozoic: Evidence from SIMS U–Th–Pb dating of monazite from metapelite in central-south Trans-
Precambrian Research	2020	0	Geological record of Paleoarchean oceanic flake tectonics preserved in the c. 3.3 Ga Kromberg volcanic type-section, Barberton greenstone belt, South Africa.
Precambrian Research	2020	0	Late Neoproterozoic–Cambrian magmatism in Dronning Maud Land (East Antarctica): U–Pb zircon geochronology, isotope geochemistry and implications for
Precambrian Research	2020	0	Neoproterozoic geodynamic evolution of easternmost Kalahari: Constraints from U-Pb-Hf-O zircon, Sm-Nd isotope and geochemical data from the Schirmacher
Precambrian Research	2020	0	Textural, geochemical, and isotopic data from silicified rocks and associated chemical sedimentary rocks in the ~ 2.7 Ga Abitibi greenstone belt, Canada: Insight
Precambrian Research	2020	0	The occurrence of Neoproterozoic low δ18O igneous rocks in the northwestern margin of the South China Block: Implications for the Rodinia configuration. Wu
Precambrian Research	2020	0	The Sveconorwegian orogeny – Reamalgamation of the fragmented southwestern margin of Fennoscandia. Slagstad, T., Marker, M., Roberts, N.M.W., Saalmann,
Precambrian Research	2020	0	Timing and origin of the host rocks to the Malmberget iron oxide-apatite deposit, Sweden. Sarlus, Z., Andersson, U.B., Martinsson, O., Bauer, T., Wanhainen, C.,
Precambrian Research	2020	0	U-Pb zircon geochronology from Haag Nunataks, Coats Land and Shackleton Range (Antarctica): Constraining the extent of juvenile Late Mesoproterozoic arc
Quaternary Geochronology	2020	0	U-Th disequilibrium, (U-Th)/He and 40Ar/39Ar geochronology of distal Nisyros Kyra tephra deposits on Datça peninsula (SW Anatolia). Gençalioğlu-Kuşcu, G.,

Rapid Communications in Mass Spectrometry	2020	0	High spatial resolution measurements of iron isotopes in pyrites by SIMS using new Hyperion-II-Radio-Frequency plasma source. Decraene M.-N., Marin-
Royal Society Open Science	2020	0	Timing of geological events in the lunar highlands recorded in shocked zircon-bearing clasts from Apollo 16. Joy, K.H., Snape, J.F., Nemchin, A.A., Tartèse, R.,
Royal Society Open Science	2020	0	Timing of geological events in the lunar highlands recorded in shocked zirconbearing clasts from Apollo 16. K. H. Joy, J. F. Snape, A. A. Nemchin, R. Tartèse, D. M.
Science	2020	0	Earth's water may have been inherited from material similar to enstatite chondrite meteorites. Piani L., Marrocchi Y., Rigaudier T., Vacher L. G., Thomassin D.,
Science Advances	2020	0	Early oxidation of the martian crust triggered by impacts. Deng Z., Moynier F., Villeneuve J., Jensen N. K., Liu D., Cartigny P., Mikouchi T., Siebert J., Agranier A.,
Science Advances	2020	0	Oxygen isotopic heterogeneity in the early Solar System inherited from the protosolar molecular cloud. Alexander N. Krot, Kazuhide Nagashima, James R. Lyons,
Scientific Reports	2020	0	Exceptional sulfur and iron isotope enrichment in millimetre-sized, early Palaeozoic animal burrows. Dario Harazim, Joonas J. Virtasalo, Kathryn C. Denommee,
Scientific Reports	2020	0	Isotopic systematics of zircon indicate an African affinity for the rocks of southernmost India. Chris Clark, Alan S. Collins, Richard J. M. Taylor & Martin Hand.
Scientific Reports	2020	0	Metallomics in deep time and the influence of ocean chemistry on the metabolic landscapes of Earth's earliest ecosystems. Hickman-Lewis, K., Cavalazzi, B.,
Scientific Reports	2020	0	The benthic foraminiferal δ34S records flux and timing of paleo methane emissions. C. Borrelli, R. I. Gabitov, M.-C. Liu, A. T. Hertwig & G. Panieri. Scientific
Scientific Reports	2020	0	In situ Rb-Sr dating of slickenfibres in deep crystalline basement faults. Tillberg, M., Drake, H., Zack, T., Kooijman, E., Whitehouse, M.J., Åström, M.E. Scientific
Sedimentary Geology	2020	0	Dolomite cements in Cenomanian continental sand deposits: time evolution and significance (Zoovch Ovoo U-deposit, East Gobi Basin, Mongolia). Rallakis D.,
Sedimentary Geology	2020	0	Variation in the diagenetic response of aragonite archives to hydrothermal alteration. Pederson C., Mavromatis V., Dietzel M., Rollion-Bard C., Breitenbach S. F.
Solid Earth	2020	0	Cenozoic deformation in the Tauern Window (Eastern Alps) constrained by in-situ Th-Pb dating of fissure monazite, Ricchi E., Bergemann C.A., Gnos E., Berger A.,
Solid Earth	2020	0	Cenozoic deformation in the Tauern Window (Eastern Alps) constrained by in situ Th-Pb dating of fissure monazite. Ricchi, E., Bergemann, C.A., Gnos, E., Berger,
Solid Earth	2020	0	Dating tectonic activity in the Lepontine Dome and Rhone-Simplon Fault regions through hydrothermal monazite-(Ce). Bergemann, C.A., Gnos, E., Berger, A.,
Solid Earth Sciences	2020	0	Electrostatic force: A novel method for mounting small zircon grains to expose the maximum outer surface. Ling Xiaoxiao, Ma Hongxia, Liu Yu, Li Qiuli*, 2020.
South African Journal of Geology	2020	0	Dating of Guperas Formation rhyolites changes the stratigraphy of the Mesoproterozoic Sinclair Supergroup of Namibia. Cornell, D.H., Harris, M., Mapani, B.S.,
Surface and Interface Analysis	2020	0	Breakthrough of 2- to 3-μm scale U–Pb zircon dating using Cameca IMS-1280HR SIMS. Yu Liu, Xian-Hua Li, Qiu-Li Li, Guo-Qiang Tang. Surface and Interface
Surface and Interface Analysis	2020	0	Oxygen isotope homogeneity assessment for apatite U-Th-Pb geochronology reference materials. Qing Yang, Xiao-Ping Xia, Le Zhang, Wanfeng Zhang, Yanqiang
Swiss Journal of Geosciences	2020	0	The evolution of the Sesia Zone (Western Alps) from Carboniferous to Cretaceous: insights from zircon and allanite geochronology. Vho A., Rubatto D., Lanari P.,
Swiss Journal of Geosciences	2020	0	Ion microprobe dating of fissure monazite in the Western Alps: insights from the Argentera Massif and the Piemontais and Briançonnais Zones. Ricchi E., Gnos E.,
Talanta	2020	0	Focused ion beam for improved spatially-resolved mass spectrometry and analysis of radioactive materials for uranium isotopic analysis. Dallas D. Reilly, Chelsie L.
Applied Geochemistry	2019	0	Diversity and origin of quartz cements in continental carbonates: Example from the Lower Cretaceous rift deposits of the South Atlantic margin. Teboul P.-A.,
Bulletin of Volcanology	2019	0	Textural and geochemical constraints on andesitic plug emplacement prior to the 2004–2010 vulcanian explosions at Galeras volcano, Colombia. Bain, A.A., Calder
Contributions to Mineralogy and Petrology	2019	0	Baddeleyite formation in zircon by Ca-bearing fluids in silica-saturated systems in nature and experiment: resetting of the U–Pb geochronometer. Lewerentz, A.,
Journal of Petrology	2019	0	Zircon Petrochronology and 40Ar/39Ar Thermochronology of the Adamello Intrusive Suite, N. Italy: Monitoring the Growth and Decay of an Incrementally
Journal of Volcanology and Geothermal Research	2019	0	Episodes of dormancy and eruption of the Late Pleistocene Ciomadul volcanic complex (Eastern Carpathians, Romania) constrained by zircon geochronology.
Nature Scientific Reports	2019	0	Buoyant hydrous mantle plume from the mantle transition zone. Kuritani T., Xia Q.-K., Kumura J.-I., Liu J., Shimizu K., Ushikubo T., Zhao D., Nakagawa M.,
South African Journal of Geology	2019	0	Age and geological context of the Barby Formation, a key volcanic unit in the Mesoproterozoic Sinclair Supergroup of southern Namibia. Malobela, T., Mapani, B.,
Miner Deposita	2019	0	Sulfur isotopes, trace element, and textural analyses of pyrite, arsenopyrite and base metal sulfides associated with gold mineralization in the Pataz-Parcoy
Acta Oceanologica Sinica	2019	0	Implications of the melting depth and temperature of the Atlantic mid-ocean ridge basalts. Yili Guan, Xuefa Shi, Quanshu Yan, Xun Wei, Yan Zhang, Xiaoping Xia &
American Mineralogist	2019	0	Origin of Monte Rosa whiteschist from in-situ tourmaline and quartz oxygen isotope analysis by SIMS using new tourmaline reference materials. Marger K., Luisier
American Mineralogist	2019	0	Fast diffusion path for water in silica glass. Kuroda, M., Tachibana, S., Sakamoto, N. and Yurimoto, H. American Mineralogist (2019) 104 (3): 385-390.
American Mineralogist	2019	0	Nitrogen incorporation in silicates and metals: Results from SIMS, EPMA, FTIR, and laser-extraction mass spectrometry. Mosenfelder J.-L., Von Der Handt A., Füri
American Mineralogist	2019	0	Origin of Monte Rosa whiteschist from in-situ tourmaline and quartz oxygen isotope analysis by SIMS using new tourmaline reference materials. Katharina
American Mineralogist	2019	0	Crystallographic and fluid compositional effects on the halogen (Cl, F, Br, I) incorporation in pyromorphite-group minerals. Epp, T., Marks, M. A., Ludwig, T.,
Analyst	2019	0	Advances in age-dating of individual uranium particles by large geometry secondary ion mass spectrometry. Christopher Szakal, David S. Simons, John D. Fassett &
Analytical Chemistry	2019	0	Simultaneous Pu and U Isotope Nuclear Forensics on an Environmentally Recovered Hot Particle. J. J. Bellucci, M. J. Whitehouse, M. Aleshin, M. Eriksson.
Chemical Geology	2019	0	Localized small scale process recorded by large oxygen isotope variations in olivine-hosted melt inclusions from two MORB samples. Manzini M., Bouvier A.-S.,
Chemical Geology	2019	0	A new 3.59 Ga magmatic suite and a chondritic source to the east Pilbara Craton. Petersson, A., Kemp, A.I.S., Hickman, A.H., Whitehouse, M.J., Martin, L., Gray,
Chemical Geology	2019	0	Boron isotope composition of the cold-water coral Lophelia pertusa along the Norwegian margin: Zooming into a potential pH-proxy by combining bulk and high-
Chemical Geology	2019	0	Evaluating mechanisms for eclogitic diamond growth: An example from Zimmi Neoproterozoic diamonds (West African craton). Smit KV, Stachel T, Luth RW, Stern
Chemical Geology	2019	0	Experimental characterization of diffusive and Soret isotopic fractionation of sulfur in a reduced, anhydrous basaltic melt. Fortin M-A, Watson EB, Stern RA, Ono S,
Chemical Geology	2019	0	Grain scale processes recorded by oxygen isotopes in olivine-hosted melt inclusions from two MORB samples. Manzini M., Bouvier A.-S., Baumgartner L. P., Rose-
Chemical Geology	2019	0	In situ trace element and Sm-Nd isotope analysis of accessory minerals in an Eoarchean tonalitic gneiss from Greenland: Implications for Hf and Nd isotope
Chemical Geology	2019	0	Micro-scale geochemical and crystallographic analysis of Buccinum undatum statoliths supports an annual periodicity of growth ring deposition. Hollyman P.R.,

Chemical Geology	2019	0	Micro-scale isotopic variability of low-temperature pyrite in fractured crystalline bedrock — A large Fe isotope fractionation between Fe(II)aq/pyrite and absence
Chemical Geology	2019	0	The accumulation of non-formula elements in zircons during weathering: Ancient zircons from the Jack Hills, Western Australia. Pidgeon, R.T., Nemchin, A.A.,
Chemical Geology	2019	0	The effect of melt composition and oxygen fugacity on manganese partitioning between apatite and silicate melt. Stokes T.N., Bromiley G.D., Potts N.J., Saunders
Chemical Geology	2019	0	The ion microprobe as a tool for obtaining strontium isotopes in magmatic plagioclase: A case study at Okataina Volcanic Centre, New Zealand. Sas, M., Kawasaki,
Chemical Geology	2019	0	Tracing the palaeoredox conditions at Forsmark, Sweden, using uranium mineral geochronology. Krall, L., Evins, L.Z., Kooijman, E., Whitehouse, M., Tullborg, E.-L.
Chemical Geology	2019	0	Tracking chemical alteration in magmatic zircon using rare earth element abundances. Bell E. A., Boehnke P., Barboni M., and Harrison T. M. Chemical Geology,
Chemical Geology	2019	0	U-Pb isotopic dating of columbite-tantalite minerals: Development of reference materials and in situ applications by ion microprobe. Legros L., Mercadier J.,
Chemical Geology	2019	0	Volatile segregation and generation of highly vesiculated explosive magmas by volatile-melt fining processes: The case of the Campanian Ignimbrite eruption.
Contrib Mineral Petrol	2019	0	Andradite skarn garnet records of exceptionally low δ18O values within an Early Cretaceous hydrothermal system, Sierra Nevada, CA. Ryan-Davis, J., Lackey, J.S.,
Contrib Mineral Petrol	2019	0	Fast ascent rate during the 2017–2018 Plinian eruption of Ambae (Aoba) volcano: a petrological investigation. Moussallam, Y., Rose-Koga, E.F., Koga, K.T. et al.
Contributions to Mineralogy and Petrology	2019	0	An experimentally calibrated thermobarometric solubility model for titanium in coesite (TitaniC) Osborne, Z.R., Thomas, J.B., Nachlas, W.O., Baldwin, S.L.,
Contributions to Mineralogy and Petrology	2019	0	Evidence from plutonic xenoliths for magma differentiation, mixing and storage in a volatile-rich crystal mush beneath St. Eustatius, Lesser Antilles. George F.
Contributions to Mineralogy and Petrology	2019	0	Rapid orthopyroxene growth induced by silica assimilation: constraints from sector-zoned orthopyroxene, olivine oxygen isotopes and trace element variations in
Contributions to Mineralogy and Petrology	2019	0	Reconciling Li and O diffusion in zircon with protracted magmatic crystal residence. Alejandro Cisneros de León, Axel K. Schmitt. Contributions to Mineralogy and
Cretaceous Research	2019	0	New geochronological constraints for the Upper Cretaceous Nenjiang Formation in the Songliao Basin, NE China. Zhiqiang Yu, Huaiyu He, Chenglong Deng,
Earth and Planetary Science Letters	2019	0	Tracing of Cl input into the sub-arc mantle through the combined analysis of B, O and Cl isotopes in melt inclusions. Bouvier A.-S., Manzini M., Rose-Koga E.F.,
Earth and Planetary Science Letters	2019	0	Reactive fluid infiltration along fractures: Textural observations coupled to in-situ isotopic analyses. Bégué F., Baumgartner L.P., Bouvier A.-S., Robyr M. (2019) EPSL 519, 264-273, doi: 10.1016/j.epsl.2019.05.024; ;Earth and Planetary Science Letters
Earth and Planetary Science Letters	2019	0	Compositional and temperature effects on sulfur speciation and solubility in silicate melts. Nash, W.M., Smythe, D.J.,Wood, B.J. Earth and Planetary Science
Earth and Planetary Science Letters	2019	0	Dehydration of melt inclusions in olivine and implications for the origin of silica-undersaturated island-arc melts. Portnyagin M., Minorov N., Botcharnikov R.,
Earth and Planetary Science Letters	2019	0	Diagenesis of mollusc aragonite and the role of fluid reservoirs. Pederson C., Mavromatis V., Dietzel M., Rollion-Bard C., Nehrke G., Jöns N., Jochum K. P.,
Earth and Planetary Science Letters	2019	0	Estimating the carbon content of the deep mantle with Icelandic melt inclusions. Miller W.G.R, Maclennan J., Shorttle O., Gaetanic G.A., Le Rouxc V., Klein F. Earth
Earth and Planetary Science Letters	2019	0	Investigating ocean island mantle source heterogeneity with boron isotopes in melt inclusions. Walowski K.J., Kirstein L.A., DeHoog J.C.M., Elliott T.R., Savov I.P.,
Earth and Planetary Science Letters	2019	0	Magma interactions, crystal mush formation, timescales, and unrest during caldera collapse and lateral eruption at ocean island basaltic volcanoes (Piton de la
Earth and Planetary Science Letters	2019	0	Mechanisms and consequences of intra-crystalline enrichment of ancient radiogenic Pb in detrital Hadean zircons from the Jack Hills, Western Australia. Ge, R.,
Earth and Planetary Science Letters	2019	0	New constraints on mantle carbon from Mid-Atlantic Ridge popping rocks. Jones, M.R., Wanless, V.D., Soule, S.A., Kurz, M.D., Mittelstaedt, E., Fornari, D.J.,
Earth and Planetary Science Letters	2019	0	Reactive fluid infiltration along fractures: Textural observations coupled to in-situ isotopic analyses. Bégué F., Baumgartner L.P., Bouvier A.-S., Robyr M., Earth and
Earth and Planetary Science Letters	2019	0	Tracing of Cl input into the sub-arc mantle through the combined analysis of B, O and Cl isotopes in melt inclusions. Bouvier A.-S., Manzini M., Rose-Koga E.F.,
Earth and Planetary Science Letters	2019	0	Terrestrial-like zircon in a clast from an Apollo 14 breccia. Bellucci, J.J., Nemchin, A.A., Grange, M., Robinson, K.L., Collins, G., Whitehouse, M.J., Snape, J.F.,
Earth and Planetary Science Letters	2019	0	Variations in initial 26Al/27Al ratios among fluffy Type A Ca–Al-rich inclusions from reduced CV chondrites. Kawasaki, N., Park, C., Sakamoto, N., Park, S. Y., Kim, H.
Economic Geology	2019	0	Boron Isotope Muscovite-Tourmaline Geothermometry Indicates Fluid Cooling During Magmatic-Hydrothermal W-Sn Ore Formation. Codeço, M. S., Weis, P.,
Environmental Microbiology	2019	0	High single-cell diversity in carbon and nitrogen assimilations by a chain-forming diatom across a century. Olofsson, M., Kourtchenko, O., Zetsche, E.M., Marchant,
European Journal of Mineralogy	2019	0	238U/230Th disequilibrium dating and trace element geochemistry of perovskite from late Quaternary alkali mafic rocks of the West Eifel Volcanic Field
Frontiers in Earth Science	2019	0	Isotopic and Petrologic Investigation, and a Thermomechanical Model of Genesis of Large-Volume Rhyolites in Arc Environments: Karymshina Volcanic Complex,
Geochemical Journal	2019	0	In situ analyses of hydrogen and sulfur isotope ratios in basaltic glass using SIMS. Shimizu K., Ushikubo T., Murai T., Matsu'ura F., Ueno Y. Geochemical Journal
Geochemical Perspectives Letters	2019	0	Formation of Archean continental crust constrained by boron isotopes. Smit, M.A. Scherstén, A., Næraa, T., Emo, R.B., Scherer, E.E., Sprung, P., Bleeker, W.,
Geochemical Perspectives Letters	2019	0	Zircon halogen geochemistry: Insights into Hadean-Archean fluids. Tang H., Trail D., Bell E. A., and Harrison T. M. Geochemical Perspectives Letters. (2019) 9,
Geochemistry	2019	0	Heating duration of igneous rim formation on a chondrule in the Northwest Africa 3118 CV3oxA carbonaceous chondrite inferred from micro-scale migration of
Geochemistry	2019	0	Mineralogy, petrography, and oxygen and aluminum-magnesium isotope systematics of grossite-bearing refractory inclusions. Krot A. N., Nagashima K., Simon S.
Geochemistry	2019	0	Mineralogy, petrography, and oxygen isotopic compositions of ultrarefractory inclusions from carbonaceous chondrites. Krot A. N., Ma C., Nagashima K., Davis A.
Geochemistry	2019	0	Mineralogy, petrology, and oxygen isotopic composition of Northwest Africa 12379, metal-rich chondrite with affinity to ordinary chondrites. Jansen C. A., Brenker
Geochemistry	2019	0	Origin of 16O-rich fine-grained Ca-Al-rich inclusions of different mineralogy and texture. Han J., Jacobsen B., Liu M.-C., Brearley A. J., Matzel J. E., and Keller L. P.
Geochemistry, Geophysics, Geosystems	2019	0	Carbon Dioxide in Geochemically Heterogeneous Melt Inclusions From Mount Etna, Italy. Salem, L.C., Edmonds, M., Corsaro, R.A., Maclennan, J. Geochemistry,
Geochemistry, Geophysics, Geosystems	2019	0	Isotopic Compositions of Sulfides in Exhumed High-Pressure Terranes: Implications for Sulfur Cycling in Subduction Zones. Walter, J.B., Cruz-Uribe, A.M., and
Geochemistry, Geophysics, Geosystems	2019	0	Mixing and Crystal Scavenging in the Main Ethiopian Rift Revealed by Trace Element Systematics in Feldspars and Glasses. Iddon, F., Jackson, C., Hutchison, W.,
Geochimica et Cosmochimica Acta	2019	0	Time and Duration of Chondrule Formation: Constraints from 26Al-26Mg Ages of Individual Chondrules. Pape J., Mezger K., Bouvier A.-S., Baumgartner L.P. (2019)
Geochimica et Cosmochimica Acta	2019	0	Ultra-High Resolution of Experimental Diffusion Profiles in Minerals using Local Electrode Atom Probe Tomography. Bloch E., Jollands M. C., Gerstl S., Bouvier A.-

Geochimica et Cosmochimica Acta	2019	0	Apatite as a tracer of the source, chemistry and evolution of ore-forming fluids: The case of the Olserum-Djupedal REE-phosphate mineralisation, SE Sweden.
Geochimica et Cosmochimica Acta	2019	0	Boron isotope systematics of cultured brachiopods: Response to acidification, vital effects and implications for palaeo-pH reconstruction. Jurikova H., Liebetrau V.,
Geochimica et Cosmochimica Acta	2019	0	Combined U-corrected Pb-Pb dating and 26Al-26Mg systematics of individual chondrules – Evidence for a reduced initial abundance of 26Al amongst inner Solar
Geochimica et Cosmochimica Acta	2019	0	Condensate refractory inclusions from the CO3.00 chondrite Dominion Range 08006: Petrography, mineral chemistry, and isotopic compositions. Simon S. B., Krot
Geochimica et Cosmochimica Acta	2019	0	Diffusion of calcium in forsterite and ultra-high resolution of experimental diffusion profiles in minerals using local electrode atom probe tomography. Bloch E.,
Geochimica et Cosmochimica Acta	2019	0	Evidence for oxygen-isotope exchange in refractory inclusions from Kaba (CV3.1) carbonaceous chondrite during fluid-rock interaction on the CV parent asteroid.
Geochimica et Cosmochimica Acta	2019	0	Evidence of chemical heterogeneity within lunar anorthosite parental magmas. Pernet-Fisher J. F., Deloule E., Joy K. H. Geochimica et Cosmochimica Acta, Volume
Geochimica et Cosmochimica Acta	2019	0	Evolution of nascent mantle wedges during subduction initiation: Li-O isotopic evidence from the Luobusa ophiolite, Tibet. Zhang Peng-Fei ; Zhou Mei-Fu ; Robinso
Geochimica et Cosmochimica Acta	2019	0	Extended chondrule formation intervals in distinct physicochemical environments: Evidence from Al-Mg isotope systematics of CR chondrite chondrules with
Geochimica et Cosmochimica Acta	2019	0	Extreme 13C-depletions and organic sulfur content argue for S-fueled anaerobic methane oxidation in 2.72 Ga old stromatolites. Lepot K, Williford KH, Philippot P,
Geochimica et Cosmochimica Acta	2019	0	Formation of CV chondrules by recycling of amoeboid olivine aggregate-like precursors. Marrocchi Y., Euverte R., Villeneuve J., Batanova V., Welsch B., Ferrière L.,
Geochimica et Cosmochimica Acta	2019	0	High fluxes of deep volatiles from ocean island volcanoes: Insights from El Hierro, Canary Islands. Taracsák, Z., Hartley, M.E., Burgess, R., Edmonds, M., Iddon, F.
Geochimica et Cosmochimica Acta	2019	0	Lewis Cliff 86211 and 86498: Metal-sulfide liquid segregates from a carbonaceous chondrite impact melt. Lunning N. G., McCoy T. J., Schrader D. L., Nagashima K.,
Geochimica et Cosmochimica Acta	2019	0	Low-δ18O zircon xenocrysts in alkaline basalts; a window into the complex carbonatite-metasomatic history of the Zealandia lithospheric mantle. Quinten H.A.van
Geochimica et Cosmochimica Acta	2019	0	Mantle-like oxygen isotopes in kimberlites determined by in situ SIMS analyses of zoned olivine. Giuliani, A., Martin, L. A. J., Soltys, A., & Griffin, W. L.
Geochimica et Cosmochimica Acta	2019	0	Oxygen isotopes in titanite and apatite, and their potential for crustal evolution research. E. Bruand, C.Storey, M.Fowler, E.Heilimo, EIMF. Geochimica et
Geochimica et Cosmochimica Acta	2019	0	Paleoproterozoic increase in zircon δ18O driven by rapid emergence of continental crust. Spencer CJ, Partin CA, Kirkland CL, Raub TD, Liebmann J, Stern RA,
Geochimica et Cosmochimica Acta	2019	0	Post-crystallization alteration of natural uraninites: Implications for dating, tracing, and nuclear forensics. Martz P., Mercadier J., Perret J., Villeneuve J., Deloule
Geochimica et Cosmochimica Acta	2019	0	Sulfur isotope study of sulfides in CI, CM, C2ung chondrites and volatile-rich clasts – Evidence for different generations and reservoirs of sulfide formation. Visser,
Geochimica et Cosmochimica Acta	2019	0	Syneruptive incorporation of martian surface sulphur in the nakhlite lava flows revealed by S and Os isotopes and highly siderophile elements: implication for
Geochimica et Cosmochimica Acta	2019	0	The 26Al-26Mg systematics of FeO-rich chondrules from Acfer 094: two chondrule generations distinct in age and oxygen isotope ratios. Andreas T.Hertwig,
Geochimica et Cosmochimica Acta	2019	0	The Milton pallasite and South Byron Trio irons: Evidence for oxidation and core crystallization. McCoy T. J., Corrigan C. M., Nagashima K., Reynolds V. S., Ash R.
Geochimica et Cosmochimica Acta	2019	0	The timing of basaltic volcanism at the Apollo landing sites. Snape, J. F., Nemchin, A. A., Whitehouse, M. J., Merle, R. E., Hopkinson, T., & Anand, M. Geochimica et
Geochimica et Cosmochimica Acta	2019	0	Time and duration of chondrule formation: Constraints from 26Al-26Mg ages of individual chondrules. Pape J., Mezger K., Bouvier A.-S., Baumgartner L.P.
Geochimica et Cosmochimica Acta	2019	0	Triple oxygen and hydrogen isotopic study of hydrothermally altered rocks from the 2.43–2.41 Ga Vetreny belt, Russia: An insight into the early Paleoproterozoic
Geochimica et Cosmochimica Acta	2019	0	A new U-Pb age for shock-recrystallised zircon from the Lappajärvi impact crater, Finland, and implications for the accurate dating of impact events. Kenny, G.G.,
Geochimica et Cosmochimica Acta	2019	0	Chemical, microstructural and chronological record of phosphates in the Ksar Ghilane 002 enriched shergottite. Roszjar, J., Whitehouse, M.J., Terada, K., Fukuda,
Geological Magazine	2019	0	Mixed local and ultra-distal volcanic ash deposition within the Upper Cretaceous Kanguk Formation, Sverdrup Basin, Canadian Arctic Islands. Pointon, M.,
Geology	2019	0	A limited role for metasomatized subarc mantle in the generation of boron isotope signatures of arc volcanic rocks. Tamanilova, L., Savov, I.P., Harvey, J., de Hoog,
Geology	2019	0	A Yilgarn seed to the Pilbara Craton (Australia)? Evidence from inherited zircons. Andreas Petersson, Anthony I.S. Kemp, Martin J. Whitehouse. (2019) Geology, 47
Geology	2019	0	Extreme oxygen isotope zoning in garnet and zircon from a metachert block in mélange reveals metasomatism at the peak of subduction metamorphism. Page FZ,
Geology	2019	0	Extreme δ18O signatures in zircon from the Saglek Block (North Atlantic Craton) document reworking of mature supracrustal rocks as early as 3.5 Ga. Vezinet A,
Geology	2019	0	Evidence for molecular structural variations in the cytoarchitectures of a Jurassic plant. Qu, Y., McLoughlin, N., van Zuilen, M.A., Whitehouse, M.J., Engdahl, A.,
Geology	2019	0	First identification of postcollisional A-type magmatism in the Himalayan-Tibetan orogen. Lu-Lu Hao ; Qiang Wang ; Derek A. Wyman; Lin Ma; Jun Wang; Xiao-Ping
Geophysical Research Letters	2019	0	Coeval Early Ediacaran Breakup of Amazonia, Baltica, and Laurentia: Evidence From Micro-Baddeleyite Dating of Dykes From the Novillo Canyon, Mexico. Weber,
Geophysical Research Letters	2019	0	First Identification of Late Permian Nb-Enriched Basalts in Ailaoshan Region (SW Yunnan, China): Contribution From Emeishan Plume to Subduction of Eastern
Geophysical Research Letters	2019	0	Neoproterozoic Low-δ18O Zircons Revisited: Implications for Rodinia Configuration. Ding-Ling Huang ; Xiao-Lei Wang ; Xiao-Ping Xia ; Yu-Sheng Wan Feng-Feng
Geophysical Research Letters	2019	0	Rapid exhumation of Earth's youngest exposed granites driven by subduction of an oceanic arc. Spencer, C. J., Danišík, M., Ito, H., Hoiland, C., Tapster, S., Jeon, H.,
Geoscience Frontiers	2019	0	Coupled trace element and SIMS sulfur isotope geochemistry of sedimentary pyrite: Implications on pyrite growth of Caixiashan Pb-Zn deposit. Dengfeng Li,
Geoscience Frontiers	2019	0	New U-Pb-Hf zircon isotope data for the Paleoproterozoic Ubendian belt in the Chimala area, SW Tanzania. Thomas, R.J., Jacobs, J., Elburg, M.A., Mruma, A.,
Geosciences	2019	0	Re-Evaluating the Age of Deep Biosphere Fossils in the Lockne Impact Structure. Mikael Tillberg, Magnus Ivarsson, Henrik Drake, Martin J. Whitehouse, Ellen
Geosphere	2019	0	Geologic framework of the northern Indo-Burma Ranges and lateral correlation of Himalayan-Tibetan lithologic units across the eastern Himalayan syntaxis.
Geostandards and Geoanalytical Research	2019	0	H2O Content Measurement in Phengite by Secondary Mass Spectrometry: A New Set of Reference Material. Luisier C., Baumgartner L.P., Siron G., Vennemann T.,
Geostandards and Geoanalytical Research	2019	0	H2O Content Measurement in Phengite by Secondary Ion Mass Spectrometry: A New Set of Reference Materials. Luisier C., Baumgartner L.P., Siron G.,
Geostandards and Geoanalytical Research	2019	0	High-Mg# Olivine, Clinopyroxene and Orthopyroxene Reference Materials for In Situ Oxygen Isotope Determination. Tang, G-Q., Su, B-X., Li, Q-L., Xia, X-P., Jing, J-
Geostandards and Geoanalytical Research	2019	0	Off-Mount Calibration and One New Potential Pyrrhotite Reference Material for Sulfur Isotope Measurement by Secondary Ion Mass Spectrometry. Rucao Li,
Geostandards and Geoanalytical Research	2019	0	GHR1 Zircon – A New Eocene Natural Reference Material for Microbeam U-Pb Geochronology and Hf Isotopic Analysis of Zircon. Eddy, M.P., Ibanez-Mejia, M.,

Geothermics	2019	0	Geologic controls on the Muara Laboh geothermal system, Sumatra, Indonesia. Stimac, J., Sihotang, A. M., Mussofan, W., Baroek, M., Jones, C., Moore, J. N., &
GFF	2019	0	A refined U-Pb age for the Stockholm granite at Frescati, east-central Sweden. Åke Johansson, GFF, Volume 141 (2019) Issue 1, Pages 40-47,
GFF	2019	0	Pre-1.94 to post-1.88 Ga sediment depositional environment and c. 1.94 Ga felsic magmatism in the Knaften area, northern Sweden. Annika Wasström, Hannu
Gondwana Research	2019	0	Evidence of Early Cretaceous lower arc crust delamination and its role in the opening of the South China Sea. Ming Xiao, Yong-Jian Yao, Yue Cai, Hua-Ning Qiu, Yi-
Gondwana Research	2019	0	Zircon U-Pb age and Hf-O isotope insights into genesis of Permian Tarim felsic rocks, NW China: Implications for crustal melting in response to a mantle plume.
GSA Bulletin	2019	0	A sudden end-Permian mass extinction in South China. Shen, S.Z., Ramezani, J., Chen, J., Cao, C.Q., Erwin, D.H., Zhang, H., Xiang, L., Schoepfer, S.D., Henderson,
GSA Bulletin	2019	0	Magmatic response to the interplay of collisional and accretionary orogenies in the Korean Peninsula: Geochronological, geochemical, and O-Hf isotopic
GSA Bulletin	2019	0	Oxygen isotopic investigation of silicic magmatism in the Stillwater caldera complex, Nevada: Generation of large-volume, low-δ18O rhyolitic tuffs and assessment
GSA Bulletin	2019	0	Subduction polarity of the Ailaoshan Ocean (eastern Paleotethys): Constraints from detrital zircon U-Pb and Hf-O isotopes for the Longtan Formation. Xiao-Ping
GSA Bulletin	2019	0	U-Pb and oxygen isotope characteristics of Timanian- and Caledonian-age detrital zircons from the Brooks Range, Arctic Alaska, USA. Robinson, F.A., Toro, J.,
International Geology Review	2019	0	Five hundred million years of punctuated addition of juvenile crust during extension in the Goochland Terrane, central Appalachian Piedmont Province, Aaron J.
International Geology Review	2019	0	From the Libyan border to the Nile – Neoproterozoic magmatism and basement evolution of southern Egypt. Wen Zhang, Victoria Pease, Martin J. Whitehouse,
International Journal of Earth Sciences	2019	0	Gneiss-forming events in the Saglek Block, Labrador; a reappraisal of the Uivak gneiss. Anna Sałacińska, Monika A. Kusiak, Martin J. Whitehouse, Daniel J. Dunkley,
International Journal of Earth Sciences	2019	0	Permian-Triassic red-stained albitized profiles in the granitic basement of NE Spain: evidence for deep alteration related to the Triassic palaeosurface. Fabrega C.,
International Journal of Earth Sciences	2019	0	Petrology and U–Pb zircon age of the Variscan porphyroclastic Rand Granite at the southeastern margin of the Central Schwarzwald Gneiss Complex (Germany)
Journal of Analytical Atomic Spectrometry	2019	0	Sensitive and rapid oxygen isotopic analysis of nephrite jade using large-geometry SIMS. Schmitt A. K., Liu M.-C., and Kohl I. E. Journal of Analytical Atomic
Journal of Analytical Atomic Spectrometry	2019	0	Ultra-high precision silicon isotope micro-analysis using a Cameca IMS-1280 SIMS instrument by eliminating the topography effect. Liu, Y., Li, X.H.*, Tang, G.Q., Li,
Journal of Analytical Atomic Spectrometry	2019	0	Zircon water content: Reference material development and simultaneous measurement with oxygen isotope by SIMS. Xiao-Ping XIA*, Ze-Xian CUI, Wancai LI, Wan-
Journal of Archaeological Science	2019	0	Focus: Oxygen isotope microanalysis across incremental layers of human bone: Exploring archaeological reconstruction of short term mobility and seasonal
Journal of Archaeological Science	2019	0	Instrumental investigation of oxygen isotopes in human dental enamel from the Bronze Age battlefield site at Tollense, Germany. Price TD, Spicuzza MJ, Orland IJ
Journal of Asian Earth Sciences	2019	0	Timing of the termination of Sturtian glaciation: SIMS U-Pb zircon dating from South China. Wang, D., Zhu, X.K., Zhao, N.N., Yan, B., Li, X.H., Shi, F.Q., Zhang, F.F.,
Journal of Asian Earth Sciences	2019	0	Two kinds of authigenic xenotime overgrowths in response to an Early Paleozoic tectonothermal event in South China. Lan, Z.W., Li, X.H., Sano, Y., Takahata, N.,
Journal of Geochemical Exploration	2019	0	Ilmenites and their alteration products, sinkholes for uranium and radium in roll-front deposits after the example of South Tortkuduk (Kazakhstan), Thomas
Journal of Geophysical Research	2019	0	H-D Interdiffusion in Single-Crystal Olivine: Implications for Electrical Conductivity in the Upper Mantle. Sun, W., Yoshino, T., Kuroda, M., Sakamoto, N. and
Journal of Geophysical Research	2019	0	Hf and Nd Isotopic Constraints on Pre- and Syn-collisional Crustal Thickness of Southern Tibet. Alexander E. W., Wielicki M. M., Harrison T. M., DePaolo D. J., Zhao
Journal of Metamorphic Geology	2019	0	Oxygen isotope speedometry in granulite facies garnet recording fluid/melt-rock interaction (Sør Rondane Mountains, East Antarctica). Higashino F, Rubatto D,
Journal of Metamorphic Geology	2019	0	Neoproterozoic evolution and Cambrian reworking of ultrahigh temperature granulites in the Eastern Ghats Province, India. Mitchell, R.J., Johnson, T.E., Clark, C.,
Journal of Metamorphic Geology	2019	0	Oxygen isotope speedometry in granulite facies garnet recording fluid/melt-rock interaction (Sør Rondane Mountains, East Antarctica) Higashino F, Rubatto D,
Journal of Petrology	2019	0	Experimental melting of hydrothermally altered rocks: Constraints for the generation of low-δ18O rhyolites in the central Snake River Plain. Troch J., Ellis B.S.,
Journal of Petrology	2019	0	Age and Origin of Deep Crustal Meta-igneous Xenoliths from the Scottish Midland Valley: Vestiges of an Early Palaeozoic Arc and 'Newer Granite' Magmatism.
Journal of Petrology	2019	0	Lithium behaviour and isotope fractionation during fluid-rock interactions in Variscan oceanic suture zones: Limousin ophiolite and Ile de Groix high-pressure
Journal of Radioanalytical and Nuclear Chemistry	2019	0	State of practice and emerging application of analytical techniques of nuclear forensic analysis: highlights from the 5th Collaborative Materials Exercise of the
Journal of South American Earth Sciences	2019	0	Zircon in sak lu'um: Evidence of multiple Eocene silicic tephra layers as palygorskite precursors in the Yucatán peninsula, Mexico. Cisneros de León, A., Schmitt, A.
Journal of the Geological Society	2019	0	Chronology of the Saxothuringian subduction in the West Sudetes (Bohemian Massif, Czech Republic and Poland). Jiří Konopásek, Robert Anczkiewicz, Petr
Journal of the Geological Society	2019	0	Two Neoarchean tectonothermal events on the western edge of the North Atlantic Craton, as revealed by SIMS dating of the Saglek Block, Nain Province,
Journal of the Geological Society	2019	0	U-Pb detrital zircon ages used to infer provenance and tectonic setting of Late Triassic–Miocene sandstones related to the Tethyan development of Cyprus.
Journal of the Geological Society	2019	0	Nature, age and emplacement of the Spongtang ophiolite, Ladakh, NW India. Elizabeth J. Catlos, Emily C. Pease, Nick Dygert, Michael Brookfield, Winfried H.
Journal of Volcanology and Geothermal Research	2019	0	Constraints on the porosity, permeability and porous micro-structure of highly-crystalline andesitic magma during plug formation. Bain, A.A., Lamur, A., Kendrick, J.E., Lavallée, Y., Calder, E.S., Cortés, J.A., Butler, I.B. and Cortés, G.P. Journal of Volcanology and Geothermal Research, Volume 379, 15 July (2019), Pages 72-89. https://doi.org/10.1016/j.jvolgeores.2019.05.001; ;Journal of Volcanology and Geothermal Research
Journal of Volcanology and Geothermal Research	2019	0	Evolution in magma storage conditions beneath Kick-'em-Jenny and Kick-'em-Jack submarine volcanoes, Lesser Antilles arc. Michal Camejo-Harry, Elena
Journal of Volcanology and Geothermal Research	2019	0	Intrusive reawakening of El Chichón volcano prior to its Holocene eruptive hyperactivity. Alejandro Cisneros de León, Axel K.Schmitt. Journal of Volcanology and
Journal of Volcanology and Geothermal Research	2019	0	The Arce Tephra: Two subsequent paroxysmal Plinian eruptions from Coatepeque Caldera (El Salvador) Kutterolf, S., Schindlbeck- Belo, J.C., Rohr, I., Rademacher,
Lithos	2019	0	Constraining deformation phases in the Aar Massif and the Gotthard Nappe (Switzerland) using Th Pb crystallization ages of fissure monazite-(Ce). Ricchi E,
Lithos	2019	0	Adakite-like parental melt generation by partial fusion of juvenile lower crust, Sakarya Zone, NE Turkey: A far-field response to break-off of the southern
Lithos	2019	0	Age and compositional evolution of Sahand volcano in the context of post-collisional magmatism in northwestern Iran: Evidence for time-transgressive
Lithos	2019	0	Composite basement along the southern margin of the North Australian Craton: Evidence from in-situ zircon U-Pb-O-Hf and whole-rock Nd isotopic compositions.

Lithos	2019	0	Constraining deformation phases in the Aar Massif and the Gotthard Nappe (Switzerland) using Th-Pb crystallization ages of fissure monazite-(Ce). Ricchi E,
Lithos	2019	0	Hydrothermal apatite SIMS ThPb dating: Constraints on the timing of low-temperature hydrothermal Au deposits in Nibao, SW China. Maohong Chen, Leon Bagas,
Lithos	2019	0	Low δ18O magmas in the carboniferous intra-oceanic arc, central Tibet: Implications for felsic magma generation and oceanic arc accretion. Dan, W., Wang, Q., Li,
Lithos	2019	0	Millennial to decadal magma evolution in an arc volcano from zircon and tephra of the 2016 Santiaguito eruption (Guatemala). Cisneros de León, A., Schmitt, A.
Lithos	2019	0	Origin and significance of Early Miocene high potassium I-type granite plutonism in the East Anatolian plateau (the Taşlıçay intrusion) Gültekin Topuz, Osman
Lithos	2019	0	Sulfur isotope compositions of pyrite from high-pressure metamorphic rocks and related veins (SW Tianshan, China):Implications for the sulfur cycle in subduction
Marine and Petroleum Geology	2019	0	Hydrocarbons in silica: PVTX properties of fluids and the genesis of diamond quartz from Caravia-Berbes Fluorite district (Asturias, Spain). Levresse G., Tritlla J.,
Marine and Petroleum Geology	2019	0	Thermogenetic degradation of early zeolite cement: An important process for generating anomalously high porosity and permeability in deeply buried sandstone
Mediterranean Geoscience Reviews	2019	0	Ages and glass compositions for paired large-volume eruptions from the Acigöl volcanic complex, Cappadocia (Turkey). Atici, G., Schmitt, A. K., Friedrichs, B.,
Meteoritics & Planetary Science	2019	0	Linking shock textures revealed by BSE, CL, and EBSD with U-Pb data (LA-ICP-MS and SIMS) from zircon from the Araguainha impact structure, Brazil. Hauser, N.,
Meteoritics & Planetary Science	2019	0	Mineralogy and oxygen isotope systematics of magnetite grains and a magnetite-dolomite assemblage in hydrated fine-grained Antarctic micrometeorites.
Meteoritics & Planetary Science	2019	0	Oxygen and Al-Mg isotopic compositions of grossite-bearing refractory inclusions from CO3 chondrites. Steven B. Simon, Alexander N. Krot, Kazuhide Nagashima.
Meteoritics & Planetary Science	2019	0	Oxygen isotope systematics of chondrule olivine, pyroxene, and plagioclase in one of the most pristine CV3Red chondrites (Northwest Africa 8613). Hertwig AT,
Meteoritics & Planetary Science	2019	0	Oxygen isotopic and chemical composition of chromites in micrometeorites: Evidence of ordinary chondrite precursors. Rudraswami N. G., Marrocchi Y., Shyam
Meteoritics & Planetary Science	2019	0	Oxygen isotopic composition of an enstatite ribbon of probable cometary origin. Ogliore R. C., Brownlee D. E., Nagashima K., Joswiak D. J., Lewis J. B., Krot A. N.,
Meteoritics & Planetary Science	2019	0	Refractory inclusions in carbonaceous chondrites: Records of early solar system processes. Alexander N. Krot. Meteoritics & Planetary Science. Volume 54, Issue 8,
Meteoritics & Planetary Science	2019	0	Survivability of presolar oxygen isotopic signature of amorphous silicate dust in the protosolar disk. Daiki YAMAMOTO, Shogo TACHIBANA, Noriyuki KAWASAKI &
Meteoritics & Planetary Science	2019	0	Testing the genetic relationship between fluid alteration and brecciation in CM chondrites. Verdier-Paoletti M. J., Marrocchi Y., Vacher L. G., Gattacceca J.
Meteoritics & Planetary Science	2019	0	The Creston, California, meteorite fall and the origin of L chondrites. Jenniskens, P., Utas , J., Yin, Q.Z., Matson, R.D., Fries, M., Howell, J.A., Free, D., Albers, J.,
Meteoritics & Planetary Science	2019	0	The first samples from Almahata Sitta showing contacts between ureilitic and chondritic lithologies: Implications for the structure and composition of asteroid
Meteoritics & planetary science	2019	0	The Sariçiçek howardite fall in Turkey: Source crater of HED meteorites on Vesta and impact risk of Vestoids. Ozan ÜNSALAN, Peter Jenniskens, Qing-Zhu Yin, and
Meteoritics and Planetary Science	2019	0	The early geological history of the Moon inferred from ancient lunar meteorite Miller Range 13317. N. M. Curran, K. H. Joy, J. F. Snape, J. F. Pernet-Fisher, J. D.
Meteoritics and Planetary Science	2019	0	U-Pb SIMS ages of Apollo 14 zircon: Identifying distinct magmatic episodes. F. Thiessen, A. A. Nemchin, J. F. Snape, M. J. Whitehouse. Meteoritics and Planetary
Mineralium Deposita	2019	0	Cenozoic oxidation episodes in West Africa at the origin of the in situ supergene mineral redistribution of the primary uranium orebodies (Imouraren deposit, Tim
Mineralium Deposita	2019	0	Microchemical and sulfur isotope constraints on the magmatic and hydrothermal evolution of the Black Swan Succession, Western Australia. Caruso, S., Fiorentini,
Mineralium Deposita	2019	0	Tourmaline in the Passagem de Mariana gold deposit (Brazil) revisited: major-element, trace-element and B-isotope constraints on metallogenesis. Trumbull, R.,
Minerals	2019	0	Enigmatic alluvial sapphires from the Orosmayo Region, Jujuy Province, Northwest Argentina: Insights into their origin from in situ oxygen isotopes. Graham, I. T.,
Minerals	2019	0	Fingerprinting Paranesti Rubies through Oxygen Isotopes. Wang, K. K., Graham, I. T., Martin, L., Voudouris, P., Giuliani, G., Lay, A., Harris, S. J., & Fallick, A.
Minerals	2019	0	Further Characterization of the RW-1 Monazite: A New Working Reference Material for Oxygen and Neodymium Isotopic Microanalysis. Wu, L.G., Li, X.H., Ling,
Minerals	2019	0	Insights into B-Mg-Metasomatism at the Ranger U Deposit (NT, Australia) and Comparison with Canadian Unconformity-Related U Deposits. Gigon J., Skirrow R.
Minerals	2019	0	Origin and Age Determination of the Neotethys Meliata Basin Ophiolite Fragments in the Late Jurassic–Early Cretaceous Accretionary Wedge Mélange (Inner
Minerals	2019	0	Exceptional Preservation of Fungi as H2-Bearing Fluid Inclusions in an Early Quaternary Paleo-Hydrothermal System at Cape Vani, Milos, Greece. Ivarsson, M.,
NATURE	2019	0	Deep hydrous mantle reservoir provides evidence for crustal recycling before 3.3 billion years ago, Alexander V. Sobolev, Evgeny V. Asafov, Andrey A. Gurenko,
Nature	2019	0	Deep roots for mid-ocean-ridge volcanoes revealed by plagioclase-hosted melt inclusions. Bennett, E.N., Jenner F.E., Millet M., Cashman K.V., Lissenberg C.J.
Nature Astronomy	2019	0	Migration of D-type asteroids from the outer Solar System inferred from carbonate in meteorites. Fujiya W., Hoppe P., Ushikubo T., Fukuda K., Lindgren P., Lee M.
Nature Communications	2019	0	Metamorphic pressure variation in a coherent Alpine nappe challenges lithostatic pressure paradigm. Luiser C., Baumgartner L.P., Schmalholz S.M., Siron G.,
Nature Communications	2019	0	Metamorphic pressure variation in a coherent Alpine nappe challenges lithostatic pressure paradigm. Cindy Luisier, Lukas Baumgartner, Stefan M. Schmalholz,
Nature Communications	2019	0	Timing and origin of natural gas accumulation in the Siljan impact structure, Sweden. Drake, H., Roberts, N.M.W., Heim, C., Whitehouse, M.J., Slijeström, S.,
Nature Communications	2019	0	Tiny droplets of ocean island basalts unveil Earth's deep chlorine cycle. Hanyu T., Shimizu K., Ushikubo T., Kimura J.-I., Chang Q., Hamada M., Ito M., Iwamori H.,
Nature Geoscience	2019	0	Palaeoarchaean deep mantle heterogeneity recorded by enriched plume remnants. Chao Wang, Shuguang Song, Chunjing Wei, Li Su, Mark B. Allen, Yaoling Niu,
Nature ISME	2019	0	Untangling hidden nutrient dynamics: rapid ammonium cycling and single-cell ammonium assimilation in marine plankton communities. Isabell Klawonn, Stefano
Ore Geology Reviews	2019	0	Multistage processes linked to tectonic transition in the genesis of orogenic gold deposit: A case study from the Shanggong lode deposit, East Qinling, China. Li
Ore Geology Reviews	2019	0	Ore genesis of Axi post-collisional epithermal gold deposit, western Tianshan, NW China: constraints from U–Pb dating, Hf isotopes, and pyrite in situ sulfur
Ore Geology Reviews	2019	0	Origin of the atypical Puy-les-Vignes W breccia pipe (Massif Central, France) constrained by trace element and boron isotopic composition of tourmaline. Harlaux
Ore Geology Reviews	2019	0	Origin, age and petrogenesis of barren (low-grade) granitoids from the Bezenjan-Bardsir magmatic complex, southeast of the Urumieh-Dokhtar magmatic belt,
Ore Geology Reviews	2019	0	Tracing water-rock interaction in carbonate replacement deposits: A SIMS pyrite S-Pb isotope perspective from the Chinese Xinqiao system. Yang Li, Qiu-Li Li, Jin-
PNAS	2019	0	Organism motility in an oxygenated shallow-marine environment 2.1 billion years ago. El Albani A., Mangano M. G., Buatois L. A., Bengtson S., Riboulleau A.,

PNAS	2019	0	Rapid condensation of the first Solar System solids. Yves Marrocchi, Johan Villeneuve, Emmanuel Jacquet, Maxime Piralla, and Marc Chaussidon, PNAS, November
PNAS	2019	0	Redox control on nitrogen isotope fractionation during planetary core formation. Dalou C., Füri E., Deligny C., Piani L., Caumon M.-C., Laumonier M., Boulliung J.,
PNAS	2019	0	Boron–oxygen complex yields n-type surface layer in semiconducting diamond. Liu X, Chen X, Singh DJ, Stern RA, Wu J, Petitgirard S, Bina C, Jacobsen SD, PNAS
Precambrian Research	2019	0	Conflicting zircon vs. titanite U-Pb age systematics and the deposition of the host volcanic sequence to Kiruna-type and IOCG deposits in northern Sweden,
Precambrian Research	2019	0	Eoarchaean tectonics: New constraints from high pressure-temperature experiments and mass balance modelling. Hastie A. R., and Fitton J. G. Precambrian
Precambrian Research	2019	0	Evidence for Archean crust in Iran provided by ca 2.7 Ga zircon xenocrysts within amphibolites from the Sanandaj–Sirjan zone, Zagros orogen. Shakerardakani, F.,
Precambrian Research	2019	0	Neoproterozoic magmatic and metamorphic events in the Cuchilla Dionisio Terrane, Uruguay, and possible correlations across the South Atlantic. Will, T.M.,
Precambrian Research	2019	0	The evolution of the Arabian-Nubian Shield and survival of its zircon U-Pb-Hf-O isotopic signature: A tale from the Um Had Conglomerate, central Eastern Desert,
Precambrian Research	2019	0	Tracking mineralisation with in situ multiple sulphur isotopes: a case study from the Fraser Zone, Western Australia. Walker, A. T., Evans, K. A., Kirkland, C. L.,
Precambrian Research	2019	0	Zircon U–Pb, Lu–Hf and O isotopes from the 3414 Ma Strelley Pool Formation, East Pilbara Terrane, and the Palaeoarchaean emergence of a cryptic cratonic core.
Proceedings of the National Academy of Sciences	2019	0	Resolving seasonal rainfall changes in the Middle East during the last interglacial period. Orland IJ, He F, Bar-Matthews M, Chen G, Ayalon A and Kutzbach JE
Publications Office of the European Union	2019	0	NUSIMEP-9: Uranium isotope amount ratios and uranium mass in uranium micro-particles, Célia Venchiarutti, Stephan Richter, Ronald Middendorp, Yetunde
Quaternary Science Reviews	2019	0	Volcanic eruption eye-witnessed and recorded by prehistoric humans. Inan Ulusoy, M. Akif Sarıkaya, Axel K. Schmitt, Erdal Şen, Martin Danišík, Erdal Gümüşe.
Rapid Communications in Mass Spectrometry	2019	0	High-precision in situ silicon isotopic analyses by multi-collector secondary ion mass spectrometry in olivine and low-calcium pyroxene, Johan Villeneuve, Marc
Science	2019	0	Sulfur isotopes in diamonds reveal differences in continent construction. Smit KV, Shirey SB, Hauri EH, Stern RA, Science (2019) Vol. 364, Issue 6438, pp. 383-385.
SCIENCE ADVANCES	2019	0	Aluminum-26 chronology of dust coagulation and early solar system evolution, M.-C. Liu, J. Han, A. J. Brearley, A. T. Hertwig, Sci. Adv. 2019; 5:eaaw3350, DOI:
Science Advances	2019	0	Delivery of carbon, nitrogen, and sulfur to the silicate Earth by a giant impact. Grewal, D.S., Dasgupta, R., Sun, C., Tsuno, K., and Costin, G. Science Advances, Jan
Science Advances	2019	0	Aluminum-26 chronology of dust coagulation and early solar system evolution. Liu M.-C., Han J., Brearley A. J., and Hertwig A. T. Science Advances, Sep (2019) Vol.
Scientific Reports	2019	0	Crustal CO2 contribution to subduction zone degassing recorded through calc-silicate xenoliths in arc lavas. Sean Whitley, Ralf Gertisser, Ralf Halama, Katie
Scientific Reports	2019	0	Evidence for a dominantly reducing Archaean ambient mantle from two redox proxies, and low oxygen fugacity of deeply subducted oceanic crust. Sonja Aulbach,
Scientific Reports	2019	0	Garnet U-Pb and O isotopic determinations reveal a shear-zone induced hydrothermal system. Zhongjiang Zang, Leilei Dong, Wei Liu, Han Zhao, Xinshui Wang,
Scientific Reports	2019	0	Isotopic evidence for temperate oceans during the Cambrian Explosion. Thomas Wotte, Christian B. Skovsted, Martin J. Whitehouse & Artem Kouchinsky.
Scientific Reports	2019	0	Nitrate and ammonium fluxes to diatoms and dinoflagellates at a single cell level in mixed field communities in the sea. Malin Olofsson, Elizabeth K. Robertson,
Sedimentary Geology	2019	0	Provenance and magmatic-tectonic setting of Campanian-aged volcaniclastic sandstones of the Kannaviou Formation in western Cyprus: Evidence for a South-
Solid Earth	2019	0	An anticlockwise metamorphic P-T path and nappe stacking in the Reisa Nappe Complex in the Scandinavian Caledonides, northern Norway: evidence for
Surface and Interface Analysis	2019	0	A new Chinese national reference material (GBW04481) for calcite oxygen and carbon isotopic microanalysis. Tang, G-Q, Li, X-H, Li, Q-L, Liu, Y, Ling, X-X. Surf
Surface and Interface Analysis	2019	0	Optimization of SIMS analytical parameters for water content measurement of olivine, Zhang, W-F, Xia, X-P, Eiichi, T, et al, Surface and Interface Analysis. 2019;
Tectonics	2019	0	Structural and Geochronological Constraints on Devonian Suprasubduction Tectonic Switching and Permian Collisional Dynamics in the Chinese Altai, Central Asia.
Terra Nova	2019	0	Oxygen isotope disequilibrium during serpentine dehydration. Lafay R., Baumgartner L.P., Putlitz P., Siron G. (2019) Terra Nova, 31, 94-101,
Terra Nova	2019	0	Oxygen isotope disequilibrium during serpentinite dehydration. Lafay R., Baumgartner L.P., Putlitz P., Siron G. Terra Nova. Volume 31, Issue 2, April (2019) Pages
The Astrophysical Journal Letters	2019	0	Thermal Evolution of Hydrated Asteroids Inferred from Oxygen Isotopes. Vacher L. G., Piralla M., Gounelle M., Bizzaro M., Marrocchi Y. The Astrophysical Journal
The Oldest Terrestrial Mineral Record	2019	0	The Oldest Terrestrial Mineral Record: Thirty Years of Research on Hadean Zircon From Jack Hills, Western Australia. Aaron J. Cavosie, John W. Valley and Simon
0	2019	0	Dolomitization of the Middle Bakken Tight-oil Reservoir (Late Devonian – Early Mississippian, Williston Basin) [Unpublished report of findings - available on
Journal of Petrology	2018	0	Zircon as a Proxy for the Magmatic Evolution of Proterozoic Ferroan Granites; the Wiborg Rapakivi Granite Batholith, SE Finland. Aku P Heinonen, O Tapani Rämö,
2018). Geological Survey of Finland	2018	0	Detrital zircon ages and geochemistry of the metasedimentary rocks along the south-eastern boundary of the Central Finland Granitoid Complex. Mikkola, P.,
American Journal of Science	2018	0	Coupled Precambrian crustal evolution and supercontinent cycles: Insights from in-situ U-Pb, O- and Hf-isotopes in detrital zircon, NW india. Wang, Wei; Cawood,
American Mineralogist	2018	0	High spatial resolution analysis of the iron oxidation state in silicate glasses using the electron probe. Hughes E. C., Buse B., Kearns, S. L., Blundy J.D., Kilgour G.,
American Mineralogist	2018	0	Pressure, temperature, water content, and oxygen fugacity dependence of the Mg grain-boundary diffusion coefficient in forsterite. Fei, H., Koizumi, S., Sakamoto,
American Mineralogist	2018	0	Questioning the biogenicity of Neoproterozoic superheavy pyrite by SIMS. Huan Cui, Kouki Kitajima, Michael J. Spicuzza, John H. Fournelle, Adam Denny, Akizumi
American Mineralogist	2018	0	Stability of Al-bearing superhydrous phase B at the mantle transition zone and the uppermost lower mantle. Kakizawa, S., Inoue, T., Nakano, H., Kuroda, M.,
American Mineralogist	2018	0	The role of crustal melting in the formation of rhyolites: Constraints from SIMS oxygen isotope data (Chon Aike Province, Patagonia, Argentina) Seitz S., Putlitz B.,
American Mineralogist	2018	0	Water diffusion in silica glass through pathways formed by hydroxyls. Kuroda, M., Tachibana, S., Sakamoto, N., Okumura, S., Nakamura, M. and Yurimoto, H.
American Mineralogist	2018	0	Archaean hydrothermal fluid modified zircons at Sunrise Dam and Kanowna Belle gold deposits, Western Australia: Implications for post-magmatic fluid activity
American Mineralogist	2018	0	First measurements of OH-C exchange and temperature-dependent partitioning of OH and halogens in the system apatite–silicate melt. Riker, J., Humphreys,
Applied Geochemistry	2018	0	Isotopic constraints on fluid evolution and ore precipitation in a sediment-hosted Pb-Ag-Ba-Zn-Cu-Au deposit in the Capricorn Orogen, Western Australia.
Archaeological Science	2018	0	A 200-year archaeozoological record of Pacific cod (Gadus macrocephalus) life history as revealed through ion microprobe oxygen isotope ratios in otoliths. Helser
Astrobiology	2018	0	Searching for the Great Oxidation Event in North America: A Reappraisal of the Huronian Supergroup by SIMS Sulfur Four-Isotope Analysis. Cui H, Kitajima K,

Bulletin of Volcanology	2018	0	Geochemical and textural constraints on degassing processes in sub-Plinian eruptions: case-study of the Greenish Pumice eruption of Mount Somma-Vesuvius.
Cambridge University Press	2018	0	Thermal histories of chondrules: petrologic observations and experimental constraints. Jones R. H., Villeneuve J., Libourel G. Publisher: Cambridge University Press
Chemical Geology	2018	0	A new paradigm for δ18O in coral skeleton oxygen isotope fractionation response to biological kinetic effects. Juillet-Leclerc A., Rollion-Bard C., Reynaud S.,
Chemical Geology	2018	0	A tonalitic analogue to ancient detrital zircon. Kielman, R.B., Whitehouse, M., Nemchin, A., Kemp. A. (2018). Chemical Geology 499, pages 43-57.
Chemical Geology	2018	0	Belingwe komatiites (2.7 Ga) originate from a plume with moderate water content, as inferred from inclusions in olivine. Asafov E. V., Sobolev A. V., Gurenko A.
Chemical Geology	2018	0	Birimian crustal growth in the West African Craton: U-Pb, O and Lu-Hf isotope constraints from detrital zircon in major rivers. Andreas Petersson, Anders
Chemical Geology	2018	0	Comparison of δ18O analyses on individual planktic foraminifer (Orbulina universa) shells by SIMS and gas-source mass spectrometry. Jody B. Wycech, Daniel Clay
Chemical Geology	2018	0	Constraining the timing and sources of volcanism at the Apollo 12 landing site using new Pb isotopic compositions and crystallisation ages. Joshua F.Snape, Bart
Chemical Geology	2018	0	Evaluating baddeleyite oxygen isotope analysis by secondary ion mass spectrometry (SIMS) Davies JHFL, Stern RA, Heaman LM, Moser D, Walton EL, Vennemann
Chemical Geology	2018	0	Geochronology of Hadean zircon grains from the Jack Hills, Western Australia constrained by quantitative scanning ion imaging. Bellucci, J.J., Nemchin, A.A.,
Chemical Geology	2018	0	Insights into sulfur cycling at subduction zones from in-situ isotopic analysis of sulfides in high-pressure serpentinites and 'hybrid' samples from Alpine Corsica.
Chemical Geology	2018	0	Juxtaposition of allochthonous terranes in the central Korean Peninsula: Evidence from zircon U-Pb ages and O-Hf isotopes in Jurassic granitoids. Jo, H.J., Cheong,
Chemical Geology	2018	0	Metasomatism in the sub-continental lithospheric mantle beneath the south French Massif Central: Constraints from trace elements, Li and H in peridotite
Chemical Geology	2018	0	Mineral inclusion assemblage and detrital zircon provenance. Elizabeth A. Bell, Patrick Boehnke, T. Mark Harrison, Matthew M. Wielicki. Chemical Geology.
Chemical Geology	2018	0	Nitrogen abundance and isotope analysis of silicate glasses by secondary ionization mass spectrometry. Füri E., Deloule E., Dalou C. Chemical Geology (2018)
Chemical Geology	2018	0	Origin of volatiles emitted by Plinian mafic eruptions of the Chikurachki volcano, Kurile arc, Russia: Trace element, boron and sulphur isotope constraints. Gurenko
Chemical Geology	2018	0	Peak to post-peak thermal history of the Saglek Block of Labrador: A multiphase and multi-instrumental approach to geochronology. Kusiak, M.A., Dunkley, D.J.,
Chemical Geology	2018	0	Reprint of Silicate-sulfide liquid immiscibility in modern arc basalt (Tolbachik volcano, Kamchatka): Part II. Composition, liquidus assemblage and fractionation of
Chemical Geology	2018	0	Silicate-sulfide liquid immiscibility in modern arc basalt (Tolbachik volcano, Kamchatka): Part I. Occurrence and compositions of sulfide melts. Zelenski M.,
Chemical Geology	2018	0	The effect of ocean acidification on tropical coral calcification: Insights from calcification fluid DIC chemistry. Allison N, Cole C, Hintz C, Hintz K., Rae J. & Finch AA.
Chemical Geology	2018	0	U-series disequilibria in minerals from Gandak River sediments (Himalaya) Bosia C., Chabaux F., Pelt E., Cogez A., Stille P., Deloule E., France-Lanord C. Chemical
Chemical Geology	2018	0	Volatile concentrations in olivine-hosted melt inclusions from meimechite and melanephelinite lavas of the Siberian Traps Large Igneous Province: Evidence for
Chemical Science	2018	0	Cost-effective 17O enrichment and NMR spectroscopy of mixed-metal terephthalate metal-organic frameworks. Bignami G.P.M., Davis Z.H., Dawson D.M., Morris
Clay Minerals	2018	0	Clay minerals related to the late magmatic activity of the Piton des Neiges (Réunion Island): consequence for the primitive crusts. Berger G., Beaufort D. , Antoine
Contributions to Mineralogy	2018	0	Near-solidus melts of MORB + 4 wt% H2O at 0.8-2.8 GPa applied to issues of subduction magmatism and continent formation. Thomas W. Sisson, Peter B.
Contributions to Mineralogy and Petrology	2018	0	Carbon and nitrogen isotope, and mineral inclusion studies on the diamonds from the Pozanti–Karsanti chromitite, Turkey. Lian, D., Yang, J., Wiedenbeck, M.,
Contributions to Mineralogy and Petrology	2018	0	Constraining magma sources using primitive olivine-hosted melt inclusions from Puñalica and Sangay volcanoes (Ecuador). Narvaez D. F., Rose-Koga E., Samaniego
Contributions to Mineralogy and Petrology	2018	0	Decoding protracted zircon geochronological record in ultra-high temperature granulite, and persistence of partial melting in the crust, Rogaland, Norway.
Contributions to Mineralogy and Petrology	2018	0	Deep pre-eruptive storage of silicic magmas feeding Plinian and dome-forming eruptions of central and northern Dominica (Lesser Antilles) inferred from volatile
Contributions to Mineralogy and Petrology	2018	0	Diamond formation during metasomatism of mantle eclogite by chloride-carbonate melt. Zedgenizov, D.A., Ragozin, A.L., Shatsky, V.S., Griffin, W.L. Contributions
Contributions to Mineralogy and Petrology	2018	0	Magma evolution beneath Bequia, Lesser Antilles, deduced from petrology of lavas and plutonic xenoliths. Camejo-Harry, M, Melekhova, E, Blundy, J, Attridge, W,
Contributions to Mineralogy and Petrology	2018	0	Melt inclusion constraints on petrogenesis of the 2014–2015 Holuhraun eruption, Iceland. Hartley, S.E., Bali, E., Maclennan, J., Neave, D.A., Hallforsson, S.A.
Contributions to Mineralogy and Petrology	2018	0	Melt inclusion constraints on volatile systematics and degassing history of the 2014–2015 Holuhraun eruption, Iceland. Bali, E., Hartley, M.E., Halldorsson, S.A.,
Contributions to Mineralogy and Petrology	2018	0	Metasomatism and the crystallization of zircon megacrysts in Archaean peridotites from the Lewisian complex, NW Scotland. Faithfull J. W., Dempster T.J.,
Contributions to Mineralogy and Petrology	2018	0	Origins and evolution of rhyolitic magmas in the central Snake River Plain: insights from coupled high-precision geochronology, oxygen isotope, and hafnium
Contributions to Mineralogy and Petrology	2018	0	Petrology and geochemistry of the 2014–2015 Holuhraun eruption, central Iceland: compositional and mineralogical characteristics, temporal variability and
Contributions to Mineralogy and Petrology	2018	0	Significance of OH, F and Cl content in biotite during metamorphism of the Western Adamello contact aureole. Siron G., Baumgartner L. P., Bouvier A.-S.
Contributions to Mineralogy and Petrology	2018	0	Source component mixing controls the variability in Cu and Au endowment along the strike of the Eastern Andean Cordillera in Peru. T. Angerer, A.I.S. Kemp, S.G.
Contributions to Mineralogy and Petrology	2018	0	The 2011 eruption of Nabro volcano, Eritrea: perspectives on magmatic processes from melt inclusions. Donovan, A., Blundy, J., Oppenheimer, C., Buisman, I.
Contributions to Mineralogy and Petrology	2018	0	Tracking the P–T path of Precambrian eclogite using pseudosection, Ti-in-quartz and Zr-in-rutile thermobarometry. Tual, L., Möller, C., Whitehouse, M.J. (2018).
Contributions to Mineralogy and Petrology	2018	0	U–Pb isotopic dating of titanite microstructures: potential implications for the chronology and identification of large impact structures. Papapavlou, K., Darling,
Contributions to Mineralogy and Petrology	2018	0	Enrichment of 18O in the mantle sources of the Antarctic portion of the Karoo large igneous province. Jussi S. Heinonen, Arto V. Luttinen, Martin J. Whitehouse.
Contributions to Mineralogy and Petrology	2018	0	The dark side of zircon: textural, age, oxygen isotopic and trace element evidence of fluid saturation in the subvolcanic reservoir of the Island Park-Mount Jackson
Data in Brief	2018	0	LA-ICP-MS and SIMS U-Pb and U-Th zircon geochronological data of Late Pleistocene lava domes of the Ciomadul Volcanic Dome Complex (Eastern Carpathians)
Deep Sea Research Part I	2018	0	Life history of abyssal and hadal fishes from otolith growth zones and oxygen isotopic compositions. Gerringer M. E., Andrews A. H., Huss G. R., Nagashima K.,
Deep Sea Research Part II	2018	0	Petrogenesis of alkalic seamounts on the Galápagos Platform. Schwartz, D.M., Wanless, V.D., Berg, R., Jones, M., Foman, D.J., Soule, S.A., Lytle, M.L., and Carey, S.
Dental Materials	2018	0	44Ca doped remineralization study on dentin by isotope microscopy. Hiraishi, N., Kobayashi, S., Yurimoto, H. and Tagami, J. Dental Materials (2018) Volume 34,

Earth and Planetary Science Letters	2018	0	Ancient volcanism on the Moon: Insights from Pb isotopes in the MIL 13317 and Kalahari 009 lunar meteorites. Snape, J.F., Curran, N.M., Whitehouse, M.J.,
Earth and Planetary Science Letters	2018	0	Calcium and titanium isotopes in refractory inclusions from CM, CO, and CR chondrites. Kööp L., Davis A. M., Krot A. N., Nagashima K., and Simon S. B. Earth and
Earth and Planetary Science Letters	2018	0	Diffusion geospeedometry in natural and experimental shear zones. Nachlas, W.O., Teyssier, C., Whitney, D.L, and Hirth, G. Earth and Planetary Science Letters,
Earth and Planetary Science Letters	2018	0	High-precision Al-Mg isotopic systematics in USNM 3898 - The benchmark “ALL” for initial 87 Sr/ 86 Sr in the earliest Solar System. Earth and Planetary Science
Earth and Planetary Science Letters	2018	0	Hydrogen isotopic composition of water in CV-type carbonaceous chondrites. Piani L., Marrocchi Y. Earth and Planetary Science Letters (2018) Volume 504, Pages
Earth and Planetary Science Letters	2018	0	Hydrothermally-altered mafic crust as source for early Earth TTG: Pb/Hf/O isotope and trace element evidence in zircon from TTG of the Eoarchean Saglek Block,
Earth and Planetary Science Letters	2018	0	Instability of the southern Canadian Shield during the late Proterozoic. Kalin T. McDannell, Peter K. Zeitler, and David A. Schneider. Earth and Planetary Science
Earth and Planetary Science Letters	2018	0	Ion microprobe δ18O analyses to calibrate slow growth rate speleothem records with regional δ18O records of precipitation. David Domínguez-Villar, Sonja Lojen,
Earth and Planetary Science Letters	2018	0	Magma ascent and lava flow emplacement rates during the 2011 Axial Seamount eruption based on CO2 degassing. Jones, M.R., Soule, S.A., Gonnermann, H.M.,
Earth and Planetary Science Letters	2018	0	Mg lattice diffusion in iron-free olivine and implications to conductivity anomaly in the oceanic asthenosphere. Fei, H., Koizumi, S., Sakamoto, N., Hashiguchi, M.,
Earth and Planetary Science Letters	2018	0	Multi fluid-flow record during episodic mode I opening: A microstructural and SIMS study (Cotiella Thrust Fault, Pyrenees) Lacroix, B., Vennemann T.,
Earth and Planetary Science Letters	2018	0	Nitrogen solubility in the deep mantle and the origin of Earth's primordial nitrogen budget. Yoshioka, T., Wiedenbeck, M., Shcheka, S., Keppler, H. Earth and
Earth and Planetary Science Letters	2018	0	Oxygen isotopic diversity of chondrule precursors and the nebular origin of chondrules. Marrocchi Y., Villeneuve J., Batanova V., Piani L., Jacquet E. Earth and
Earth and Planetary Science Letters	2018	0	Pb evolution in the Martian mantle. Bellucci, J.J., Nemchin, A.A., Whitehouse, M.J., Snape, J.F., Bland, P., Benedix, G.K., Roszjar, J. Earth and Planetary Science
Earth and Planetary Science Letters	2018	0	Petrogenesis and tectonics of the Acasta Gneiss Complex derived from integrated petrology and 142Nd and 182W extinct nuclide-geochemistry. Reimink JR,
Earth and Planetary Science Letters	2018	0	Sulfur isotope and PGE systematics of metasomatised mantle wedge. Rielli A., Tomkins A., Nebel O., Raveggi M, Jeon H., Martin L., Avila J. Earth and Planetary
Earth and Planetary Science Letters	2018	0	Supercritical fluid in the mantle transition zone deduced from H–D interdiffusion of wadsleyite. Sun, W., Yoshino, T., Sakamoto, N. and Yurimoto, H. Earth and
Earth and Planetary Science Letters	2018	0	The role of melt composition on aqueous fluid vs. silicate melt partitioning of bromine in magmas. Cadoux A., Iacono-Marziano G., Scaillet B., Aiuppa A., Mather T.
Earth and Planetary Science Letters	2018	0	Zircon petrochronology reveals the timescale and mechanism of anatectic magma formation. Farina F., Dini A., Ovtcharova M., Davies J., Greber N., Bouvier A.-S.,
Earth-Science Reviews	2018	0	Magmatic evolution of the Campi Flegrei and Procida volcanic fields, Italy, based on interpretation of data from well-constrained melt inclusions. Esposito, R.,
Ecohydrology	2018	0	Freshwater pearl mussels as a stream water stable isotope recorder. Pfister L., Thielen F., Deloule E., Valle N., Lentzen E., Grave C., Beisel J.-N., McDonnell J. J.
Economic Geology	2018	0	The Karouni Gold Deposit, Guyana, South America: Part II. Hydrothermal Alteration and Mineralization. Tedeschi, M; Hagemann, SG; Roberts, MP; Evans, NJ.
Environmental Science & Technology	2018	0	Incorporation of Metals into Calcite in a Deep Anoxic Granite Aquifer. Henrik Drake, Frédéric A. Mathurin, Thomas Zack, Thorsten Schäfer, Nick MW Roberts,
Eos Transactions American Geophysical Union	2018	0	Making maps on a micrometer scale. Linzmeier BJ, Kitajima K, Denny AC and Cammack JN. Eos Transactions American Geophysical Union 99, May (2018). DOI:
European Journal of Mineralogy	2018	0	Assessment of O and Fe isotope heterogeneity in garnet from Kakanui (New Zealand) and Erongo (Namibia) Urosevic M., Nebel O., Padron-Navarta J.A., Rubatto
Frontiers in Earth Science	2018	0	A NanoSIMS Investigation on Timescales Recorded in Volcanic Quartz From the Silicic Chon Aike Province (Patagonia) Seitz S., Putlitz B., Baumgartner L., Meibom
Frontiers in Earth Science	2018	0	Stability of Zircon and Its Isotopic Ratios in High-Temperature Fluids: Long-Term (4 months) Isotope Exchange Experiment at 850°C and 50 Mpa. Bindeman I. N.,
Geobiology	2018	0	Unprecedented 34S-enrichment of pyrite formed following microbial sulfate reduction in fractured crystalline rocks. Drake, H., Whitehouse, M., Heim, C., Reiners,
Geochem. Persp. Letters	2018	0	An oxygen isotope test for the origin of Archean mantle roots, M.E. Regier, A. Miškovic, R.B. Ickert, D.G. Pearson, T. Stachel, R.A. Stern, M. Kopylova, Geochem.
Geochemical Journal	2018	0	High-precision in situ analysis of Pb isotopes in melt inclusions by LA-ICP-MS and application of Independent Component Analysis. Hamada M., Kimura J.-I., Chang
Geochemical Perspectives Letters	2018	0	An oxygen isotope test for the origin of Archean mantle roots. Regier ME, Miskovic A, Ickert RB, Pearson DG, Stachel T, Stern RA, Kopylova M, Geochemical
Geochemical Perspectives Letters	2018	0	Hadean geodynamics inferred from time-varying 142Nd/144Nd in the early Earth rock record. Saji, N.S., Larsen, K., Wielandt, D., Schiller, M., Costa, M.,
Geochemical Perspectives Letters	2018	0	Diffusive fractionation of Li isotopes in wet, highly silicic melts. Holycross M. E., Watson E. B., Richter F. M., Villeneuve J. Geochemical Perspectives Letters (2018)
Geochemical Perspectives Letters	2018	0	Silicon and oxygen isotopes unravel quartz formation processes in the Icelandic crust. Kleine, B.I., Stefánsson, A., Halldórsson, S.A., Whitehouse, M.J., Jónasson, K.
Geochemistry International	2018	0	Carbon Isotope Composition of Diamond Crystals Grown Via Redox Mechanism. Reutsky, V. N., Palyanov, Y. N., Wiedenbeck, M. Geochemistry International
Geochemistry, Geophysics, Geosystems	2018	0	Combined Effects of Gametogenic Calcification and Dissolution on δ18O Measurements of the Planktic Foraminifer Trilobatus sacculifer. Wycech JB, Kelly DC,
Geochemistry, Geophysics, Geosystems	2018	0	Pervasive Eclogitization Due to Brittle Deformation and Rehydration of Subducted Basement: Effects on Continental Recycling? Martin Engi, Francesco Giuntoli,
Geochemistry, Geophysics, Geosystems	2018	0	Submarine Deep-Water Lava Flows at the Base of the Western Galápagos Platform. Anderson, M.A., Wanless, V.D., Schwartz, D.M., McCully, E., Fornari, D.J.,
Geochemistry, Geophysics, Geosystems	2018	0	The Final Stages of Slip and Volcanism on an Oceanic Detachment Fault at 13°48’N, Mid-Atlantic Ridge. Parnell-Turner, R.E., Mittelstaedt, E., Kurz, M.D., Jones,
Geochemistry, Geophysics, Geosystems	2018	0	Three-Dimensional Spatially Constrained Sulfur Isotopes Highlight Processes Controlling Sulfur Cycling in the Near Surface of the Iheya North Hydrothermal
Geochimica et Cosmochimica Acta	2018	0	A multielement isotopic study of refractory FUN and F CAIs: Mass-dependent and mass-independent isotope effects. Kööp L., Nakashima D., Heck P. R., Kita N. T.,
Geochimica et Cosmochimica Acta	2018	0	Apollo 12 breccia 12013: Impact-induced partial Pb loss in zircon and its implications for lunar geochronology. Thiessen, F., Nemchin, A.A., Snape, J.F., Bellucci,
Geochimica et Cosmochimica Acta	2018	0	Barium isotopic composition of the upper continental crust. Nan, X.Y., Yu, H.M., Rudnick, R.L., Gaschnig, R.M., Xu, J., Li, W.Y., Zhang, Q., Jin, Z.D., Li, X.H., Huang, F.,
Geochimica et Cosmochimica Acta	2018	0	Chemical 3D-imaging of glass inclusions from allende (CV3) olivine via SIMS: A new insight on chondrule formation conditions. Florentin L., Deloule E., Faure F.,
Geochimica et Cosmochimica Acta	2018	0	Collisional and alteration history of the CM parent body. Vacher L., Marrocchi Y., Villeneuve J., Verdier-Paoletti M. J., Gounelle M. Geochimica et Cosmochimica
Geochimica et Cosmochimica Acta	2018	0	Core-mantle fractionation of carbon in Earth and Mars: The effects of sulfur. Tsuno, K., Grewal, D.S., and Dasgupta, R. Geochimica et Cosmochimica Acta, Volume
Geochimica et Cosmochimica Acta	2018	0	Corrigendum to ;On progress and rate of the peritectic reaction Fo + SiO2 → En in natural andesitic arc magmas; [Geochim. Cosmochim. Acta 185 (2016) 383-393]

Geochimica et Cosmochimica Acta	2018	0	Crystal growth and disequilibrium distribution of oxygen isotopes in an igneous Ca-Al-rich inclusion from the Allende carbonaceous chondrite. Kawasaki, N.,
Geochimica et Cosmochimica Acta	2018	0	Evidence for oxidation at the base of the nakhlite pile by reduction of sulfate salts at the time of lava emplacement. Dottin J. W., Labidi J., Farquhar J., Piccoli P.,
Geochimica et Cosmochimica Acta	2018	0	Experimentally determined subsolidus metal-olivine element partitioning with applications to pallasites. Donohue P. H., Hill E. and Huss G. R. Geochimica et
Geochimica et Cosmochimica Acta	2018	0	Formation of chondrules in a moderately high dust enriched disk: Evidence from oxygen isotopes of chondrules from the Kaba CV3 chondrite. Andreas T. Hertwig,
Geochimica et Cosmochimica Acta	2018	0	In situ 60Fe60Ni systematics of chondrules from unequilibrated ordinary chondrites. Telus M., Huss G. R., Nagashima K., Ogliore R. C. and Tachibana S. Geochimica
Geochimica et Cosmochimica Acta	2018	0	Isotope record of mineralogical changes in a spectrum of aqueously altered CM chondrites. Van Kooten E. M. M. E., Cavalcante L. L., Nagashima K., Kasama T.,
Geochimica et Cosmochimica Acta	2018	0	Kinetic D/H fractionation during hydration and dehydration of silicate glasses, melts and nominally anhydrous minerals. Roskosz M., Deloule E., Ingrin J., Depecker
Geochimica et Cosmochimica Acta	2018	0	Low-temperature aqueous alteration on the CR chondrite parent body: Implications from in situ oxygen-isotope analyses. Jilly-Rehak C. E., Huss G. R., Nagashima
Geochimica et Cosmochimica Acta	2018	0	Multiple sulfur isotopes monitor fluid evolution of an Archean orogenic gold deposit. C. LaFlamme, D. Sugiono, N. Thebaud, S. Caruso, M. Fiorentini, V. Selvaraja,
Geochimica et Cosmochimica Acta	2018	0	O, Mg, and Si isotope distributions in the complex ultrarefractory CAI Efremovka 101.1: Assimilation of ultrarefractory, FUN, and regular CAI precursors. Aleon J.,
Geochimica et Cosmochimica Acta	2018	0	Origin and implications of troilite-orthopyroxene intergrowths in the brecciated diogenite Northwest Africa 7183. Zhang, A.-C., Bu, Y.-F., Pang, R.-L., Sakamoto, N.,
Geochimica et Cosmochimica Acta	2018	0	Oxygen isotope systematics of chondrules in the Murchison CM2 chondrite and implications for the CO-CM relationship. Noël Chaumard, Céline Defouilloy,
Geochimica et Cosmochimica Acta	2018	0	Spatially-resolved isotopic study of carbon trapped in ~3.43 Ga Strelley Pool Formation stromatolites. David T. Flannery, Abigail C. Allwood, Roger E. Summons,
Geochimica et Cosmochimica Acta	2018	0	Temperature and depth distribution of Japanese eel eggs estimated using otolith oxygen stable isotopes. Shirai K, Otake T, Amano Y, Kuroki M, Ushikubo T, Kita
Geochimica et Cosmochimica Acta	2018	0	The retention of dust in protoplanetary disks: Evidence from agglomeratic olivine chondrules from the outer Solar System. Schrader D. L., Nagashima K.,
Geochimica et Cosmochimica Acta	2018	0	Unraveling multiple phases of sulfur cycling during the alteration of ancient ultramafic oceanic lithosphere. Schwarzenbach, E.M., Gill, B.C., and Johnston, D.T.
Geologica Carpathica	2018	0	Permian A-type rhyolites of the Muráň Nappe, Inner Western Carpathians, Slovakia: in-situ zircon U–Pb SIMS ages and tectonic setting. Ondrejka, M., Li, X.H.,
Geological Journal	2018	0	Recognition of a Devonian-early Mississippian plutonic belt in the Eastern Beishan area, Northwest China, and its tectonic implications. Zhang, W., Pease, V.,
Geological Magazine	2018	0	Timing of plutonism in the Gällivare area: implications for Proterozoic crustal development in the northern Norrbotten ore district, Sweden. ZMAR SARLUS, ULF B.
Geological Society of America	2018	0	Episodicity within a mid-Cretaceous magmatic flare-up in West Antarctica: U-Pb ages of the Lassiter Coast intrusive suite, Antarctic Peninsula, and correlations
Geological Society of America Bulletin	2018	0	Peri-Gondwanan Ordovician arc magmatism in southeastern Ireland and the Isle of Man: Constraints on the timing of Caledonian deformation in Ganderia.
Geological Survey of Finland	2018	0	Sm–Nd and U–Pb isotope geochemistry of the Palaeoproterozoic mafic magmatism in eastern and northern Finland. Huhma, H., Hanski, E., Kontinen, A, Vuollo, J.
Geological Survey of Sweden	2018	0	Stratigraphy and ages of Palaeoproterozoic metavolcanic and metasedimentary rocks at Käymäjärvi, northern Sweden. Martinsson, O., Bergman, S., Persson, P-
Geology	2018	0	An Archean Yellowstone? Evidence from extremely low δ18O in zircons preserved in granulites of the Yilgarn Craton, Western Australia. J. Hammerli, A.I.S. Kemp
Geology	2018	0	Multisourced metals enriched by magmatic-hydrothermal fluids in stratabound deposits of the Middle-Lower Yangtze River metallogenic belt, China. Li, Y., Selby,
Geology	2018	0	Paleoecologic and paleoceanographic interpretation of δ18O variability in Lower Ordovician conodont species. Wheeley J. R., Jardine P.E., Raine R.J., Boomer I.,
Geology	2018	0	Perovskite U-Pb and Sr-Nd isotopic perspectives on melilitite magmatism and outward growth of the Tibetan Plateau. Liu, D., Zhao, Z.D., Niu, Y.L., Zhu, D.C., Li,
Geology	2018	0	Pulsed magmatic fluid release for the formation of porphyry deposits: Tracing fluid evolution in absolute time from the Tibetan Qulong Cu-Mo deposit. Li, Y., Li,
GEOLOGY	2018	0	Rapid formation of porphyry copper deposits evidenced by diffusion of oxygen and titanium in quartz. Cernuschi F, Dilles JH, Grocke SB, Valley JW, Kitajima K and
Geology	2018	0	A 4463 Ma apparent zircon age from the Jack Hills (Western Australia) resulting from ancient Pb mobilization. Rongfeng Ge, Simon A. Wilde, Alexander A.
Geology	2018	0	Generation of I-type granitic rocks by melting of heterogeneous lower crust. Hammerli, J., Kemp, A.I.S.,Shimura, T., Vervoort, J.D., EIMF, Dunkley, D.J. Geology
Geophysical Research Letters	2018	0	First Identification of Mafic Igneous Enclaves in Miocene Lavas of Southern Tibet With Implications for Indian Continental Subduction. Hao Lu-Lu ; Wang Qiang ;
Geophysical Research Letters	2018	0	Old Continental Crust Underlying Juvenile Oceanic Arc: Evidence From Northern Arabian-Nubian Shield, Egypt. Li, X.H., Abd El-Rahman, Y., Abu Anbar, M., Li, J.,
Geoscience Frontiers	2018	0	Extensive reworking of Archaean crust within the Birimian terrane in Ghana as revealed by combined zircon U-Pb and Lu-Hf isotopes. Andreas Petersson, Anders
Geosciences	2018	0	Ancient microbial activity in deep hydraulically conductive fracture zones within the Forsmark target area for deep geological nuclear waste disposal, Sweden.
Geosciences	2018	0	The ca. 2785-2805 Ma High Temperature Ilivertalik Intrusive Complex of Southern West Greenland. Naeraa, T., Kokfelt, T.F., Scherstén, A., Petersson, A. (2018).
Geosphere	2018	0	Magma-driven, high-grade metamorphism in the Sveconorwegian Province, southwest Norway, during the terminal stages of Fennoscandian Shield evolution.
Geostandards and Geoanalytical Research	2018	0	Accurate Measurements of H2O, F and Cl Contents in Biotite Using Secondary Ion Mass Spectrometry. Siron G., Baumgartner L.P., Bouvier A.-S., Vennemann T.
Geostandards and Geoanalytical Research	2018	0	Matrix Effects During SIMS Measurement of the Lithium Mass Fractions of Silicate Glasses: Correction Procedures and Updated Preferred Values of Reference
Geostandards and Geoanalytical Research	2018	0	Quantifying Isotopic Heterogeneity of Candidate Reference Materials at the Picogram Sampling Scale. Ramsey, M. H., Wiedenbeck, M. Geostandards and
Geostandards and Geoanalytical Research	2018	0	SIMS Bias on Isotope Ratios in Ca-Mg-Fe Carbonates (Part III): δ18O and δ13C Matrix Effects Along the Magnesite–Siderite Solid-Solution Series. Maciej G.
Geostandards and Geoanalytical Research	2018	0	The Diamantina Monazite: A New Low-Th Reference Material for Microanalysis. Gonçalves, G. O., Lana, C., Scholz, R., Buick, I. S., Gerdes, A., Kamo, S. L., Corfu, F.,
Geostandards and Geoanalytical Research	2018	0	Simultaneous In Situ Analysis of Carbon and Nitrogen Isotope Ratios in Organic Matter by Secondary Ion Mass Spectrometry. Ishida A, Kitajima K, Williford KH,
GFF	2018	0	What the ca. 1.83 ga gedrite-cordierite schists in the crystalline basement of Lithuania tell us about the late Palaeoproterozoic accretion of the East European
Gondwana Research	2018	0	Decratonic gold mineralization: Evidence from the Shangzhuang gold deposit, eastern North China Craton. Cai, Y.C., Fan, H.R., Santosh, M., Hu, F.F., Yang, K.F, Li,
Gondwana Research	2018	0	Detrital zircon age, oxygen and hafnium isotope systematics record rigid continents after 2.5 Ga. Iaccheri L.M., Kemp A.I.S., and EIMF. Gondwana Research.
Gondwana Research	2018	0	Low-δ18O mantle-derived magma in Panjal Traps overprinted by hydrothermal alteration and Himalayan UHP metamorphism: Revealed by SIMS zircon analysis.

Gondwana Research	2018	0	The crustal architecture of Myanmar imaged through zircon U-Pb, Lu-Hf and O isotopes: Tectonic and metallogenic implications. Nicholas J.Gardiner, Michael
Gondwana Research	2018	0	Zircon U–Pb dating, geochemistry and Sr–Nd–Hf–O isotopes for the Baimaxueshan granodiorites and mafic microgranulars enclaves in the Sanjiang Orogen:
GSA Bulletin	2018	0	Lithospheric architecture and tectonic evolution of the southwestern U.S. Cordillera: Constraints from zircon Hf and O isotopic data. J.B. Chapman, M.N. Dafov, G.
GSA Bulletin	2018	0	Tectonic evolution of the Qilian Shan: An early Paleozoic orogen reactivated in the Cenozoic. Zuza A. V., Wu C., Reith R. C., Yin A., Li J., Zhang J., Zhang Y., Wu L.,
GSA Bulletin	2018	0	Variable slab-mantle interaction in a nascent Neoproterozoic arc–back-arc system generating boninitic-tholeiitic lavas and magnesian andesites. Chen Ming ; Sun
International Geology Review	2018	0	40Ar/39Ar ages and zircon petrochronology for the rear arc of the Izu-Bonin-Marianas intra-oceanic subduction zone. Schmitt, A. K., Konrad, K., Andrews, G. D.,
International Geology Review	2018	0	Pre-Neoproterozoic basement evolution of southwestern Egypt. Zhang, W., Pease, V., Whitehouse, M.J., El-Sankary, M.M., Shalaby, M.H. (2018), International
International Journal of Earth Sciences	2018	0	Contrasting sources of Late Paleozoic rhyolite magma in the Polish Lowlands: evidence from U–Pb ages and Hf and O isotope composition in zircon. Słodczyk, E.,
International Journal of Earth Sciences	2018	0	Did the circum-Rodinia subduction trigger the Neoproterozoic rifting along the Congo–Kalahari Craton margin? Jiří Konopásek, Vojtěch Janoušek, Pedro
International Journal of Mass Spectrometry	2018	0	The Hyperion-II radio-frequency oxygen ion source on the UCLA ims1290 ion microprobe: Beam characterization and applications in geochemistry and
Journal of Analytical Atomic Spectrometry	2018	0	A novel sample preparation method for ultra-high vacuum (UHV) secondary ion mass spectrometry (SIMS) analysis. Zhang,W., Xia, X.P*., Zhang,Y., Peng T., Yang
Journal of Asian Earth Sciences	2018	0	Ca. 890 Ma magmatism in the northwest Yangtze block, South China: SIMS U–Pb dating, in-situ Hf-O isotopes, and tectonic implications. Jiu-Long Zhou, Xian-Hua
Journal of Asian Earth Sciences	2018	0	Constraints from zircon Hf-O-Li isotopic compositions on the genesis of slightly low-δ18O alkaline granites in the Taohuadao area, Zhejiang Province, SE China.
Journal of Asian Earth Sciences	2018	0	Continental crust melting induced by subduction initiation of the South Tianshan Ocean: Insight from the Latest Devonian granitic magmatism in the southern Yili
Journal of Asian Earth Sciences	2018	0	Cryptic metasomatism revealed by Li isotopes of mantle xenoliths beneath the Thrace Basin, NW Turkey. Jing J.-J., Su B.-X., Xiao Y., Martin L., Zhang H.-F., Ulysal I.,
Journal of Asian Earth Sciences	2018	0	Magma origins and geodynamic implications for the Makran-Chagai arc from geochronology and geochemistry of Bazman volcano, southeastern Iran.
Journal of Gemmology	2018	0	A Preliminary SIMS Study Using Carbon Isotopes to Separate Natural from Synthetic Diamonds. Wang H., Cartier L. E., Baumgartner L. P., Bouvier A.-S., Bégué F.,
Journal of Petrology	2018	0	Magmatic evolution during the Cretaceous transition from subduction to continental break-up of the eastern Gondwana margin (New Zealand) documented by in-
JOURNAL OF PETROLOGY	2018	0	Melt Origin across a Rifted Continental Margin: a Case for Subduction-related Metasomatic Agents in the Lithospheric Source of Alkaline Basalt, NW Ross Sea,
Journal of Petrology	2018	0	Trace Element Constraints on the Differentiation and Crystal Mush Solidification in the Skaergaard Intrusion, Greenland. Namur, O. and Humphreys, M.C.S.
Journal of Petrology	2018	0	Tracking Volatile Behaviour in Sub-volcanic Plumbing Systems Using Apatite and Glass: Insights into Pre-eruptive Processes at Campi Flegrei, Italy. Stock, M.J.,
Journal of Sedimentary Research	2018	0	Oxygen Isotope Microanalysis By Secondary Ion Mass Spectrometry Suggests Continuous 300-million-year History of Calcite Cementation and Dolomitization in
Journal of the Geological Society	2018	0	Geochronological constraint on the Cambrian Chengjiang biota, South China. Chuan Yang, Xian-Hua Li, Maoyan Zhu, Daniel J. Condon and Junyuan Chen.Journal of
Journal of the Geological Society	2018	0	Mineralogy and geochemistry of peridotites and chromitites in the Aladag Ophiolite (southern Turkey): melt evolution of the Cretaceous Neotethyan mantle.
Journal of Volcanology and Geothermal Research	2018	0	Magma plumbing and hybrid magma formation at an active back-arc basin volcano: North Su, eastern Manus basin. Siegburg, M., Klügel, A., Rocholl, A., Bach, W.
Journal of Volcanology and Geothermal Research	2018	0	The onset of the volcanism in the Ciomadul Volcanic Dome Complex (Eastern Carpathians): Eruption chronology and magma type variation. Molnár, K., Harangi,
Journal of Volcanology and Geothermal Research	2018	0	Volatile contents of primitive bubble-bearing melt inclusions from Klyuchevskoy volcano, Kamchatka: Comparison of volatile contents determined by mass-
Lithos	2018	0	A combined geochronological approach to investigating long lived granite magmatism, the Shap granite, UK. Miles, A.J., Woodcock, N.H. Lithos, Volumes 304–307,
Lithos	2018	0	Carbonatitic dykes during Pangaea transtension (Pelagonian Zone, Greece) Schenker F. L., Burg J.-P., Kostopoulos D., Baumgartner L. P., Bouvier A.-S. Lithos, 302-
Lithos	2018	0	Geochemistry of I- and A-type granites of the Qingyang–Jiuhuashan complex, eastern China: Insights into early cretaceous multistage magmatism. Jiang Xiao-Yan ;
Lithos	2018	0	Geochronology, petrogenesis and geodynamic significance of the Visean igneous rocks in the Central Sudetes, northeastern Bohemian Massif. Jastrzebski, M.
Lithos	2018	0	Insights into the origin of coexisting A1- and A2-type granites: Implications from zircon Hf-O isotopes of the Huayuangong intrusion in the Lower Yangtze River
Lithos	2018	0	Intra-slab COH fluid fluxes evidenced by fluid-mediated decarbonation of lawsonite eclogite-facies altered oceanic metabasalts. Brovarone A.V., Chu X., Martin L.,
Lithos	2018	0	Neoproterozoic tectonothermal evolution of NW India: Evidence from geochemistry and geochronology of granitoids. Zhao Jun-Hong; Pandit Manoj K.; Wang Wei;
Lithos	2018	0	New evidence for an old idea: Geochronological constraints for a paired metamorphic belt in the central European Variscides. Will, T.M., Schmadicke, E., Ling, X.X.,
Lithos	2018	0	Permian pyroxenite dykes in harzburgite with signatures of the mantle, subduction channel and accretionary wedge evolution (Austroalpine Unit, Eastern Alps)
Lithos	2018	0	Petrogenesis of the Early Cretaceous granitoids and its mafic enclaves in the Northern Tengchong Terrane, southern margin of the Tibetan Plateau and its tectonic
Lithos	2018	0	Rare earth element tetrad effect and negative Ce anomalies of the granite porphyries in southern Qiangtang Terrane, central Tibet: New insights into the genesis
Lithos	2018	0	Rare peak and ubiquitous post-peak zircon in eclogite: Constraints for the timing of UHP and HP metamorphism in Erzgebirge, Germany. Schmadicke, E., Will,
Lithos	2018	0	Relict zircon U-Pb age and O isotope evidence for reworking of Neoproterozoic crustal rocks in the origin of Triassic S-type granites in South China. Gao, P ; Zheng,
Lithos	2018	0	Step-like growth of the continental crust in South China: evidence from detrital zircons in Yangtze River sediments. Liang, Z-W., Gao, S., Hawkesworth, C.J., Wu, Y-
Lithos	2018	0	Timing, geochemistry and tectonic setting of Ni-Cu sulfide-associated intrusions of the Halls Creek Orogen, Western Australia. D.R. Mole, S.J. Barnes, M. Le
Lithos	2018	0	U-Pb geochronology and petrogenesis of peraluminous granitoids from northern Indian plate in NW Pakistan: Andean type orogenic signatures from the early
Lithos	2018	0	Zircon (Hf, O isotopes) as melt indicator: Melt infiltration and abundant new zircon growth within melt rich layers of granulite-facies lenses versus solid-state
Lithosphere	2018	0	Time scale for the development of thickened crust in the Cretaceous North Cascades magmatic arc, Washington, and relationship to Cretaceous flare-up
Marine and Petroleum Geology	2018	0	Vertical effective stress as a control on quartz cementation in sandstones. Marine and Petroleum Geology 98 (2018) pp.640–652.
Marine Ecology Progress Series	2018	0	Untapping the potential of sulfur isotope analysis in biominerals. Z.A. Doubleday, J. Cliff, C. Izzo and B.M. Gillanders. Marine Ecology Progress Series (2018)

Meteoritics & Planetary Science	2018	0	U-Pb and Pb-Pb apatite ages for Antarctic achondrite Graves Nunataks 06129. Zhou, Q., Yin, Q.Z., Shearer, C.K., Li, X.H., Li, Q.L., Liu, Y., Tang, G.Q., Li, C.L.,
Mineralium Deposita	2018	0	Chemical and boron isotopic composition of tourmaline from the Mariinsky emerald deposit, Central Urals, Russia. Baksheev, I. A., Trumbull, R., Popov, M. P.,
Mineralium Deposita	2018	0	Subsurface deposition of Cu-rich massive sulphide underneath a Palaeoproterozoic seafloor hydrothermal system-the Red Bore prospect, Western Australia.
Mineralium Deposita	2018	0	Uranium metallogenesis of the peraluminous leucogranite from the Pontivy-Rostrenen magmatic complex (French Armorican Variscan belt): the result of long-
Mineralogy and Petrology	2018	0	Carbon and nitrogen systematics in nitrogen-rich, ultradeep diamonds from Sao Luiz, Brazil. Navon Oded, Stachel Thomas, Stern Richard, Harris Jeffrey.
Mineralogy and Petrology	2018	0	Diamond brecciation and annealing accompanying major metasomatism in eclogite xenoliths from the Sask Craton, Canada. Czas J, Stachel T, Pearson DG, Stern
Mineralogy and Petrology	2018	0	Diamonds from Orapa Mine show a clear subduction signature in SIMS stable isotope data. Chinn IL, Perritt SH, Stiefenhofer J, Stern RA, Mineralogy and
Mineralogy and Petrology	2018	0	The genesis of Mo-Cu deposits and mafic igneous rocks in the Senj area, Alborz magmatic belt, Iran. Nabatian, G., Li, X.H., Wan, B., Honarmand, M., Mineralogy
Minerals	2018	0	Fault Zone Evolution and Development of a Structural and Hydrological Barrier: The Quartz Breccia in the Kiggavik Area (Nunavut, Canada) and Its Control on
Minerals	2018	0	The Hydrothermal Breccia of Berglia-Glassberget, Trøndelag, Norway: Snapshot of a Triassic Earthquake. Müller, A., Ganerød, M., Wiedenbeck, M., Svendsen
Nature Astronomy	2018	0	A dual origin for water in carbonaceous asteroids revealed by CM chondrites. Piani, L., Yurimoto, H. and Remusat, L. Nature Astronomy (2018) Volume 2, pages
Nature Communications	2018	0	Degassing-induced fractionation of multiple sulphur isotopes unveils post-Archaean recycled oceanic crust signal in hotspot lava. Patrick Beaudry, Marc-Antoine
Nature Communications	2018	0	Oxidising agents in sub-arc mantle melts link slab devolatilisation and arc magmas. Antoine Bénard, Kevin Klimm, Alan B. Woodland, Richard J. Arculus, Max Wilke,
Nature Communications	2018	0	Turbulence simultaneously stimulates small- and large-scale CO2 sequestration by chain-forming diatoms in the sea. Bergkvist, J., Klawonn, I., Whitehouse, M.,
Nature Scientific Reports	2018	0	Assessing kinetic fractionation in brachiopod calcite using clumped isotopes. David Bajnai, Jens Fiebig, Adam Tomašových, Sara Milner Garcia, Claire Rollion-Bard,
Nature Scientific Reports	2018	0	Circa 1 Ga sub-seafloor hydrothermal alteration imprinted on the Horoman peridotite massif. Lalindra V. Ranaweera, Tsutomu Ota, Takuya Moriguti, Ryoji Tanaka
Nature Scientific Reports	2018	0	Earth's youngest banded iron formation implies ferruginous conditions in the Early Cambrian ocean. Zhi-Quan Li, Lian-Chang Zhang, Chun-Ji Xue, Meng-Tian
Nature Scientific Reports	2018	0	Excess water storage induced by viscous strain localization during high-pressure shear experiment. Jacques Précigout, Holger Stünitz & Johan Villeneuve. Scientific
Nature Scientific Reports	2018	0	Mesoproterozoic juvenile crust in microcontinents of the Central Asian Orogenic Belt: evidence from oxygen and hafnium isotopes in zircon. Zhen-Yu He, Reiner
New Zealand Journal of Geology and Geophysics	2018	0	Recognition of mid-Paleozoic volcanism in New Zealand. Turnbull, R.E., van der Meer, Q.H.A., Tulloch, A.J., Ramezani, J., Whitehouse, M.J., Andersen, T.H., Waight,
Ore Geology Reviews	2018	0	A synvolcanic origin for magnetite-rich orebodies hosted by BIF in the Weld Range District, Western Australia. P. Duuring, S.G. Hagemann, D.A. Banks and C.
Ore Geology Reviews	2018	0	Hydrothermal evolution and isotope studies of the Baghu intrusion-related gold deposit, Semnan province, north-central Iran. Niroomand S., Hassanzadeh J.,
Ore Geology Reviews	2018	0	Invisible gold in arsenian pyrite from the high-grade Hishikari gold deposit, Japan: Significance of variation and distribution of Au/As ratios in pyrite, Yuichi
Ore Geology Reviews	2018	0	Sulfur isotope and metal variations in sulfides in the BIF-hosted orogenic Cuiabá gold deposit, Brazil: Implications for the hydrothermal fluid evolution. Carolin
Ore Geology Reviews	2018	0	The genesis of granite-related hydrothermal uranium deposits in the Xiazhuang and Zhuguang ore fields, North Guangdong Province, SE China: Insights from
Ore Geology Reviews	2018	0	Trace element geochemistry of magnetite: Implications for ore genesis of the Talate skarn Pb-Zn (-Fe) deposit, Altay, NW China. Li Deng-Feng ; Chen Hua-Yong ;
Ore Geology Reviews	2018	0	Using integrated in-situ sulfide trace element geochemistry and sulfur isotopes to trace ore-forming fluids: Example from the Mina Justa IOCG deposit (southern
Palaeogeography, Palaeoclimatology, Palaeoecology	2018	0	Influences of coral genotype and seawater pCO2 on skeletal Ba/Ca and Mg/Ca in cultured massive Porites spp. Corals. Allison N, Cole C, Hintz C, Hintz K. & Finch
Paleobiology	2018	0	Ion microprobe–measured stable isotope evidence for ammonite habitat and life mode during early ontogeny. Benjamin J. Linzmeier, Neil H. Landman, Shanan E.
Paleoceanography and Paleoclimatology	2018	0	Diagenetic Attenuation of Carbon Isotope Excursion Recorded by Planktic Foraminifers During the Paleocene-Eocene Thermal Maximum. Reinhard Kozdon, D. Clay
Physics of the Earth and Planetary Interiors	2018	0	Negative activation volume of oxygen self-diffusion in forsterite. Fei, H., Wiedenbeck, M., Sakamoto, N., Yurimoto, H., Yoshino, T., Yamazaki, D. and Katsura, T.
PNAS	2018	0	First evidence for silica condensation within the solar protoplanetary disk. Mutsumi Komatsu, Timothy J. Fagan, Alexander N. Krot, Kazuhide Nagashima, Michail I.
PNAS	2018	0	Insights into the origin of carbonaceous chondrite organics from their triple oxygen isotope composition. Tartèse R., Chaussidon M., Gurenko A., Delarue F.,
PNAS	2018	0	Origin and significance of Si and O isotope heterogeneities in Phanerozoic, Archean, and Hadean zircon. Trail D., Boehnke P., Savage P. S., Liu M.-C., Miller M. L.,
PNAS	2018	0	Potassic, high-silica Hadean crust. Patrick Boehnke, Elizabeth A. Bell, Thomas Stephan, Reto Trappitsch, C. Brenhin Keller, Olivia S. Pardo, Andrew M. Davis, T.
PNAS	2018	0	SIMS analyses of the oldest known assemblage of microfossils document their taxon-correlated carbon isotope compositions. J. William Schopf, Kouki Kitajima,
PNAS	2018	0	Abrupt global-ocean anoxia during the Late Ordovician–early Silurian detected using uranium isotopes of marine carbonates. Bartletta R., Elricka M., Wheeley J.R.,
Precambrian Research	2018	0	Both plume and arc: origin of Neoarchaean crust as recorded in Veligallu greenstone belt, Dharwar craton, India. Dey, S., Pal, S., Balakrishnan, S., Halla, J., Kurhila,
Precambrian Research	2018	0	Carbonaceous biosignatures of the earliest putative macroscopic multicellular eukaryotes from 1630 Ma Tuanshanzi Formation, north China. Qu, Y., Zhu, S.,
Precambrian Research	2018	0	Complexity of the early Archean Uivak Gneiss: insights from Tigigakyuk Inlet, Saglek Block, Labrador, Canada and possible correlations with south West Greenland.
Precambrian Research	2018	0	Genesis of the Paleoproterozoic Ammassalik Intrusive Complex, south-east Greenland. Lebrun E., Artig T.B., Kolb J., Fiorentini M., Kokfelt T., Brandt Johannsen A.,
Precambrian Research	2018	0	Geochronology and geochemistry of volcanic rocks from the Jingtan Formation in the eastern Jiangnan orogen, South China: Constraints on petrogenesis and
Precambrian Research	2018	0	Halogen chemistry and hydrogen isotopes of apatite from the >3.7 Ga Isua supracrustal belt, SW Greenland. Wudarska, A., Wiedenbeck, M., Słaby, E., Lepland, A.,
Precambrian Research	2018	0	Isotopic insight into the Proterozoic crustal evolution of the Rudall Province, Western Australia. N.J. Gardiner, D.W. Maidment, C.L. Kirkland, S. Bodorkos, R.H.
Precambrian Research	2018	0	New evidence for a continental rift tectonic setting of the Neoproterozoic Imorona-Itsindro Suite (central Madagascar). Jiu-Long Zhou, Xian-Hua Li, Guo-Qiang
Precambrian Research	2018	0	Precise microbeam dating defines three Archaean granitoid suites at the southwestern margin of the Kaapvaal Craton. Cornell, D.H., Minnaar, H., Frei, D.,
Precambrian Research	2018	0	Preliminary detrital zircon signatures from the southern Asir terrane, Saudi Arabia: A link to Yemen or the Nubian Shield? Robinson, F.A., Pease, V., Whitehouse,

Precambrian Research	2018	0	Protracted and polyphased gold mineralisation in the Agnew District (Yilgarn Craton, Western Australia) N. Thébaud, D. Sugiono, C. LaFlamme, J. Miller, L. Fisher,
Precambrian Research	2018	0	Sample-scale carbon isotopic biosignatures of diverse biomass in the Paleoproterozoic Zaonega Formation, Russia. Qu, Y., Lepland, A., van Zuilen, M., Whitehouse,
Precambrian Research	2018	0	SIMS microanalysis of the Strelley Pool Formation cherts and the implications for the secular-temporal oxygen-isotope trend of cherts. J.N.Cammack, M.J.
Precambrian Research	2018	0	Sveconorwegian vs. Caledonian orogenesis in the eastern Øygarden Complex, SW Norway – Geochronology, structural constraints and tectonic implications.
Precambrian Research	2018	0	The early Earth geochemical and isotope record of serpentinizing environments from Archean stichtite (Mg6Cr2(OH)16[CO3]·4H2O). Melchiorre E. B., R. Bottrill,
Precambrian Research	2018	0	The early-Sveconorwegian orogeny in southern Norway: Tectonic model involving delamination of the sub-continental lithospheric mantle. Bingen, B., Giulio, V.
Precambrian Research	2018	0	The fluid evolution of the Nimbus Ag-Zn-(Au) deposit: An interplay between mantle plume and microbial activity. Caruso, M.L. Fiorentini, S.P. Hollis, C. LaFlamme,
Precambrian Research	2018	0	U-Pb age distribution recorded in zircons from Archean quartzites in the Mt. Alfred area, Yilgarn Craton, Western Australia. Ross B. Kielman, Alexander
Quaternary International	2018	0	A systematic comparison of obsidian hydration measurements: The first application of micro-image with secondary ion mass spectrometry to the prehistoric
Quaternary Science Reviews	2018	0	The marine isotope stage 1–5 cryptotephra record of Tenaghi Philippon, Greece: Towards a detailed tephrostratigraphic framework for the Eastern
Rapid Communications in Mass Spectrometry	2018	0	Evaluation of micromilling/conventional isotope ratio mass spectrometry and secondary ion mass spectrometry of δ18O values in fish otoliths for
RSC Adv.	2018	0	17O solid-state NMR spectroscopy of A2B2O7 oxides: quantitative isotopic enrichment and spectral acquisition? Fernandes, A., Moran, R.F., Sneddon, S., Dawson,
Science Advances	2018	0	An early Cambrian greenhouse climate. Thomas W. Hearing, Thomas H. P. Harvey, Mark Williams, Melanie J. Leng, Angela L. Lamb, Philip R. Wilby, Sarah E.
Science Bulletin	2018	0	Insights into the origin of purely sediment-derived Himalayan leucogranites: Si-O isotopic constraints. Liu, X.C.*, Li, X.H.*, Liu, Y., Yang, L., Li, Q.L., Wu, F.Y., Yu,
Scientific Reports	2018	0	3D nanopetrography and chemical imaging of datable zircons by synchrotron multimodal X-ray tomography. Jussi-Petteri Suuronen, M. Sayab. Scientific Reports,
Sedementology	2018	0	The complex diagenetic history of discontinuities in shallow-marine carbonate rocks: New insights from high-resolution ion microprobe investigation of δ18O and
Tectonophysics	2018	0	Age and structural constraints on the tectonic evolution of the Paleoproterozoic Central Lapland Granitoid Complex in the Fennoscandian Shield. Lahtinen, R.,
Tectonophysics	2018	0	Jurassic high heat production granites associated with the Weddell Sea rift system, Antarctica. Leat, P.T., Jordan, T.A., Flowerdew, M.J., Riley, T.R., Ferraccioli, F.,
Tectonophysics	2018	0	Structural, metamorphic and geochronological insights on the Variscan evolution of the Alpine basement in the Belledonne Massif (France). Freville, K., Trap, P.,
Tectonophysics	2018	0	Crustal-scale convection and diapiric upwelling of a partially molten orogenic root (Naxos dome, Greece). Vanderhaeghe O., Kruckenberg S. C., Gerbault M.,
Tectonophysics	2018	0	Detrital zircon age patterns from turbidites of the Balagne and Piedmont nappes of Alpine Corsica (France): Evidence for an European margin source. Lin, W.,
Terra Nova	2018	0	Constraining long-term fault activity in the brittle domain through in-situ dating of hydrothermal monazite. Bergemann, C.A.,Gnos, E., Berger, A., Whitehouse,
The Astrophysical Journal	2018	0	Oxygen Isotopic Exchange between Amorphous Silicate and Water Vapor and Its Implications for Oxygen Isotopic Evolution in the Early Solar System. Yamamoto,
The Astrophysical Journal Letters	2018	0	New Constraints on the Abundance of 60Fe in the Early Solar System. Trappitsch R., Boehnke P., Stephan T., Telus M., Savina M. R., Pardo O., Davis A. M., Dauphas
The Journal of Geology	2018	0	Zircon U-Pb Geochronology of Two Basement Cores (Kentucky, USA): Implications for Late Mesoproterozoic Sedimentation and Tectonics in the Eastern
American Mineralogist	2017	0	Trace element inventory of meteoritic Ca-phosphates. Ward, D., Bischoff, A., Roszjar, J., Berndt, J., Whitehouse, M.J. American Mineralogist (2017) 102 (9): 1856-
Geological Society	2017	0	The tectonomagmatic significance of Neoarchaean variably alkali-enriched gabbro and diorite intrusions of the western Karelia Province. PERTTU MIKKOLA, ESA
Journal of Analytical Atomic Spectrometry	2017	0	Predicting instrumental mass fractionation (IMF) of stable isotope SIMS analyses by response surface methodology (RSM) Fabrega C., Parcerisa D., Rossell J. M.,
Journal of Asian Earth Sciences	2017	0	Geochronological constraints on stratigraphic correlation and oceanic oxygenation in Ediacaran-Cambrian transition in South China. Chuan Yang, Maoyan Zhu,
Journal of the Geological Society	2017	0	Age and petrogenesis of the Lundy granite: Paleocene intraplate peraluminous magmatism in the Bristol Channel, UK. Charles, J.-H., Whitehouse, M.J., Andersen,
Meteoritics & Planetary Science	2017	0	Impact history of the Apollo 17 landing site revealed by U-Pb SIMS ages. Fiona Thiessen, Alexander A. Nemchin, Joshua F. Snape, Martin J. Whitehouse, Jeremy J.
Acta Geologica Sinica	2017	0	Origin of Peridotites and Chromitites in the Pozanti-kar Santi Ophiolite, Turkey. Lian, D., Yang, J., Wiedenbeck, M., Dilek, Y., Rocholl, A., Xiong, F., Wu, W. Acta
Acta Geologica Sinica	2017	0	Secondary Ion Mass Spectrometry Analyses of Diamond and Moissanite in Ophiolite. Wiedenbeck, M., Lian, D. Acta Geologica Sinica - English Edition (2017)
Advances in isotope geochemistry	2017	0	The Cosmochemistry of Boron Isotopes. M.-C. Liu, and M. Chaussidon. Advances in isotope geochemistry, boron isotopes – the fifth element. 18 November (2017)
Advances in Volcanology	2017	0	Experimental Simulations of Magma Storage and Ascent. Martel, C., Brooker R., Andújar, J., Pichavant, M., Scaillet, B., Blundy, J. Advances in Volcanology. pp 101-
American Mineralogist	2017	0	Biologically mediated crystallization of buddingtonite in the Paleoproterozoic: Organic-igneous interactions from the Volyn pegmatite, Ukraine. Franz, G.,
American Mineralogist	2017	0	An experimental approach to quantify the effect of tetrahedral boron in tourmaline on the boron isotope fractionation between tourmaline and fluid.
American Mineralogist	2017	0	Apatite trace element and isotope applications to petrogenesis and provenance. Bruand E., Fowler M., Storey C. and Darling J. American Mineralogist (2017) 102
American Mineralogist	2017	0	Water transfer during magma mixing events: Insights into crystal mush rejuvenation and melt extraction processes. Pistone M., Blundy J.D., Brooker R.A. and
Analytical Chemistry	2017	0	Direct Pb Isotopic Analysis of a Nuclear Fallout Debris Particle from the Trinity Nuclear Test. Bellucci JJ, Snape JF, Whitehouse MJ, Nemchin AA. Analytical
Antarctic Science	2017	0	A revised geochronology of Thurston Island, West Antarctica, and correlations along the proto-Pacific margin of Gondwana. T.R. RILEY, M.J. FLOWERDEW, R.J.
Astrobiology	2017	0	A Study of the Microbial Spatial Heterogeneity of Bahamian Thrombolites Using Molecular, Biochemical, and Stable Isotope Analyses. Louyakis AS, Mobberley JM,
Bulletin de la Société Géologique de France	2017	0	A mantle origin for sulfates in the unusual “salty” Udachnaya-East kimberlite from sulfur abundances, speciation and their relationship with groundmass
Chemical Geology	2017	0	A multiple sulfur isotope study through the volcanic section of the Troodos ophiolite. Leif-Erik Rydland Pedersen, Hubert Staudigel, Nicola McLoughlin, Martin J.
Chemical Geology	2017	0	A new set of standards for in–situ measurement of bromine abundances in natural silicate glasses: Application to SR-XRF, LA-ICP-MS and SIMS techniques. Cadoux
Chemical Geology	2017	0	Across-arc geochemical variation in the Jurassic magmatic zone, Southern Tibet: Implication for continental arc-related porphyry CuAu mineralization. Rui Wang,
Chemical Geology	2017	0	An evaluation of paired δ18O and (234U/238U)0 in opal as a tool for paleoclimate reconstruction in semi-arid environments. Jessica L. Oster, Kouki Kitajima, John

Chemical Geology	2017	0	Carbon isotopes of eclogite-hosted diamonds from the Nyurbinskaya kimberlite pipe, Yakutia: The metasomatic origin of diamonds. Z.V. Spetsius, J. Cliff, W.L.
Chemical Geology	2017	0	Chemical and boron isotopic composition of hydrothermal tourmaline from the Panasqueira W-Sn-Cu deposit, Portugal. Codeço, M., Weis, P., Trumbull, R., Pinto,
Chemical Geology	2017	0	Co-magmatic sulfides and sulfates in the Udachnaya-East pipe (Siberia): A record of the redox state and isotopic composition of sulfur in kimberlites and their
Chemical Geology	2017	0	Corrigendum to "Possible controls on Li, Na and Mg incorporation into aragonite coral skeletons" [Chem. Geol. 396 (2015) 98-111] Rollion-Bard C., Blamart D.
Chemical Geology	2017	0	Evaluation of potential monazite reference materials for oxygen isotope analyses by SIMS and laser assisted fluorination. Didier A., Putlitz B., Baumgartner L.P.,
Chemical Geology	2017	0	Geochemical systematics of Pb isotopes, fluorine, and sulfur in melt inclusions from São Miguel, Azores. E.F. Rose-Koga, K.T. Koga, M. Moreira, I. Vlastelic, M.G.
Chemical Geology	2017	0	Investigation of Ge and Ga exchange behaviour and Ge isotopic fractionation during subduction zone metamorphism. El Korh A., Luais B., Boiron M. C., Deloule E.,
Chemical Geology	2017	0	Pb isotopes in the impact melt breccia 66095: Association with the Imbrium basin and the isotopic composition of lithologies at the Apollo 16 landing site. Joshua
Chemical Geology	2017	0	Pyrite in a sulfate-poor Paleoarchean basin was derived predominantly from elemental sulfur: Evidence from 3.2 Ga sediments in the Barberton Greenstone Belt,
Chemical Geology	2017	0	Quantification of oxygen isotope SIMS matrix effects in olivine samples: Correlation with sputter rate. J. Isa, I.E. Kohl, M.-C. Liu, J.T. Wasson, E.D. Young, K.D.
Chemical Geology	2017	0	Silicate-sulfide liquid immiscibility in modern arc basalt (Tolbachik volcano, Kamchatka): Part II. Composition, liquidus assemblage and fractionation of the silicate
Chemical Geology	2017	0	SIMS chlorine isotope analyses in melt inclusions from arc settings. Manzini M., Bouvier A.-S., Barnes J. D., Bonifacie M., Rose-Koga E. F., Ulmer P., Métrich N.,
Chemical Geology	2017	0	Sulfur isotope signatures in the lower crust: A SIMS study on S-rich
Chemical Geology	2017	0	The effect of growth rate on uranium partitioning between individual calcite crystals and fluid. Jeremy M.Weremeichik, Rinat I.Gabitov, Bruno M.J.Thien, Aleksey
Chemical Geology	2017	0	The transition zone as a host for recycled volatiles: Evidence from nitrogen and carbon isotopes in ultra-deep diamonds from Monastery and Jagersfontein (South
Chemical Geology	2017	0	Trace elements in anatectic products at the roof of mid-ocean ridge magma chambers: An experimental study. Erdmann M., France L., Fischer L. A., Deloule E.,
Chemical Geology	2017	0	Tracing the fluid evolution of the Kiruna iron oxide apatite deposits using zircon, monazite, and whole rock trace elements and isotopic studies. Anne Westhues,
Chemical Geology	2017	0	U-series disequilibria in minerals from Gandak River sediments (Himalaya) Bosia C., Chabaux F., Pelta E, Cogez A., Stillea P., Deloule E., France-Lanord C. Chemical
Chemie der Erde - Geochemistry	2017	0	Geochemistry and petrogenesis of Kolah-Ghazi granitoids of Iran: Insights into the Jurassic Sanandaj-Sirjan magmatic arc. Marzieh Bayati, Dariush Esmaeily, Reza
Comptes Rendus Geosciences	2017	0	The northwest-directed ‘‘Bretonian phase’’ in the French Variscan Belt (Massif Central and Massif Armoricain): A consequence of the Early Carboniferous
Contributions to Mineralogy and Petrology	2017	0	CO2 content of andesitic melts at graphite-saturated upper mantle conditions with implications for redox state of oceanic basalt source regions and
Contributions to Mineralogy and Petrology	2017	0	CO2 fluid inclusions in Jack Hills zircons. Martina Menneken, Thorsten Geisler, Alexander A. Nemchin, Martin J. Whitehouse, Simon A. Wilde, Biliana Gasharova,
Contributions to Mineralogy and Petrology	2017	0	Effect of water on the fluorine and chlorine partitioning behavior between olivine and silicate melt. Joachim B., Stechern A., Ludwig T., Konzett J., Pawley A., Ruzié
Contributions to Mineralogy and Petrology	2017	0	H2O solubility in basalt at upper mantle conditions. Mitchell, A.L., Gaetani, G.A., O’Leary, J.A., and Hauri, E.H. Contributions to Mineralogy and Petrology, volume
Contributions to Mineralogy and Petrology	2017	0	Iron isotope fractionation in subduction-related high-pressure metabasites (Ile de Groix, France) El Korh A., Luais B., Deloule E., Cividini D. Contributions to
Contributions to Mineralogy and Petrology	2017	0	Middle Ordovician subduction of continental crust in the Scandinavian Caledonides: an example from Tjeliken, Seve Nappe Complex, Sweden. Fassmer, K.,
Contributions to Mineralogy and Petrology	2017	0	Petrological and experimental evidence for differentiation of water-rich magmas beneath St. Kitts, Lesser Antilles. Melekhova E., Blundy J., Martin R., Arculus R.
Contributions to Mineralogy and Petrology	2017	0	Zircon record of fractionation, hydrous partial melting and thermal gradients at different depths in oceanic crust (ODP Site 735B, South-West Indian Ocean)
Crystals	2017	0	Experimental and Theoretical Evidence for Surface-Induced Carbon and Nitrogen Fractionation during Diamond Crystallization at High Temperatures and High
Earth & Planetary Science Letters	2017	0	Experimental determination of melt interconnectivity and electrical conductivity in the upper mantle. Laumonier M., Farla R., Frost D. J., Katsura T., Marquardt K.,
Earth and Planetary Science Letters	2017	0	Assessing sulfur redox state and distribution in abyssal serpentinites using XANES spectroscopy. Debret B., Andreani M., Delacour A., Roumejon S., Trcera N.,
Earth and Planetary Science Letters	2017	0	Chlorine and hydrogen degassing in Vesta’s magma ocean. Adam R. Sarafian, Timm John, Julia Roszjar, Martin J.Whitehouse. Earth and Planetary Science Letters.
Earth and Planetary Science Letters	2017	0	Diagenetic Mg-calcite overgrowths on foraminiferal tests in the vicinity of methane seeps. Giuliana Panieri, Aivo Lepland, Martin J.Whitehouse, Richard Wirth,
Earth and Planetary Science Letters	2017	0	Evidence of magmatic degassing in Archean komatiites: Insights from the Wannaway nickel-sulfide deposit, Western Australia. S. Caruso, M.L. Fiorentini, M.
Earth and Planetary Science Letters	2017	0	Giant magmatic water reservoirs at mid-crustal depth inferred from electrical conductivity and the growth of the continental crust. Laumonier M., Gaillard F.,
Earth and Planetary Science Letters	2017	0	Halogen and Cl isotopic systematics in Martian phosphates: Implications for the Cl cycle and surface halogen reservoirs on Mars. J.J.Bellucci, M.J.Whitehouse,
Earth and Planetary Science Letters	2017	0	Heterogeneous source components of intraplate basalts from NE China induced by the ongoing Pacific slab subduction. Chen H., Xia Q. K, Ingrin J., Deloule E., Bi Y.
Earth and Planetary Science Letters	2017	0	Isotopic evidence for microbial production and consumption of methane in the upper continental crust throughout the Phanerozoic eon. Henrik Drake, Christine
Earth and Planetary Science Letters	2017	0	Localized slip controlled by dehydration embrittlement of partly serpentinized dunites, Leka Ophiolite Complex, Norway. Kristina G.Dunkel, Håkon Austrheim,
Earth and Planetary Science Letters	2017	0	Mantle to surface degassing of carbon- and sulphur-rich alkaline magma at El Hierro, Canary Islands. Longpre, M.-A., Stix, J., Klugel, A., and Shimizu, N. Earth and
Earth and Planetary Science Letters	2017	0	Neoproterozoic magmatic flare-up along the N. margin of Gondwana: The Taknar complex, NE Iran. Hadi Shafaii Moghadam, Xian-Hua Li, Jose F.Santos, Robert
Earth and Planetary Science Letters	2017	0	Olivine-hosted melt inclusions as an archive of redox heterogeneity in magmatic systems. Hartley M.E., Shorttle O., Maclennan J., Moussallam Y and Edmonds M.
Earth and Planetary Science Letters	2017	0	Origin and abundance of water in carbonaceous asteroids. Marrocchi Y., Bekaert D., Piani L. Earth and Planetary Science Letters (2017) Volume 482, Pages 23-32.
Earth and Planetary Science Letters	2017	0	Origin of crystalline silicates from Comet 81P/Wild 2: Combined study on their oxygen isotopes and mineral chemistry. Céline Defouilloy, Daisuke Nakashima,
Earth and Planetary Science Letters	2017	0	Origin of Na in glass inclusions hosted in olivine from Allende CV3 and Jbilet Winselwan CM2: Implications for chondrule formation. Florentin L., Faure F., Deloule
Earth and Planetary Science Letters	2017	0	Oxygen isotope constraints on the alteration temperatures of CM chondrites. Verdier-Paoletti M., Marrocchi Y., Avice G., Roskosz M., Gurenko A., Gounelle M.
Earth and Planetary Science Letters	2017	0	Silicon and oxygen self-diffusion in stishovite: Implications for stability of SiO2-rich seismic reflectors in the mid-mantle. Xu, F., Yamazaki, D., Sakamoto, N., Sun,

Earth and Planetary Science Letters	2017	0	The 1.33–1.30 Ga Yanliao large igneous province in the North China Craton: Implications for reconstruction of the Nuna (Columbia) supercontinent, and
Earth and Planetary Science Letters	2017	0	The identification and significance of pure sediment-derived granites. Hopkinsona T.N., Harrisa N.B.W., Warrena C.J., Spencer C.J., Roberts N.M.W, Horstwood
Earth and Planetary Science Letters	2017	0	The isotope mass effect on chlorine diffusion in dacite melt, with implications for fractionation during bubble growth. Fortin M-A, Watson EB, Stern R, Earth and
Earth and Planetary Science Letters	2017	0	The production rate of cosmogenic deuterium at the Moon's surface. Füri E., Deloule E., Trappitsch R. Earth and Planetary Science Letters (2017) Volume 474,
Geobiology	2017	0	The Neoarchaean surficial sulphur cycle: An alternative hypothesis based on analogies with 20th-century atmospheric lead. Gallagher M, Whitehouse MJ, Kamber
Geochemical Journal	2017	0	Carbonate ions in high-SiO2 rhyolite observed in fluid-melt equilibrium experiments. Yoshimura, S., Nakamura, M. and Yurimoto, H. Geochemical Journal (2017)
Geochemical Journal	2017	0	Evidence for the solar wind in lunar magmas: A study of slowly cooled samples of the Apollo 12 olivine basalt suite. Jack A. Singer, James P. Greenwood, Shoichi
Geochemical journal	2017	0	H2O, CO2, F, S, Cl, and P2O5 analyses of silicate glasses using SIMS: Report of volatile standard glasses. Shimizu K., Ushikubo T., Hamada M., Itoh S., Higashi Y.,
Geochemical Journal	2017	0	Occurrences, abundances, and compositional variations of cosmic symplectites in the Acfer 094 ungrouped carbonaceous chondrite. Abe, K., Sakamoto, N., Krot,
Geochemical Journal	2017	0	The lunar magma ocean volatile signature recorded in chlorine-rich glasses in KREEP basalts 15382 and 15386. Greenwood, J. P., Sakamoto, N., Itoh, S., Warren, P.
Geochemistry Geophysics Geosystems	2017	0	Sr-Nd-Hf-O isotope geochemistry of the Ertaibei pluton, East Junggar, NWChina: Implications for development of a crustal-scale granitoid pluton and crustal
Geochemistry International	2017	0	Evidence for large scale fractionation of carbon isotopes and of nitrogen impurity during crystallization of gem quality cubic diamonds from placers of North
Geochemistry, Geophysics, Geosystems	2017	0	Aluminum in zircon as evidence for peraluminous and metaluminous melts from the Hadean to present. Dustin Trail , Nicholas Tailby, Yanling Wang, T. Mark
Geochemistry, Geophysics, Geosystems	2017	0	Earthquakes as Precursors of Ductile Shear Zones in the Dry and Strong Lower Crust. Menegon L., Pennacchioni G., Malaspina N., Harris K. and Wood E.
Geochemistry, Geophysics, Geosystems	2017	0	Fitful and protracted magma assembly leading to a giant eruption, Youngest Toba Tuff, Indonesia. Mary R. Reid and Jorge A. Vazquez. Geochemistry, Geophysics,
Geochemistry, Geophysics, Geosystems	2017	0	Subduction, high-P metamorphism, and collision fingerprints in South Iran: Constraints from zircon U-Pb and mica Rb-Sr geochronology. Moghadam, H.S., Brocker,
Geochimica et Cosmochimica Acta	2017	0	26Al–26Mg systematics in chondrules from Kaba and Yamato 980145 CV3 carbonaceous chondrites. Kazuhide Nagashima, Alexander N.Krot, Mutsumi Komatsu.
Geochimica et Cosmochimica Acta	2017	0	53Mn-53Cr Chronology of Ca-Fe Silicates in CV3 Chondrites. MacPherson G. J., Nagashima K., Krot A. N., Doyle P. M., and Ivanova M. A. (2017) Geochim.
Geochimica et Cosmochimica Acta	2017	0	53Mn–53Cr radiometric dating of secondary carbonates in CR chondrites: Timescales for parent body aqueous alteration. Christine E. Jilly-Rehak, Gary R. Huss,
Geochimica et Cosmochimica Acta	2017	0	A divergent heritage for complex organics in Isheyevo lithis clasts. Van Kooten E. M. M. E., Nagashima K., Kasama T., Wampfler S., Ramsey J., Firmann S.,Balogh Z.,
Geochimica et Cosmochimica Acta	2017	0	A long duration of the 16O-rich reservoir in the solar nebula, as recorded in fine-grained refractory inclusions from the least metamorphosed carbonaceous
Geochimica et Cosmochimica Acta	2017	0	An experimental study of the behaviour of cerium/molybdenum ratios during subduction: Implications for tracing the slab component in the Lesser Antilles and
Geochimica et Cosmochimica Acta	2017	0	Calcium-Aluminum-Rich Inclusions Recycled During Formation of Porphyritic Chondrules from CH Carbonaceous Chondrites. Alexander N. Krot, Kazuhide
Geochimica et Cosmochimica Acta	2017	0	Calcium-aluminum-rich inclusions with fractionation and unidentified nuclear effects (FUN CAIs): II. Heterogeneities of magnesium isotopes and 26Al in the early
Geochimica et Cosmochimica Acta	2017	0	Chlorine and fluorine partition coefficients and abundances in sub-arc mantle xenoliths (Kamchatka, Russia): Implications for melt generation and volatile
Geochimica et Cosmochimica Acta	2017	0	Chronological study of oxygen isotope composition for the solar protoplanetary disk recorded in a fluffy Type A CAI from Vigarano. Kawasaki, N., Itoh, S.,
Geochimica et Cosmochimica Acta	2017	0	Conditions of stichtite (Mg6Cr2(OH)16[CO3]·4H2O) formation and its geochemical and isotope record of early phanerozoic serpentinizing environments.
Geochimica et Cosmochimica Acta	2017	0	Deep mixing of mantle melts beneath continental flood basalt provinces: Constraints from olivine-hosted melt inclusions in primitive magmas. Jennings E.S.,
Geochimica et Cosmochimica Acta	2017	0	Distribution of 26Al in the CR chondrite chondrule-forming region of the protoplanetary disk. Devin L.Schrader, Kazuhide Nagashima, Alexander N.Krot, Ryan
Geochimica et Cosmochimica Acta	2017	0	Eclogite xenoliths from Orapa: Ocean crust recycling, mantle metasomatism and carbon cycling at the western Zimbabwe craton margin. Aulbach S, Jacob DE,
Geochimica et Cosmochimica Acta	2017	0	Effects of shock and martian alteration on Tissint hydrogen isotope ratios and water content. Hallis L. J., Huss G. R., Nagashima K., Taylor G. J., Stöffler D., Smith C.
Geochimica et Cosmochimica Acta	2017	0	Fluid-induced transition from banded kyanite- to bimineralic eclogite and implications for the evolution of cratons. Sommer H, Jacob DE, Stern RA, Petts D, Mattey
Geochimica et Cosmochimica Acta	2017	0	Formation of unequilibrated R chondrite chondrules and opaque phases. Miller K. E., Lauretta D. S., Connolly H. C. Jr., Berger E. L., Nagashima K., and Domanik K.
Geochimica et Cosmochimica Acta	2017	0	Hf isotope evidence for effective impact melt homogenisation at the Sudbury impact crater, Ontario, Canada. Gavin G. Kenny, Joseph A. Petrus, Martin J.
Geochimica et Cosmochimica Acta	2017	0	High precision Al-Mg systematics of forsterite-bearing Type B CAIs from CV3 chondrites. MacPherson GJ, Bullock ES, Tenner TJ, Nakashima D, Kita NT, Ivanova MA,
Geochimica et Cosmochimica Acta	2017	0	High-temperature Rims around Calcium-aluminum-rich Inclusions from the CR, CB and CH Carbonaceous Chondrites. Alexander N. Krot, Kazuhide Nagashima,
Geochimica et Cosmochimica Acta	2017	0	In situ isotopic studies of the U-depleted Allende CAI Curious Marie: Pre-accretionary alteration and the co-existence of 26Al and 36Cl in the early solar nebula.
Geochimica et Cosmochimica Acta	2017	0	Ion Microprobe Analyses of Carbon in Fe-Ni Metal in Iron Meteorites and Mesosiderites. Joseph I. Goldstein, Gary R. Huss, Edward. D. Scott. Geochimica et
Geochimica et Cosmochimica Acta	2017	0	Juvenile crust formation in the Zimbabwe Craton deduced from the O-Hf isotopic record of 3.8–3.1 Ga detrital zircons. Robert Bolhar, Axel Hofmann, Anthony
Geochimica et Cosmochimica Acta	2017	0	Late Eocene 3He and Ir anomalies associated with ordinary chondritic spinels. Boschi S, Schmitz B, Heck PR, Cronholm A, Defouilloy C, Kita NT, Monechi S,
Geochimica et Cosmochimica Acta	2017	0	Lithium isotope fractionation by diffusion in minerals Part 2: Olivine. Richter F., Chaussidon M., Watson E. B., Mendybaev R., Homolova V. Geochimica et
Geochimica et Cosmochimica Acta	2017	0	Matrix effects on the relative sensitivity factors for manganese and chromium during ion microprobe analysis of carbonate: Implications for early Solar System
Geochimica et Cosmochimica Acta	2017	0	Oxygen and U-Th isotopes and the timescales of hydrothermal exchange and melting in granitoid wall rocks at Mount Mazama, Crater Lake, Oregon. Meagan E.
Geochimica et Cosmochimica Acta	2017	0	Oxygen isotope trajectories of crystallizing melts: Insights from modeling and the plutonic record. Claire E. Bucholz, Oliver Jagoutz, Jill A. VanTongeren, Jacob
Geochimica et Cosmochimica Acta	2017	0	Pb-Pb ages of feldspathic clasts in two Apollo 14 breccia samples. A. Nemchin, H. Jeon, J. Bellucci, J. Snape, M. Kilburn, M. Whitehouse. Geochimica et
Geochimica et Cosmochimica Acta	2017	0	Petrogenesis and provenance of ungrouped achondrite Northwest Africa 7325 from petrology, trace elements, oxygen, chromium and titanium isotopes, and mid-
Geochimica et Cosmochimica Acta	2017	0	Petrographic and C & O isotopic characteristics of the earliest stages of aqueous alteration of CM chondrites. Vacher L., Marrocchi Y., Villeneuve J., Verdier-

Geochimica et Cosmochimica Acta	2017	0	Primary multiple sulfur isotopic compositions of pyrite in 2.7 Ga shales from the Joy Lake sequence (Superior Province) show felsic volcanic array-like signature. Li
Geochimica et Cosmochimica Acta	2017	0	The boron and lithium isotopic composition of mid-ocean ridge basalts and the mantle. Marschall, H.R., Wanless, V.D., Shimizu, N., Pogge von Strandmann, P.A.E.,
Geochimica et Cosmochimica Acta	2017	0	The effect of weathering on U–Th–Pb and oxygen isotope systems of ancient zircons from the Jack Hills, Western Australia. R.T.Pidgeon, A.A. Nemchin,
Geochimica et Cosmochimica Acta	2017	0	The initial 41Ca/40Ca ratios in two type A Ca–Al-rich inclusions: Implications for the origin of short-lived 41Ca. Ming-Chang Liu. Geochimica et Cosmochimica Acta
Geochimica et Cosmochimica Acta	2017	0	Thermal and chemical evolution in the early solar system as recorded by FUN CAIs: Part I - Petrology, mineral chemistry, and isotopic composition of Allende FUN
Geochimica et Cosmochimica Acta	2017	0	Volatile and light lithophile elements in high-anorthite plagioclase-hosted melt inclusions from Iceland. Neave D., Hartley M.E., Maclennan J., Edmonds M. and
Geochimica et Cosmochimica Acta	2017	0	Coordinated U–Pb geochronology, trace element, Ti-in-zircon thermometry and microstructural analysis of Apollo zircons. Carolyn A. Crow, Kevin D. McKeegan,
Geological Magazine	2017	0	A new SIMS zircon U–Pb date from the Ediacaran Doushantuo Formation: age constraint on the Weng'an biota. CHUANMING ZHOU, XIAN-HUA LI, SHUHAI XIAO,
Geological Society	2017	0	Contrasting microfossil preservation and lake chemistries within the 1200–1000 Ma Torridonian Supergroup of NW Scotland. D. Wacey, M. Brasier, J. Parnell, T.
Geological Society	2017	0	Detrital zircon U–Pb geochronology and Hf isotope geochemistry of metasedimentary strata in the southern Brooks Range: constraints on
Geological Society	2017	0	Early Jurassic magmatism on the Antarctic Peninsula and potential correlation with the Subcordilleran plutonic belt of Patagonia. Teal R. Riley, Michael J.
Geological Society	2017	0	Geochronology of Neoarchaean granitoids of the NW eastern Dharwar craton: implications for crust formation. SUKANTA DEY, JAANA HALLA, MATTI KURHILA,
Geological Society	2017	0	Multiple intrusive phases in the Leinster Batholith, Ireland: geochronology, isotope geochemistry and constraints on the deformation history. Tobias Fritschle, J.
Geological Society	2017	0	Neoproterozoic basement history of Wrangel Island and Arctic Chukotka: integrated insights from zircon U–Pb, O and Hf isotopic studies. Eric S. Gottlieb, Victoria
Geological Society	2017	0	The diversification of granitoids and plate tectonic implications at the Archaean–Proterozoic boundary in the Bundelkhand Craton, Central India. KUMAR BATUK
Geological Society of London	2017	0	U–Pb zircon geochronology of Cretaceous arc magmatism in eastern Chukotka, NE Russia, with implications for Pacific plate subduction and the opening of the
Geology	2017	0	Combining Nd isotopes in monazite and Hf isotopes in zircon to understand complex open-system processes in granitic magmas. Christopher M. Fisher, John M.
Geology	2017	0	Evidence for hydrothermal alteration and source regions for the Kiruna iron oxide–apatite ore (northern Sweden) from zircon Hf and O isotopes. Anne Westhues,
GEOLOGY	2017	0	Meteorite flux to Earth in the Early Cretaceous as reconstructed from sediment-dispersed extraterrestrial spinels. Birger Schmitz, Philipp R. Heck, Walter Alvarez,
Geology	2017	0	The formation of large neoblasts in shocked zircon and their utility in dating impacts. Kenny, G.G., Morales, L.F., Whitehouse, M.J, Petrus, J.A., Kamber, B.S.
Geology	2017	0	Weekly to monthly time scale of melt inclusion entrapment prior to eruption recorded by phosphorus distribution in olivine from mid-ocean ridges. Manzini M.,
Geology	2017	0	Evidence for melting mud in Earth's mantle from extreme oxygen isotope signatures in zircon. Spencer C.J., Cavosie A.J., Raub T.D., Rollinson H., Michael H.J.,
Geosciences Journal	2017	0	Age and petrogenesis of Mingshui-Shuangjingzi granites from the northern Beishan area, northwest China, and their implications for tectonic evolution. Wen
GEOSPHERE	2017	0	Porphyry Cu formation in the middle Jurassic Yerington batholith, Nevada, USA: Constraints from laser Raman, trace element, U-Pb age, and oxygen isotope
Geostandards and Geoanalytical Research	2017	0	A New Appraisal of Sri Lankan BB Zircon as a Reference Material for LA-ICP-MS U-Pb Geochronology and Lu-Hf Isotope Tracing. Santos, M. M., Lana, C., Scholz, R.,
Geostandards and Geoanalytical Research	2017	0	Comment on: The F, Cl, Br and I Contents of Reference Glasses BHVO-2G, BIR-1G, BCR-2G, GSD-1G, GSE-1G, NIST SRM 610 and NIST SRM 612 by Marks et al. This
Geostandards and Geoanalytical Research	2017	0	GGR Biennial Critical Review: Analytical Developments Since 2014. Linge K. L., Bédard P., Bugoi R., Enzweiler J., Jochum K. P., Kilian R., Jingao L., Marin-Carbonne
Gondwana Research	2017	0	Recurrent magmatic activity on a lithosphere-scale structure: Crystallization and deformation in kimberlitic zircons. Irina G. Tretiakova, Elena A. Belousova,
Gondwana Research	2017	0	The evolution of Eastern Tornquist-Paleoasian Ocean and subsequent continental collisions: A case study from the Western Tatra Mountains, Central Western
Gondwana Research	2017	0	What can Hadean detrital zircon really tell us? A critical evaluation of their geochronology with implications for the interpretation of oxygen and hafnium
International Journal of Greenhouse Gas Control	2017	0	In situ δ13C and δ18O microanalysis by SIMS: A method for characterizing the carbonate components of natural and engineered CO2-reservoirs. Maciej G. S
J. Geophys. Res.: Solid Earth	2017	0	Dynamic contribution of recycled components from the subducted Pacific slab: Oxygen isotopic composition of the basalts from 106 Ma to 60 Ma in North China
Journal of African Earth Sciences	2017	0	Isotopic and geochemical constraints on lead and fluid sources of the PbZnAg mineralization in the polymetallic Tighza-Jbel Aouam district (central Morocco), and
Journal of Analytical Atomic Spectrometry	2017	0	Measurement of uranium-236 in particles by secondary ion mass spectrometry. David S. Simons and John D. Fassett. Journal of Analytical Atomic Spectrometry,
Journal of Asian Earth Sciences	2017	0	Late Triassic granites from Bangka, Indonesia: a continuation of the Main Range granite province of the South-East Asian Tin Belt. Samuel Wai-Pan Ng, Martin J.
Journal of Earth Science	2017	0	Typical oxygen isotope profile of altered oceanic crust recorded in continental intraplate basalts. Chen H., Xia Q. K, Deloule E., Ingrin J. Journal of Earth Science
Journal of Fish Biology	2017	0	Reconstructing larval growth and habitat use in an amphidromous goby using otolith increments and microchemistry. J. D. Hogan, R. Kozdon, M. J. Blum, J. F.
Journal of Geophysical Research: Planets	2017	0	Carbon contents in reduced basalts at graphite saturation: Implications for the degassing of Mars, Mercury, and the Moon. Li, Y., Dasgupta, R., and Tsuno, K.
Journal of Metamorph Geology	2017	0	Fluid generation and evolution during exhumation of deeply subducted UHP continental crust: Petrogenesis of composite granite–quartz veins in the Sulu belt,
Journal of metamorphic Geology	2017	0	Oxygen isotope thermometry using quartz inclusions in garnet. R. J. QUINN, K. KITAJIMA, D. NAKASHIMA, M. J. SPICUZZA and J. W. VALLEY. Journal of
Journal of Petrology	2017	0	Slab-Triggered Arc Flare-up in the Cretaceous Median Batholith and the Growth of Lower Arc Crust, Fiordland, New Zealand. M. Decker, J. J. Schwartz, H. H.
Journal of Petrology	2017	0	Zircon Growth during Progressive Recrystallization of Gabbro to Garnet Amphibolite, Eastern Segment, Sveconorwegian Orogen. Victoria Beckman, Charlotte
Journal of Petrology	2017	0	Zircon Hafnium–Oxygen Isotope and Trace Element Petrochronology of Intraplate Volcanic Rocks from the Eifel (Germany) and Implications for Mantle versus
Journal of the Geological Society of Sweden	2017	0	SIMS U-Pb zircon geochronology at the Kuså Ni-Cu deposit, south-central Sweden. Magnus Ripa, Tobias C. Kampmann & Fredrik A. Hellström. Journal of the
Lithos	2017	0	C-O-H-N fluids circulations and graphite precipitation in reactivated Hudsonian shear zones during basement uplift of the Wollaston-Mudjatik Transition Zone:
Lithos	2017	0	Creep of mafic dykes infiltrated by melt in the lower continental crust (Seiland Igneous Province, Norway). Alessandrini G.D., Menegon L., Malaspina N., Dijkstra
Lithos	2017	0	Latest Pleistocene crustal cannibalization at Baekdusan (Changbaishan) as traced by oxygen isotopes of zircon from the Millennium Eruption. Albert Chang-sik

Lithos	2017	0	Metasomatic alkali-feldspar syenites (episyenites) of the Proterozoic Suomenniemi rapakivi granite complex, southeastern Finland. E. Suikkanen, O.T. Rämö.
Lithos	2017	0	Neoproterozoic Rosetta Gabbro from northernmost Arabian–Nubian Shield, south Jordan: Geochemistry and petrogenesis. Ghaleb H. Jarrar, Robert J. Stern,
Lithos	2017	0	Platinum-group elements and gold in sulfide melts from modern arc basalt (Tolbachik volcano, Kamchatka) Zelenski M., Kamenetsky V. S., Mavrogenes J. A.,
Lithos	2017	0	Reconstruction of multiple P-T-t stages from retrogressed mafic rocks: Subduction versus collision in the Southern Brasília orogen (SE Brazil) Tedeschi M., Lanari
Lithos	2017	0	The aluminum-in-olivine thermometer for mantle peridotites — Experimental versus empirical calibration and potential applications. Bussweiler Y, Brey GP,
Lithos	2017	0	Tourmaline as a petrogenetic indicator in the Pfitsch Formation, Western Tauern Window, Eastern Alps. Berryman, E., Kutzschbach, M., Trumbull, R., Meixner, A.,
Lithos	2017	0	Unusual ruby–sapphire transition in alluvial megacrysts, Cenozoic basaltic gem field, New England, New South Wales, Australia. Frederick L. Sutherland, Ian T.
Lithos	2017	0	Zr-in-rutile resetting in aluminosilicate bearing ultra-high temperature granulites: Refining the record of cooling and hydration in the Napier Complex, Antarctica.
Meteoritics & Planetary Science	2017	0	Chondrule heritage and thermal histories from trace element and oxygen isotope analyses of chondrules and amoeboid olivine aggregates. Jacquet E., Marrocchi
Meteoritics & Planetary Science	2017	0	Origin and transportation history of lunar breccia 14311. Renaud E. MERLE, Alexander A. NEMCHIN, Martin J. WHITEHOUSE, Robert T. PIDGEON, Marion L.
Meteoritics & Planetary Science	2017	0	Oxygen isotope characteristics of chondrules from the Yamato-82094 ungrouped carbonaceous chondrite: Further evidence for common O-isotope environments
Meteoritics & Planetary Science	2017	0	The Miller Range 090340 and 090206 meteorites: Identification of new brachinite-like achondrites with implications for the diversity and petrogenesis of the
Meteoritics & Planetary Science	2017	0	NWA 10214—An LL3 chondrite breccia with an assortment of metamorphosed, shocked, and unique chondrite clasts. Alan E. RUBIN, John P. BREEN, Junko ISA,
Mineralogy and Petrology	2017	0	In-situ zircon U-Pb age andHf-Oisotopic constraints on the origin of the Hasan-Robat A-type granite from Sanandaj–Sirjan zone, Iran: implications for reworking of
Mineralogy and Petrology	2017	0	Platiniferous gold–tourmaline aggregates in the gold–palladium belt of Minas Gerais, Brazil: implications for regional boron metasomatism. Cabral, A. R.,
Minerals	2017	0	Optical Observations and Geochemical Data in Deep-Sea Hexa- and Octo-Coralla Specimens. Rollion-Bard C., Cuif J. - P., Blamart D. Minerals (2017), 7(9), pages
Minerals	2017	0	The Carbon and Nitrogen Isotope Characteristics of Type Ib-IaA Cuboid Diamonds from Alluvial Placers in the Northeastern Siberian Platform. Zedgenizov, D.,
Nature Astronomy	2017	0	Early Solar System irradiation quantified by linked vanadium and beryllium isotope variations in meteorites. Sossi P. A., Moynier F., Chaussidon M., Villeneuve J.,
Nature Astronomy	2017	0	Rare meteorites common in the Ordovician period. Philipp R. Heck, Birger Schmitz, William F. Bottke, Surya S. Rout, Noriko T. Kita, Anders Cronholm, Céline
Nature Communications	2017	0	Post-supereruption recovery at Toba Caldera. Adonara E. Mucek, Martin Danisik, Shanaka L. de Silva, Axel K. Schmitt, Indyo Pratomo & Matthew A. Coble. Nature
Nature Communications	2017	0	Anaerobic consortia of fungi and sulfate reducing bacteria in deep granite fractures. Henrik Drake, Magnus Ivarsson, Stefan Bengtson, Christine Heim, Sandra
Nature Communications	2017	0	Archaean zircons in Miocene oceanic hotspot rocks establish ancient continental crust beneath Mauritius. Lewis D. Ashwal, Michael Wiedenbeck & Trond H.
Nature Geoscience	2017	0	Boninite-like intraplate magmas from Manihiki Plateau require ultra-depleted and enriched source components. Golowin R., Hoernle K., Portnyagin M., Hauff F.,
Nature Geoscience	2017	0	Rise of Earth's atmospheric oxygen controlled by efficient subduction of organic carbon. Megan S. Duncan and Rajdeep Dasgupta. Nature Geoscience volume 10,
Nature Geoscience	2017	0	The hottest lavas of the Phanerozoic and the survival of deep Archaean reservoirs.
Nature ISME	2017	0	Chemical microenvironments and single-cell carbon and nitrogen uptake in field-collected colonies of Trichodesmium under different pCO2. Eichner MJ, Klawonn
Nature Scientific Reports	2017	0	Contrasting Granite Metallogeny through the Zircon Record: A Case Study from Myanmar. Nicholas J. Gardiner, Chris J. Hawkesworth, Laurence J. Robb, Martin J.
Nature Scientific Reports	2017	0	Magma reservoir dynamics at Toba caldera, Indonesia, recorded by oxygen isotope zoning in quartz. David A. Budd, Valentin R. Troll, Frances M. Deegan, Ester M.
New Zealand Journal of Geology and Geophysics	2017	0	Age and petrogenetic constraints on the lower glassy ignimbrite of the Mount Somers Volcanic Group, New Zealand. Q. H. A. van der Meer, T. E. Waight, M. J.
Ore Geology Reviews	2017	0	An Early Cretaceous carbonate replacement origin for the Xinqiao stratabound massive sulfide deposit, Middle-Lower Yangtze Metallogenic Belt, China. Li, Y., Li,
Ore Geology Reviews	2017	0	Evidence of local sourcing of sulfur and gold in an Archaean sediment-hosted gold deposit. V. Selvaraja, M. Fiorentini, H. Jeon, D.D. Savard, C.K. LaFlamme, P.
Ore Geology Reviews	2017	0	Genesis of the Dianfang breccia-hosted gold deposit, western Henan Province, China: Constraints from geology, geochronology and geochemistry. Yongfei Tian ;
Ore Geology Reviews	2017	0	Geology and mineralogy of the Ashram Zone carbonatite, Eldor Complex, Québec. Mitchell, R.H., and Smith, D.L. Ore Geology Reviews, Vol 86, June (2017) Pages
Ore Geology Reviews	2017	0	Geology, mineralogy and evolution of skarn type iron deposits in the Zanjan district, NW Iran: Constraints from U-Pb dating, Hf and O isotope analysis of zircons
Ore Geology Reviews	2017	0	Insights into ore genesis of the Jinding Zn–Pb deposit, Yunnan Province, China: Evidence from Zn and in-situ S isotopes. J. Deng, C. Wang, L. Bagas, V. Selvaraja, H.
Ore Geology Reviews	2017	0	Magnetite geochemistry of the Longqiao and Tieshan Fe–(Cu) deposits in the Middle-Lower Yangtze River Belt: Implications for deposit type and ore genesis. Xia
Ore Geology Reviews	2017	0	Mineralization and ore genesis of the Qiaoxiahala Fe-Cu-(Au) deposit in the northern margin of East Junggar terrane, Central Asian Orogenic Belt: Constraints
Ore Geology Reviews	2017	0	No genetic link between Late Cretaceous felsic dikes and Carlin-type Au deposits in the Youjiang basin, Southwest China. Zhu J-J, Hu R-Z, Richards JP, Bi X-W, Stern
Ore Geology Reviews	2017	0	Ore fluid evolution in the giant Marcona Fe-(Cu) deposit, Perú: Evidence from in-situ sulfur isotope and trace element geochemistry of sulfides. Li R. , Chen H. , Xia
Ore Geology Reviews	2017	0	Zircon recycling and crystallization during formation of chromite- and Ni-arsenide ores in the subcontinental lithospheric mantle (Serranía de Ronda, Spain) José
Palaeogeography, Palaeoclimatology, Palaeoecology	2017	0	Assessing the fidelity of marine vertebrate microfossil δ18O signatures and their potential for palaeo-ecological and -climatic reconstructions. Roelofs, B., Barham,
Physics and Chemistry of Minerals	2017	0	First high-pressure synthesis of rossmanitic tourmaline and evidence for the incorporation of Li at the X site. Kutzschbach, M., Wunder, B., Krstulovic, M., Ertl, A.,
PNAS	2017	0	Timing and tempo of the Great Oxidation Event. Ashley P. Gumsley, Kevin R. Chamberlain, Wouter Bleeker, Ulf Söderlund, Michiel O. de Kock, Emilie R. Larsson,
Precambrian Research	2017	0	2.7 Ga plume associated VHMS mineralization in the Eastern Goldfields Superterrane, Yilgarn Craton: Insights from the low temperature and shallow water, Ag-Zn-
Precambrian Research	2017	0	An anaerobic 3400 Ma shallow-water microbial consortium: Presumptive evidence of Earth's Paleoarchean anoxic atmosphere. J. William Schopf, Anatoliy B.
Precambrian Research	2017	0	An integrated U-Pb, Hf, and O isotopic provenance analysis of the Paleoproterozoic Murmac Bay Group, northern Saskatchewan, Canada. Shiels C, Partin CA, Stern
Precambrian Research	2017	0	Ca. 820-640 Ma SIMS U-Pb age signal in the peripheral Vijayan Complex, Sri

Precambrian Research	2017	0	Carbonaceous biosignatures of diverse chemotrophic microbial communities from chert nodules of the Ediacaran Doushantuo Formation. Yuangao Qu, Jiasheng
Precambrian Research	2017	0	Improving geochronological framework of the Pan-African orogeny in Cameroon: new SIMS zircon and monazite U-Pb age constraints. Xian-Hua Li, Yi Chen, Jean
Precambrian Research	2017	0	Initial breakup of supercontinent Rodinia as recorded by ca 860–840 Ma bimodal volcanism along the southeastern margin of the Yangtze Block, South China. Pu-
Precambrian Research	2017	0	Large and robust lenticular microorganisms on the young Earth. Dorothy Z. Oehler, Maud M. Walsh, Kenichiro Sugitani, Ming-Chang Liu, Christopher H. House.
Precambrian Research	2017	0	New U-Pb age constraints for the timing of gold mineralization at the Pampalo gold deposit, Archaean Hattu schist belt, eastern Finland, obtained from
Precambrian Research	2017	0	Paleoproterozoic S-type granites from the Helanshan Complex in Inner Mongolia: Constraints on the provenance and the Paleoproterozoic evolution of the
Precambrian Research	2017	0	Petrogenesis and thermal overprint of S-type granites in Helanshan region, North China Craton: Constraints on the 1.90 Ga khondalites decompression melting
Precambrian Research	2017	0	Primary sulfur isotope signatures preserved in high-grade Archean barite deposits of the Sargur Group, Dharwar Craton, India. Muller É., Philippot P., Rollion-Bard
Precambrian Research	2017	0	Proterozoic reworking of Archean (Yilgarn) basement in the Bunger Hills, East Antarctica. N.M. Tucker, J.L. Payne, C. Clark, M. Hand, R.J.M.Taylor, A.R.C. Kylander-
Precambrian Research	2017	0	Significance of large and robust, lenticular microorganisms on the young earth. D.Z. Oehler, M. M. Walsh, K. Sugitani, M.-C. Liu, and C.H. House. Precambrian
Precambrian Research	2017	0	The origin of the Palaeoproterozoic AMCG complexes in the Ukrainian Shield: new U-Pb ages and Hf isotopes in zircon. Leonid Shumlyanskyy, Chris Hawkesworth,
Precambrian Research	2017	0	The Proterozoic Choma-Kalomo Block, SE Zambia: Exotic terrane or a reworked segment of the Zimbabwe Craton? Glynn, S., Master, S., Wiedenbeck, M., Davis, D.
Progress in Organic Coatings	2017	0	Ion probe techniques to measure the distribution of substrate elements in coatings for copper alloys. Rosie Grayburn, Zachary E. Voras, Christopher M. Goodwin,
Quaternary Geochronology	2017	0	Application of combined U-Th-disequilibrium/U-Pb and (U-Th)/He zircon dating to tephrochronology. M. Danišík, A. K. Schmitt, D. F. Stockli, O. M. Lovera, I. Dunkl,
Quaternary Science Reviews	2017	0	Digesting the data - Effects of predator ingestion on the oxygen isotopic signature of micro-mammal teeth. M. Barham, A.J. Blyth, M.D. Wallwork, M.M.
Rapid Communications in Mass Spectrometry	2017	0	Influence of glass composition on secondary ion mass spectrometry instrumental mass fractionation for Si and Ca isotopic analyses. Tissandier L., Rollion-Bard C.
Reviews in Mineralogy and Geochemistry	2017	0	In Situ Analysis of Non-Traditional Isotopes by SIMS and LA–MC–ICP–MS: Key Aspects and the Example of Mg Isotopes in Olivines and Silicate Glasses. Chaussidon
Science Advances	2017	0	Early formation of planetary building blocks inferred from Pb isotopic ages of chondrules. Jean Bollard, James N. Connelly, Martin J. Whitehouse, Emily A. Pringle,
Sedimentary Geology	2017	0	High resolution ion microprobe investigation of the δ18O of carbonate cements (Jurassic, Paris Basin, France): New insights and pending questions. Vincent B.,
Sedimentary Geology	2017	0	Isotopically zoned carbonate cements in Early Paleozoic sandstones of the Illinois Basin: δ18O and δ13C records of burial and fluid flow. Adam C. Denny, Reinhard
SGA Proceedings	2017	0	The Parautochthonous Belt as a source of Grenvillian LREE-rich pegmatitic granite dykes. Turlin F., André-Mayer A.-S., Crépon A., Caumon M.-C., Vanderhaeghe O,
Terra Nova	2017	0	Phanerozoic magma underplating and crustal growth beneath the North China Craton. Ma, Qiang ; Xu, Yi-Gang; Zheng, Jian-Ping; Sun, Min; Griffin, William L.; Xia,
The Astrophysical Journal Letters	2017	0	Erratum: "Inward Radial Mixing of Interstellar Water Ices in the Solar Protoplanetary Disk" (2016, ApJL, 827, L1) Vacher L., Marrocchi Y., Verdier-Paoletti M. J.,
The Astrophysical journal. Letters	2017	0	Determining the elemental and isotopic composition of the presolar nebula from Genesis data analysis: The case of oxygen. Laming J. M., V. S. Heber, D. S.
0	2017	0	Fluorine and chlorine in mantle minerals and the halogen budget of the Earth's mantle. Urann, B.M., Le Roux, V., Hammond, K., Marschall, H.R., Lee, C.-T.A., and
0	2017	0	The search for and analysis of direct samples of early Solar System aqueous fluids. Zolensky, M. E., Bodnar, R. J., Yurimoto, H., Itoh, S., Fries, M., Steele, A., Chan,
European Journal of Mineralogy	2016	0	U-Pb geochronology of zircon and rutile from the Kokchetav metamorphic belt, northern Kazakhstan, and its tectonic implications. Zhang, R.Y., Li, X.H., Yui, T.F.,
Journal of Petrology	2016	0	Probing the Volcanic–Plutonic Connection and the Genesis of Crystal-rich Rhyolite in a Deeply Dissected Supervolcano in the Nevada Great Basin: Source of the
Science Advances	2016	0	Early scattering of the solar protoplanetary disk recorded in meteoritic chondrules. Yves Marrocchi, Marc Chaussidon, Laurette Piani and Guy Libourel (2016)
AAPG Bulletin	2016	0	Presalt stratigraphy and depositional systems in the Kwanza Basin, offshore Angola. Saller A., Rushton S., Buambua L., Inman K., McNeil R. and Dickson J.A.D. AAPG
Contributions to Mineralogy and Petrology	2016	0	Elucidating the magmatic history of the Austurhorn silicic intrusive complex (southeast Iceland) using zircon elemental and isotopic geochemistry and
Contributions to Mineralogy and Petrology	2016	0	Low δD hydration rinds in Yellowstone perlites record rapid syneruptive hydration during glacial and interglacial conditions. Ilya N. Bindeman, Jacob B.
Earth and Planetary Science Letters	2016	0	Halogen (F, Cl, Br, I) behaviour in subducting slabs: A study of lawsonite blueschists in western Turkey. Page L., Hattori K., de Hoog J.C.M. and Okay A.I. Earth and
Earth and Planetary Science Letters	2016	0	Iron and nickel isotope fractionation by diffusion, with applications to iron meteorites. Watson H. C., Richter F., Liu A. and Huss G. R. (2016) Earth Planet. Sci. Lett.
Earth and Planetary Science Letters	2016	0	The impact of degassing on the oxidation state of basaltic magmas: A case study of Kīlauea volcano. Moussallam Y. Edmonds M. Scaillet B. Peters N. Gennaro E.,
Earth and Planetary Science Letters	2016	0	The timing of compositionally-zoned magma reservoirs and mafic 'priming' weeks before the 1912 Novarupta-Katmai rhyolite eruption. Singer B.S., Costa F.,
Environmental Microbiology	2016	0	Cell-specific nitrogen- and carbon-fixation of cyanobacteria in a temperate marine system (Baltic Sea). I. Klawonn, N. Nahar J. Walve B. Andersson M. Olofsson J.
Frontiers in Earth Science	2016	0	Inferring the effects of compositional boundary layers on crystal nucleation, growth textures, and mineral chemistry in natural volcanic tephras through
Geochemistry, Geophysics, Geosystems	2016	0	Age and compositional data of zircon from sepiolite drilling mud to identify contamination of ocean drilling samples. G.D.M. Andrews, A.K. Schmitt, C.J. Busby, S.R.
Geochimica et Cosmochimica Acta	2016	0	In situ oxygen isotope compositions in olivines of different types of cosmic spherules: An assessment of relationships to chondritic particles. Rudraswami N. G.,
Geochimica et Cosmochimica Acta	2016	0	On progress and rate of the peritectic reaction Fo + SiO2 → En in natural andesitic arc magmas. Zellmer, G.F., Sakamoto, N., Matsuda, N., Iizuka, Y., Moebis, A. and
Geochimica et Cosmochimica Acta	2016	0	Water in evolved lunar rocks: Evidence for multiple reservoirs. Katharine L.Robinson, Jessica J. Barnes, Kazuhide Nagashima, Aurélien Thomen, Ian A. Franchi, Gary
Geologica Carpathica	2016	0	Perovskite, reaction product of a harzburgite with Jurassic- Cretaceous accretionary wedge fluids (Western Carpathians, Slovakia): Evidence from the whole-rock
Geological Magazine	2016	0	SIMS U–Pb zircon geochronological constraints on upper Ediacaran stratigraphic correlations, South China. CHUAN YANG, XIAN-HUA LI, MAOYAN ZHU & DANIEL J.
GEOLOGY	2016	0	Biogenic overgrowth on detrital pyrite in ca. 3.2 Ga Archean paleosols. Sami Nabhan, Michael Wiedenbeck, Ralf Milke, and Christoph Heubeck. GEOLOGY,
Geophysical Research Letters	2016	0	Sound velocities of aluminum-bearing stishovite in the mantle transition zone. Gréaux, S., Kono, Y., Wang, Y., Yamada, A., Zhou, C., Jing, Z., Inoue, T., Higo, Y.,
GFF	2016	0	Mafic magmatism in the Bakhuis Granulite Belt (western Suriname): relationship with charnockite magmatism and UHT metamorphism. Martijn Klaver, Emond

Gondwana Research	2016	0	Phanerozoic amalgamation of the Alxa Block and North China Craton: Evidence from Paleozoic granitoids, U-Pb geochronology and Sr-Nd-Pb-Hf-O isotope
Gondwana Research	2016	0	Provenance and temporal constraints of the Early Cambrian Maotianshan Shale, Yunnan Province, China. Hofmann, M.H, Li, X.H., Chen, J., MacKenzie, L.A,
Gondwana Research	2016	0	Tectonic evolution of the North Qinling Orogen from subduction to collision and exhumation: Evidence from zircons in metamorphic rocks of the Qinling Group.
Gondwana Research	2016	0	Neoproterozoic-Early Cambrian tectono-magmatic evolution of the Central Iranian terrane, northern margin of Gondwana: Constraints from detrital zircon U-Pb
International Geology Review	2016	0	Neoproterozoic crustal growth at the margin of the East Gondwana continent – age and isotopic constraints from the easternmost inliers of Oman. Whitehouse,
International Geology Review	2016	0	Age and nature of 560–520 Ma calc-alkaline granitoids of Biarjmand, northeast Iran: insights into Cadomian arc magmatism in northern Gondwana. Moghadam,
International Journal of Earth Sciences	2016	0	Monazite U–Th–Pb EPMA and zircon U–Pb SIMS chronological constraints on the tectonic, metamorphic, and thermal events in the inner part of the Variscan
International Journal of Earth Sciences	2016	0	Zircon U-Pb dating of eclogite from the Qiangtang terrane, north-central Tibet: a case of metamorphic zircon with magmatic geochemical features. Zhai, Qing-
Journal of African Earth Sciences	2016	0	Timing and tectonic implications of the Pan-African Bangangte syenomonzonite, West Cameroon: Constraints from in-situ zircon U-Pb age and Hf-O isotopes. Jean
Journal of Analytical Atomic Spectrometry	2016	0	High resolution isotopic analysis of U-bearing particles via fusion of SIMS and EDS images. Jay G. Tarolli, Benjamin E. Naes, Benjamin J. Garcia, Ashley E. Fischer
Journal of Analytical Atomic Spectrometry	2016	0	In situ SIMS Th-Pb dating of bastnaesite: constraint on the mineralization time of the Himalayan Mianning-Dechang rare earth element deposits. Ling, X.X., Li, Q.L.,
Journal of Asian Earth Sciences	2016	0	SIMS U-Pb zircon ages and Ni-Mo-PGE geochemistry of the Lower Cambrian Niutitang Formation in South China: Constraints on Ni-Mo-PGE mineralization and
Journal of Histochemistry & Cytochemistry	2016	0	Localization of Minodronate in Mouse Femora Through Isotope Microscopy. Hongo, H., Sasaki, M., Kobayashi, S., Hasegawa, T., Yamamoto, T., Tsuboi, K.,
Journal of the Geological Society	2016	0	Zircon and monazite geochronology of deformation in the Pielavesi Shear Zone, Finland: multistage evolution of the Archaean–Proterozoic boundary in the
Journal of the Geological Society	2016	0	Zircon U–Pb ages, δ18O and whole-rock Nd isotopic compositions of the Dire Dawa Precambrian basement, eastern Ethiopia: implications for the assembly of
Journal of Volcanology and Geothermal Research	2016	0	Origin and evolution of silicic magmas at ocean islands: Perspectives from a zoned fall deposit on Ascension Island, South Atlantic. Chamberlain K.J., Barclay J.,
Lithos	2016	0	Archean crustal evolution in the Southern São Francisco craton, Brazil: Constraints from U-Pb, Lu-Hf and O isotope analyses. Albert C., Farina F., Lana C., Stevens
Lithos	2016	0	Diamonds from Dachine, French Guiana: A unique record of early Proterozoic subduction. Smith C.B., Walter M.J., Bulanova G.P., Mikhail S., Burnham A.D., Gobbo
Lithos	2016	0	Diamonds from the Machado River alluvial deposit, Rondônia, Brazil, derived from both lithospheric and sublithospheric mantle. Burnham A.D., Bulanova G.P.,
Lithos	2016	0	Early Paleozoic tectonic reconstruction of Iran: Tales from detrital zircon geochronology. Hadi Shafaii Moghadam, Xian–Hua Li, William L. Griffin, Robert J. Stern,
Lithos	2016	0	New age and geochemical constraints on the origin of Quaternary adakite-like lavas in the Arabia Eurasia collision zone. Pang, K.N., Chung, S.L., Zarrinkoub, M.H.,
Lithos	2016	0	Trace element composition of silicate inclusions in sub-lithospheric diamonds from the Juina-5 kimberlite: Evidence for diamond growth from slab melts. Thomson
Lithos	2016	0	Zircon U–Pb ages and Hf–O isotopic composition of migmatites from the Zanjan–Takab complex, NW Iran: Constraints on partial melting of metasediments.
Meteoritics & planetary science	2016	0	P-O-rich sulfide phase in CM chondrites: Constraints on its origin on the CM parent body. Zhang, A. -C., Itoh, S., Yurimoto, H., Hsu, W. -B., Wang, R. -C. and Taylor,
Mineralium Deposita	2016	0	Fluid inclusion characteristics and molybdenite Re-Os geochronology of the Qulong porphyry copper- molybdenum deposit, Tibet. Yang Li, David Selby, Martin
Mineralogy and Petrology	2016	0	Monazite RW-1: a homogenous natural reference material for SIMS U–Pb and Th–Pb isotopic analysis. Xiao Xiao Ling, Magdalena H. Huyskens, Qiu Li Li, Qin Zhu
Nature	2016	0	Komatiites reveal a hydrous Archaean deep-mantle reservoir. Alexander V. Sobolev, Evgeny V. Asafov, Andrey A. Gurenko, Nicholas T. Arndt, Valentina G.
Nature Communications	2016	0	A new type of solar-system material recovered from Ordovician marine limestone. B. Schmitz, Q. -Z. Yin, M. E. Sanborn, M. Tassinari, C. E. Caplan & G. R. Huss
Nature Communications	2016	0	Molecular preservation of 1.88 Ga Gunflint organic microfossils as a function of temperature and mineralogy. J. Alleon, S. Bernard, C. Le Guillou, J.
Nature Communications	2016	0	Pliocene-Quaternary crustal melting in central and northern Tibet and insights into crustal flow. Qiang Wang, Chris J. Hawkesworth, Derek Wyman, Sun-Lin Chung,
Nature Communications	2016	0	Young asteroidal fluid activity revealed by absolute age from apatite in carbonaceous chondrite. Ai-Cheng Zhang, Qiu-Li Li, Hisayoshi Yurimoto, Naoya Sakamoto,
Nature Geoscience	2016	0	Carbon and sulfur budget of the silicate Earth explained by accretion of differentiated planetary embryos. Yuan Li, Rajdeep Dasgupta, Kyusei Tsuno, Brian
Nature Geoscience	2016	0	Early Archaean tectonics and mantle redox recorded in Witwatersrand diamonds. Katie A. Smart, Sebastian Tappe, Richard A. Stern, Susan J. Webb & Lewis D.
Nature Geoscience	2016	0	Late-stage volatile saturation as a potential trigger for explosive volcanic eruptions. Michael J. Stock, Madeleine C. S. Humphreys, Victoria C. Smith, Roberto Isaia
Nature ISME	2016	0	N2-fixation, ammonium release, and N-transfer to the microbial and classical food web within a plankton community. Adam, B., Klawonn, I., Svedén, J.B.,
Nature Scientific Reports	2016	0	Boron isotope fractionation in magma via crustal carbonate dissolution. Deegan, F.M., Troll, V.R., Whitehouse, M.J., Jolis, E.M., Freda, C. (2016). Nature Scientific
Nature Scientific Reports	2016	0	Extremely large fractionation of Li isotopes in a chromitite-bearing mantle sequence. Ben-Xun Su, Mei-Fu Zhou & Paul T. Robinson (2016) Nature Scientific Reports
Nature Scientific Reports	2016	0	Jurassic zircons from the Southwest Indian Ridge. Hao Cheng, Huaiyang Zhou, Qunhui Yang, Lingmin Zhang, Fuwu Ji & Henry Dick (2016) Nature Scientific Reports
Nature Scientific Reports	2016	0	Origin of unusual HREE-Mo-rich carbonatites in the Qinling orogen, China. Wenlei Song, Cheng Xu, Martin P. Smith, Jindrich Kynicky, Kangjun Huang, Chunwan
Nature Scientific Reports	2016	0	Understanding cold bias: Variable response of skeletal Sr/Ca to seawater pCO2 in acclimated massive Porites corals. Cole C, Finch A., Hintz C., Hintz K. and Allison
Ore Geology Reviews	2016	0	The tectonic and metallogenic framework of Myanmar: A Tethyan mineral system. Nicholas J.Gardiner, Laurence J.Robb, Christopher K.Morley, Michael P.Searle,
Palaeogeography, Palaeoclimatology, Palaeoecology	2016	0	Calibrating the Guadalupian series (middle Permian) of South China. Qiong Wu, Jahandar Ramezani, Hua Zhang, Tian-tian Wang, Dong-xun, Yuan, Lin Mu, Yi-chun
Palaeogeography, Palaeoclimatology, Palaeoecology	2016	0	High-resolution SIMS oxygen isotope analysis on conodont apatite from South China and implications for the end-Permian mass extinction. Chen, J., Shen, S.Z., Li,
PNAS	2016	0	Isotopic evidence for primordial molecular cloud material in metal-rich carbonaceous chondrites. Van Kooten E. M. M. E. Wielandt D., Schiller M., Nagashima K.,
PNAS	2016	0	Multiple sulfur-isotope signatures in Archean sulfates and their implications for the chemistry and dynamics of the early atmosphere. Muller E., Philippot P.,
PNAS	2016	0	Pedothem carbonates reveal anomalous North American atmospheric circulation 70,000–55,000 years ago. Oerter EJ, Sharp WD, Oster JL, Ebeling A, Valley JW,
PNAS	2016	0	Sulfur and lead isotopic evidence of relic Archean sediments in the Pitcairn mantle plume. Delavault H., Chauvel C., Thomassot E., Devey C., Dazas B. (2016). PNAS.

PNAS	2016	0	Warm storage for arc magmas. M. Barboni, P. Boehnke, A. K. Schmitt, T. M. Harrison, P.l Shane, A-S. Bouvier, and L. Baumgartner (2016) P. Natl. Acad. Sci. Vol
Precambrian Research	2016	0	Integrated in situ U–Pb age and Hf–O analyses of zircon from Suixian Group in northern Yangtze: New insights into the Neoproterozoic low-δ18O magmas in the
Precambrian Research	2016	0	New isotopic constraints on age and origin of Mesoarchean charnockite, trondhjemite and amphibolite in the Ntem Complex of NW Congo Craton, southern
Precambrian Research	2016	0	Three stages to form a large batholith after terrane accretion – An example from the Svecofennian orogen. Nikkilä, K., Mänttäri, I., Nironen, M., Eklund, O., Korja,
Science Direct	2016	0	Mobility of iron and nickel at low temperatures: Implications for 60Fe–60Ni systematics of chondrules from unequilibrated ordinary chondrites. Myriam Telus,
Scientific Reports	2016	0	High-pressure minerals in eucrite suggest a small source crater on Vesta. Pang, R.-L., Zhang, A.-C., Wang, S.-Z., Wang, R.-C. and Yurimoto, H. Scientific Reports
Sedimentary Geology	2016	0	Groundwater table fluctuations recorded in zonation of microbial siderites from end-Triassic strata. R. Weibel, S.Lindström, G.K.Pedersen, L. Johansson,
Tectonics	2016	0	Carboniferous and Permian evolutionary records for the Paleo-Tethys Ocean constrained by newly discovered Xiangtaohu ophiolites from central Qiangtang,
Tribology International	2016	0	Study on the processing characteristics of SiC and sapphire substrates polished by semi-fixed and fixed abrasive tools. Qiufa Luo, Jing Lu, Xipeng Xu. Tribology