Journal	Instrument	YEAR	Ref
Journal of Electronic Materials	IMS 7f	2025	Assessment of n + np HgCdTe/CdZnTe-Based Midwave Infrared Radiation Structure for Small-Scale Focal Plane Array. Singh, R., Srivastava, V., Pandey, A. et al. J. Electron. Mater. (2025). https://doi.org/10.1007/s11664-025-11858-y
Journal of Alloys and Compounds	IMS 7f	2025	High-Efficiency Cadmium-free Cu(In,Ga)Se2 Flexible Thin-film Solar Cells on Ultra-thin Glass as an Emerging Substrate, Awet Mana Amare, Inchan Hwang, Inyoung Jeong, Joo Hyung Park, Jin Gi An, Soomin Song, Young-Joo Eo, Ara Cho, Jun-Sik Cho, Seung Kyu Ahn, SeJin Ahn, Jihye Gwak, Muhammad Rehan, Hyun-wook Park, Jae Ho Yun, Kihwan Kim, Donghyeop Shin. Journal of Alloys and Compounds, 2025, 180187, ISSN 0925-8388, https://doi.org/10.1016/j.jallcom.2025.180187.
Arxiv	IMS 7f-auto	2025	Host dependence of PL5 ensemble in 4H-SiC. Jiajun Li, Hui Qi, Feifei Zhou, Yumeng Song, Nanyang Xu, Bo Hong, Hongwei Chen, Ying Dong, Xinqing Wang. https://www.arxiv.org/pdf/2503.22270#:~:text=The%20preferred%20host%20for%20PL5,for%20the%20fabrication%20of%20PL5.
Vacuum	IMS 7f	2025	Effect of intrinsic defects on the electrical properties of annealed β-Ga2O3. Xinglin Liu, Jun Huang, Qiong Zhang, Ting Zhang, Qiangmin Wei, Lei Ye. Vacuum. 2025, 114301, ISSN 0042-207X, https://doi.org/10.1016/j.vacuum.2025.114301
JVSTB	IMS 6f	2025	Secondary Ion Mass Spectrometry as a tool to analyze Semiconductor Opening Switch diodes. Marie-Amandine Pinault-Thaury, Estelle Loire, François Jomard, Anton Gusev, Mawuena Rémi Degnon, Antoine Silvestre De Ferron, Laurent Pecastaing .
Applied Surface Science	IMS 6f	2025	Development of Semi-Insulating gallium nitride layers on native substrates by magnesium ion implantation and Ultra-High-Pressure annealing. Tomasz Sochacki, Lutz Kirste, Kacper Sierakowski, Arianna Jaroszyńska, Rafal Jakiela, Michał Fijałkowski, Karolina Grabiańska, Marcin Zając, Julita Smalc Koziorowska, Artur Lachowski, Marcin Turek, Patrik Straňák, Kensuke Sumida, Michał Boćkowski. Applied Surface Science, 2025, 163155, ISSN 0169-4332, https://doi.org/10.1016/j.apsusc.2025.163155.
Journal of the American Ceramic Society	IMS 7f	2025	Effect of nitrogen doping concentration on 4H-SiC laser slicing. Qiu Chen, Yongping Yao, Jianfei Zhang, Bixue Li, Linlin Che, Xing Zhang, Haoyu Fan, Jiaqi Tian, Yan Peng, Xuejian Xie, Baitao Zhang, Rongkun Wang. Journal of the American Ceramic Society. https://doi.org/10.1111/jace.20555
JVSTA	IMS 7f	2025	Molecular beam epitaxy of boron arsenide layers. Tin S. Cheng, Jonathan Bradford, Norman, Xiaoyang Ji, Arpit Nandi, Gerardo T. Martinez, Stuart Robertson, Paul R. Edwards, James W. Pomeroy, David Cherns, Christopher J. Mellor, Robert W. Martin, Peter H. Beton, Martin Kuball, Sergei V. Novikov.J. Vac. Sci. Technol. A 43, 032705 (2025). https://doi.org/10.1116/6.0004383
Wiley	IMS 7f	2025	Growth of Semi-Insulating Mn–GaN by the Near-Equilibrium Ammonothermal Method and Its Application to a High-Voltage Photoconductive Semiconductor Switch. Tadao Hashimoto, Edward Letts, Daryl Key, Austin Gregory, Mathew Gaddy, James Dickens. https://doi.org/10.1002/pssa.202500019
Physica B: Condensed Matter	IMS 4f	2025	Electrical transport properties of unintentionally doped GaN crystals with dominant point defects. Ying-Wu Zhang, Zeng-Yin Dong, Kuang-Hong Gao, Yang Yang, Zhi-Qing Li. Physica B: Condensed Matter, 2025, 417237, ISSN 0921-4526, https://doi.org/10.1016/j.physb.2025.417237.
Journal of the European Ceramic Society	IMS 7f-auto	2025	Magnetic-field-assisted preparation of highly oriented dense ceramics for layered Ni-based Ruddlesden–Popper type compound Nd4Ni3O10+δ. S. Aoki, K. Iino, A. Nagai, T. Hashishin, M. Matsuda. Journal of the European Ceramic Society, 2025, 117443, ISSN 0955-2219, https://doi.org/10.1016/j.jeurceramsoc.2025.117443.
Diamond and Related Materials	IMS 7f	2025	Effects of substrate temperature on the characteristics of boron- doped single crystal diamond epilayers grown by hot filament chemical vapor deposition. Koki Kawasaki, Takehiro Shimaoka, Keisuke Shigemori, Hideaki Yamada. Diamond and Related Materials, 2025, 112293, ISSN 0925-9635, https://doi.org/10.1016/j.diamond.2025.112293
Small	IMS 5fE7	2025	Disentangling Carrier-Transport and Interfacial Carrier-Recombination by Mitigating Na Interstitials for 11.9% Efficient Cd-Free Cu2ZnSnS4 Solar Cells. Xiaojie Yuan, Jianjun Li, Lishuang Zhang, Jialiang Huang, Jialin Cong, Karen Privat, Zhou Xu, Yin Yao, Guojun He, Ao Wang, Xin Cui, Robert J. Patterson, Kaiwen Sun, Martin A. Green, and Xiaojing Hao. Small 2025, 2501905. DOI: 10.1002/smll.202501905
Applied Surface Science Advances	IMS 7f-auto	2025	Highly thermostable and visibly transparent Cu-thin-film planar heaters. Chankyoung Lee, Jaewoo Park, Dooho Choi. Applied Surface Science Advances, Volume 27, 2025, 100747, ISSN 2666-5239, https://doi.org/10.1016/j.apsadv.2025.100747

J. Phys. Chem. Lett	IMS Xf	2025	Insight into the High Hole Concentration of p-Type Ga2O3 via In Situ Nitrogen Doping. Yaoping LuLemin JiaDuanyang ChenTitao Li, Hongji QiXiaorui Xu, Xiaohang LiMinmin ZhuHaizhong Zhang, Xiaoqiang Lu. The Journal of Physical Chemistry Letters. J. Phys. Chem. Lett. 2025, 16, XXX, 4243–4251. https://doi.org/10.1021/acs.jpclett.5c00318
Applied Materials & Interfaces	IMS 7f-auto	2025	Characterizing Inkjet-Printed Localized n+ and p+ Poly-Si Passivating Contacts for Silicon Solar Cells: Comparisons and Insights. Jiali Wang, Thien Truong Sivacarendran Balendhran, Jinlei Ren, Marie Adier, Laura Creon, Paula Peres, Rene Chemnitzer, Pierre-Yves Corre, Zhuofeng LiHieu, T. Nguyen, Di Yan, James Bullock, Josua Stuckelberger, Daniel Macdonald, AnYao Liu, Sieu Pheng Phang. ACS Appl. Mater. Interfaces 2025, XXXX, XXX, XXX-XXX. https://doi.org/10.1021/acsami.5c05734
J. Vac. Sci. Technol. B	IMS 4f	2025	Study of zinc doped In0.53Ga0.47As/InP/InAlAs/InP heterostructures by time-of-flight; magnetic secondary ion spectrometry and high-energy x-ray photoelectron spectroscopy. G. Tsamo Tagougue. M. Veillerot, E. Martinez, V. Thoréton, M. Martin, T. Baron, G. Lefevre, S. Cavalaglio, F. Bassani. J. Vac. Sci. Technol. B 43, 033204 (2025) https://doi.org/10.1116/6.0004489.
Applied Surface Science	IMS 7f-auto	2025	Boosting AlGaN solar-blind ultraviolet phototransistor performance via Stoichiometry-Tailored In-Situ SiNx passivation, Zhuoya Peng, Shouqiang Yang, Xiulin Xie, Mian Wu, Zesheng Lv, Jiabing Lu, Hao Jiang. Applied Surface Science, Volume 703, 2025, 163416, ISSN 0169-4332, https://doi.org/10.1016/j.apsusc.2025.163416
Corrosion Science	IMS 7f	2025	Corrosion mechanism and rate limiting step for hydrogen absorption of the M5Framatome alloy., Marc Tupin, Benoît Queylat, Frantz Martin, Michael Jublot, François Jomard. Corrosion Science, 2025, 113020, ISSN 0010-938X, https://doi.org/10.1016/j.corsci.2025.113020
Journal of Chemical Physics	IMS 4f	2025	The Meaning of Li diffusion in Cathode Materials for the Cycling of Li-ion Batteries: A Case Study on LiNi0.33Mn0.33Co0.33O2 Thin Films. Erwin Hüger and Harald Schmidt.
Applied Surface Science	IMS 4f	2025	Neuronal interfaces based on UV-activated TiO2 thin films grown via atomic layer deposition, Applied Surface Science, 2025, 163526, ISSN 0169-4332, https://doi.org/10.1016/j.apsusc.2025.163526. Naida El Habra, Alessia Famengo, Giacomo Sagrini, Patrizia Canton, Stefano Boldrini, Alberto Ferrario, Alessandro Galenda, Francesca Visentin, Marta Maria Natile, Paola Bassani, Cinzia Sada, Alessandro Leparulo, Marta Maschietto, Maria Losurdo, Stefano Vassanelli
APL Materials	IMS 3f	2025	Characterization of deep-level defects in OFZ grown Nb-doped β-Ga2O3 single crystals. Ananthu Vijayan V L, Christopher A. Dawe, Sai Charan Vanjari, Vladimir P. Markevich, Matthew P. Halsall, Anthony R. Peaker, Moorthy Babu Sridharan, Martin Kuball. APL Mater. 13, 051121 (2025). https://doi.org/10.1063/5.0261436. https://pubs.aip.org/aip/apm/article/13/5/051121/3347419
Nano Micro Small	IMS Xf	2025	Nanowire-Bundled Grain Boundaries in Thermoelectric Materials. Gwang Min Park, Seunghyeok Lee, Jinseok Hong, Seokho Nahm, Seung-Hyub Baek, Jin-Sang Kim, Seung-Yong Lee, Seong Keun Kim. https://doi.org/10.1002/smll.202503539
Geochemistry	IMS 4f	2025	U–Pb Age and Chemical Characteristics of Ti-Rich Andradites from Vein Calcite–Silicate Rocks of the Akhmatovskaya and Perovskitovaya Mines in the South Urals. V. S. Stativko, M. V. Stifeeva, E. B. Salnikova, A. B. Kuznetsov, A. B. Kotov & V. V. Smolensky. Dokl. Earth Sc. 522, 39 (2025). https://doi.org/10.1134/S1028334X25606078
Laser Photonics Reviews	IMS 7f	2025	High Performance 1.3 μm III–V Quantum Dot Lasers Grown on Silicon via all MOCVD Epitaxy. Honghwi Park, Seungchul Lee, Won Seok Han, Daehwan Jung,* and HoSung Kim. Laser Photonics Rev. 2025, e00574. DOI: 10.1002/lpor.202500574
International Journal of Hydrogen Energy	IMS 7f	2025	Dual effects of deformation on hydrogen embrittlement of austenitic stainless steels revealed by hydrogen visualization combined with microstructural analysis. Makoto Kawamori, Kosuke Shibata, Rika Yoda, Shinya Morita, Yosuke Fujita, Shinya Kuroda, Bilgehan Sesen, Michael Rohwerder. International Journal of Hydrogen Energy, Volume 145, 2025, Pages 559-577, ISSN 0360-3199, https://doi.org/10.1016/j.ijhydene.2025.05.426
Applied Physics Letter	IMS 7f-Auto	2025	200 cm2/Vs Electron Mobility and Controlled Low 1015 cm-3 Si-doping in (010) β-Ga2O3 Epitaxial Drift Layers. Carl Peterson, Arkka Bhattacharyya, Kittamet Chanchaiworawit, Rachel Kahler, Saurav Roy, Yizheng Liu, Steve Rebollo, Anna Kallistova, Thomas E. Mates and Sriram Krishnamoorthy. Applied Physical Letter, Appl. Phys. Lett. 125, 182103 (2024), https://doi.org/10.1063/5.0230413
Arxiv	IMS 3f-4f	2025	Hydrogen response to high-density dislocations in bulk perovskite oxide SrTiO3. Xufei Fang, Lars Dörrer, Svetlana Korneychuk, Maria Vrellou, Alexander Welle, Stefan Wagner, Astrid Pundt, Harald Schmidt, Christoph Kirchlechner. https://arxiv.org/pdf/2506.12354

Master's Thesis	IMS 6f	2025	Electrical Properties of Al/AlOx/Al Tunnel Junc tions and Their Relation to the Structural and Chemical Characteristics of the Oxide Barrier. Aaron Wehner. Master's Thesis 2025
Journal of Mining Institute	IMS 4f	2025	Geochemistry of spodumene from pegmatites of the Laghman granitoid complex, Afghanistan. AN Evdokimov, A Yosufzai. Journal of Mining Institute, 2025.
Applied Surface Science	IMS 4f	2025	Ex-situ incorporation of Al in Ge by sputter deposition and pulsed laser melting: a new approach to fabricate hyper-doped Ge:Al alloys. Enrico Di Russo, Ettore Coccato, Daris Fontana, Giulia Maria Spataro, Chiara Carraro, Luca Bacci, Nicola Gilli, Giorgio Divitini, Gianluigi Maggioni, Vittorio Morandi, Davide De Salvador, Enrico Napolitani. Applied Surface Science. 2025, 163946, ISSN 0169-4332, https://doi.org/10.1016/j.apsusc.2025.163946
Scientific Report - Nature	IMS 7f	2025	Evaluating cluster counting of Cs complexes through the study of nitrogen implanted zirconium. A. K. Balamurugan, P. A. Manojkumar, E. Senthil Kumar & R. Ramaseshan. Sci Rep 15, 22884 (2025). https://doi.org/10.1038/s41598-025-02867-2
Russ. J. Phys. Chem	IMS Xf	2025	Effect of the InGaN/GaN Superlattice Thickness on Structures and Luminescence Performances of GaN-Based Yellow LED Grown on Patterned Sapphire Substrate. Huanyou Wang, Xie, G., Yang, X. et al. . Russ. J. Phys. Chem. 99, 1580–1584 (2025). https://doi.org/10.1134/S0036024425700955
Solar Energy Materials and Solar Cells	IMS 4f	2025	How the selenium is affecting the physical and electrical properties of ultra-thin CdSeTe/CdTe solar cells, Mariyam Mukhtar, Elisa Artegiani, Sam Machin, Andrea Gasparotto, Chiara Liliana Boldrini, Giorgio Tseberlidis, Simona Binetti, Michael Walls, Alessandro Romeo, Solar Energy Materials and Solar Cells, Volume 293, 2025, 113830, ISSN 0927-0248, https://doi.org/10.1016/j.solmat.2025.113830.
ZASTITA MATERIJALA	IMS 7f	2025	Studying the sodium effect on the Mo layer by varying the growth pressure on CIGS solar absorption Layer, Nallathambi Jones Suthan Kissinger, Scientific paper ZASTITA MATERIJALA 2 66 (2025) broj, ISSN 0351-9465, E-ISSN 2466-2585, https://doi.org/10.62638/ZasMat1334
Solid State Ionics	IMS 3f	2025	Hydrogen and lithium tracer diffusivities as a function of hydrogen concentration in Li(Nb,Ta)O3 single crystals, Claudia Kofahl, Lars Dörrer, Steffen Ganschow, Hendrik Wulfmeier, Holger Fritze, Harald Schmidt, Solid State Ionics, Volume 429, 2025, 116968, ISSN 0167-2738, https://doi.org/10.1016/j.ssi.2025.116968
Semiconductor Science and Technology	IMS Xf	2025	Infrared extinction in heavily doped CdTe:Cr single crystals at room temperature, Andrii Popovych, Volodymyr Popovych, Piotr Potera, Leonid Orshanskyi and Ihor Stolyarchuk, Semiconductor Science and Technology, DOI 10.1088/1361-6641/adf002
Journal of Alloys and Compounds	IMS 7f-Auto	2025	Microstructural effects of thermal annealing in GaInNAsSb epitaxial layers, M. Gabás, A. Landa, J. Santiso, I. Lombardero, I. García, N. Miyashita, Y. Okada, P.F. Palacios, C. Algora, Journal of Alloys and Compounds, Volume 1037, 2025, 182315, ISSN 0925-8388, https://doi.org/10.1016/j.jallcom.2025.182315
Materials Science in Semiconductor Processing	IMS 7f & 3f	2025	Influence of Al co-implantation on Ga distribution in p-type Ge. J. Perrin Toinin, A. Portavoce, M. Bertoglio, M. Descoins, M. Texier, D. Narducci, R. Daineche, K. Hoummada, Volume 199, 2025, 109877, ISSN 1369-8001, https://doi.org/10.1016/j.mssp.2025.109877.
Applied Electronic Materials	IMS Xf	2025	The Impact of NiO Interlayers and Annealing on Pt/Co for SOT-MRAM. Michelle Wijshof, Robert CarpenterGiacomo, TalmelliSébastien, CouetJeroen, E. ScheerderRikkie JorisMargriet, J. Van BaelClaudia, Fleischmann Kristiaan Temst. ACS Appl. Electron. Mater. 2025, ACS Appl. Electron. Mater. 2025, 7, 15, 6994–7002. https://doi.org/10.1021/acsaelm.5c00841.
Mineralogical Magazine	IMS 4f	2025	Gorbunovite CsLi2(Ti,Fe+3)(Si4O10)(F,OH,O)2 – a new mica supergroup mineral from the Darai-Pioz alkaline massif, Tajikistan. A.A. Agakhanov, L.A. Pautov, I.V. Pekov, V.Yu. Karpenko, O.I. Siidra, E.V. Sokolo, F.C. Hawthorne, V.A. Muftakhov, A.V. Kasatkin. Mineralogical Magazine. DOI: 10.1180/mgm.2025.31
Japanese Journal of Applied Physics	IMS Xf	2025	Experimental study on tilt and dose dependence and a proposal for a simplified model for simulation in magnesium channeled implantation into GaN (0001). Atsushi Suyama, Hideaki Minagawa, Masahiko Aoki, Kazuhiro Yokota, Hitoshi Kawanowa and Jun Suda. Jpn. J. Appl. Phys. 64 086502. DOI 10.35848/1347-4065/adf679
IEEE Electron Device Letters	IMS Xf	2025	Mobility-Enhanced Nitrogen-Polar GaN/AlGaN Heterostructure by Stress Modulation. Haotian Ma; Gaoqiang Deng; Shixu Yang; Yusen Wang,, Jilin University, Changchun, Jingkai Zhao; Changcai Zuo. IEEE Electron Device Letters. DOI: 10.1109/LED.2025.3595399
Ceramics International	IMS 7f-Auto	2025	Microscopic control of mechanical properties of MPCVD single-crystal diamond through nitrogen doping, Ke Huang, Peng Liu, Liping Zheng, Juping Tu, Liangxian Chen, Junjun Wei, Jinlong Liu, Chengming Li. Ceramics International, 2025,,ISSN 0272-8842, https://doi.org/10.1016/j.ceramint.2025.08.099

Information & Functional Materials	IMS 4f	2025	Concentration control of aluminum dopant in 4H-SiC epitaxy by monomers selection on atomic step surfaces. Junqi Yao, Hangyang Chen, Weining Qian, Feihong Huang, Haonan Chen, Wenyu Kang, Junyong Kang. Information & Functional Materials. DOI: 10.1002/ifm2.35
Diamond and Related Materials	IMS 7f-Auto	2025	Binder-free high-pressure, high-temperature surface-porous boron-doped polycrystalline diamond for electrochemical degradation of organic pollutants. Keke He, Menghua Wu, Weixia Shen, Chao Fang, Xun Yang, Ye Wang, Yuewen Zhang, Liangchao Chen, Qianqian Wang, Biao Wan, Zhuangfei Zhang. Diamond and Related Materials, Volume 159, Part A, 2025, 112744, ISSN 0925-9635, https://doi.org/10.1016/j.diamond.2025.112744
Materials Science in Semiconductor Processing	IMS 4f	2025	Hyperdoping of Ge/Si and SiGe/Si epitaxial layers by UV-nanosecond laser processing. Giulia Maria Spataro, Marco Faverzani, Enrico Di Russo, Davide Impelluso, Stefano Calcaterra, Moreno Patanè, Chiara Carraro, Davide De Salvador, Paolo Biagioni, Jacopo Frigerio, Enrico Napolitani. Materials Science in Semiconductor Processing, Volume 200, 2025, 109928, ISSN 1369-8001, https://doi.org/10.1016/j.mssp.2025.109928
ACS Photonics	IMS Xf	2025	High-Performance Self-Powered UV Photodetectors Enabled by Diamond Homojunctions. Yanran Wu, Xigui Yang, Jinxu Qin Shoulong, Lai Zhenfeng, Zhang Chaofan, Lv Hang, Liu Jinhao, Zang Chongxin Shan. ACS Photonics. https://doi.org/10.1021/acsphotonics.5c01256
Journal of Mining Institute	IMS 4f	2025	STATIVKO, Vladislav S., KUZNETSOV, Anton B., SMOLENSKY, Vadim V., et al. JOURNAL OF MINING INSTITUTE, 2025, vol. 274, p. 76-94.
Journal of Mining Institute	IMS 4f	2025	EVDOKIMOV, Aleksandr N. et YOSUFZAI, Ataullah. JOURNAL OF MINING INSTITUTE, 2025, vol. 274, p. 45-62.
Nature Portfolio	IMS Xf	2025	Homojunction Sb2Se3 Solar Cell. Tao Chen, Junjie Yang, Jianyu Li, Shuwei Sheng, Zhiyuan Cai, Ke Li, Zichen Ruan, Bo Che, Rongfeng Tang. DOI: https://doi.org/10.21203/rs.3.rs-7257351/v1
Solar Energy Materials and Solar Cells	IMS 4f-E7	2025	Inverted p/n InGaAs-based thermophotovoltaic converters via control of Zn out-diffusion from InP layers. Aitana Cano, Pablo Martín, Ignacio Rey-Stolle, Iván García. Solar Energy Materials and Solar Cells, Volume 294, 2026, 113927, ISSN 0927-0248, https://doi.org/10.1016/j.solmat.2025.113927.
Crystal Growth & Design	IMS 4f-E6	2025	Polarity inversions within AlN films on sapphire exploiting silicon and oxygen diffusion during high temperature annealing. V. Bonito Oliva, S. Hagedorn, E. Robin, H. Kirmse, J. L. Rouviere, H. Okuno, B. Damilano, T. Remmele, A. Michon, T. Schulz, H. Amari, M. Albrecht and P. Vennéguès. Crystal Growth & Design. https://hal.science/hal-05227803/document
Corrosion Science	IMS 7f	2025	Corrosion and carburization behavior of high-chromium alloys in high-temperature supercritical CO_2 with 3.1% H_2O addition. Ho Jung Lee, Gokul Obulan Subramanian, Changheui Jang. Volume 257, 2025, 113305, ISSN 0010-938X, https://doi.org/10.1016/j.corsci.2025.113305
Small	IMS 7f	2025	Optimized Rear-Interface Passivation of SnS Thin-Film Solar Cells Using a Controlled Germanium Oxide Interlayer for Enhanced Photovoltaic Performance. Rahul K. Yadav, Vishesh Manjunath, Yong Tae Kim, Girish U. Kamble, Wookyung Jeon, Parag R. Patil, Neha Bisht, Jin Hyeok Kim, Yohan Yoon, and Jaeyeong Heo. Small 2025, e07626. https://doi.org/10.1002/smll.202507626
The Astrophysical Journal	IMS 6f	2025	Effects of Crystal Orientation and Temperature on Space Irradiation of Silicates. Xiandi Zeng, Ziliang Jin, Maitrayee Bose, Richard Hervig, Tao Long. The Astrophysical Journal, Volume 991, Number 2, Xiandi Zeng et al 2025 ApJ 991 159, DOI 10.3847/1538-4357/adfec9
Padua Thesis and Dissertation Archive	IMS 4f	2025	Hyperdoping of Epitaxial Ge:P Layers by UV Nanosecond Laser Processing. SCANDOLARA, BENEDETTA. Padua Thesis and Dissertation Archive
	IMS 4f	2025	Plasma-assisted fabrication of NiO nanoarchitectures: from design to oxygen evolution electrocatalysis
Nature Scientific Report	IMS 4f-E6	2025	Structural, optical and electrical properties of Si-rich and N-rich PECVD silicon nitride films. Moussi, T.A., O'Dalaigh, C., Raynaud, P. et al. . Sci Rep 15, 33646 (2025). https://doi.org/10.1038/s41598-025-14296-2
ACS Applied Materials & Interfaces	IMS 7f	2025	Close Space Sublimation Growth of Sb2(S,Se)3 Thin-Film Solar Cells. Daniya A. Sindi, Thomas P. Shalvey, Matthew. J. Smiles, Tim. D. Veal, Leon Bowen and Jonathan. D. Major. ACS Applied Materials & Interfaces Article ASAP, DOI: 10.1021/acsami.5c10627
Journal of Materials Science: Materials in Energy	IMS 3f-4f	2025	Lithium diffusion in ion-beam sputtered amorphous LiNi0.33Mn0.33Co0.33O2 films after electrochemical cycling. Hüger and Schmidt Journal of Materials Science: Materials in Energy (2025) 1:5, https://doi.org/10.1007/s44308-025-00007-w
Acta Materialia	IMS 7f	2025	Asymmetrical defect sink behavior of HCP/BCC Zr/Nb multilayer interfaces: Bubble-denuded zones at Nb layers. N. Daghbouj , H.S. Sen b, M. Bensalem a, J. Ducho˘n c , B. Li d, M. Karlík e , F. Ge, V. Krsjak g , P. B´abor h, M.O. Liedke i , M. Butterling j , A. Wagner g,i, B. Karasulu ,T. Polcar. Acta Materialia, 301, Article 121579. https://doi.org/10.1016/j.actamat.2025.121579

Solid-State Electronics	IMS 6f	2025	Traps and radio-frequency characterization of polysilicon layer on high resistivity silicon substrate. Eric Vandermolen, Philippe Ferrandis, Frédéric Allibert, Emmanuel Augendre, Massinissa Nabet, Martin Rack, Jean-Pierre Raskin, Mikaël Cassé. Solid-State Electronics, 2025, 109269, ISSN 0038-1101, https://doi.org/10.1016/j.sse.2025.109269.
Applied Surface Science	IMS 7f	2025	Precursor ligand chemistry-driven engineering of SiNx gate insulators for enhanced IGZO TFTs. Tae Heon Kim, Sang-Hyun Kim, YuJin Yang, Ji Min Kim, Tae-Kyung Kim, Ki-Cheol Song, Yeonhee Lee, Jin-Seong Park, Applied Surface Science, Volume 719, 2026, 165034, ISSN 0169-4332, https://doi.org/10.1016/j.apsusc.2025.165034
International Journal of Refractory Metals and Hard Materials	IMS 4f-E7	2025	Wear behavior of uncoated and coated Si_3N_4-based ceramic tool, and their effect on surface integrity in dry machining of gray cast iron. Aissa Laouissi, Djamila Atmani, Hassan Guendouz, Khaoula Safi, Atmane Djermoune, Mohamed Athmane Yallese, International Journal of Refractory Metals and Hard Materials, Volume 135, 2026, 107527, ISSN 0263-4368, https://doi.org/10.1016/j.ijrmhm.2025.107527
UC Santa Barbara Electronic Theses and Dissertations	IMS 7f-Auto	2025	Development of Efficient and Spectrally Stable c-plane True Red III-Nitride Light Emitting Diodes. Rienzi, Vincent. https://escholarship.org/uc/item/1zk4w15w
Solar RRL	IMS 7f	2025	Studying the Impact of Impurities on the Performance of Cadmium-Free all Sputtered CIGS Solar Cells Using Titanium–Tungsten Barrier. Tanvi Upreti, Jan Keller, Lasse Vines, Muhammad Israr-Qadir, Esko Niemi, Marika Edof. Solar RRL, 2025; 0:e202500468. https://doi.org/10.1002/solr.202500468
Nuclear Instruments and Methods in Physics Research Section B	IMS 7f-Auto	2025	HAMSTER – a new universal 1-MV AMS facility at HZDR with ion cooler and SIMS capabilities. A. Wallner, J. Lachner, T. Döring, S. Fichter, T. Hauser, D. Koll, A. O'Connor, G. Rugel, K. Stübner, M. Sundquist, C. Vivo-Vilches, A. Wieser, S. Winkler, J. Wolf, R. Ziegenrücker, S. Zwickel. Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume 570, 2026,165890, ISSN 0168-583X, https://doi.org/10.1016/j.nimb.2025.165890
Geochemistry International	IMS 7f	2025	Halogens (F, Cl) in Natural Diamond: SIMS Study. Kaminsky, F.V., Ber, B.Y., Kazantsev, D.Y. et al. Geochem. Int. 63, 861–871 (2025). https://doi.org/10.1134/S0016702925600531
Surfaces	IMS 3f	2025	Diffusion Barriers for Electrodes in Resistance Spot Welding of Aluminum Alloys—Investigation of Coating Characteristics Using Nanoindentation and SEM Analysis. Sascha Brechelt, Henning Wiche, Jochen Junge, René Gustus, Harald Schmidt and Volker Wesling. Surfaces 2025, 8(4), 81; https://doi.org/10.3390/surfaces8040081
METALLURGICAL AND MATERIALS TRANSACTIONS A	IMS 3f	2025	Zn Tracer Diffusion in a-Cu64Zn36: Bridging Experiments and Simulations. DURGA PRASANTH DUDE, YIRAN ZHU, LARS DO¨ RRER, HOANG-THIEN LUU, BABETTE TONN, HARALD SCHMIDT and NINA MERKERT. METALLURGICAL AND MATERIALS TRANSACTIONS A. https://doi.org/10.1007/s11661-025-07991-2
Progress in Photovoltaics: Research and Applications	IMS 4f	2025	CdCl2 Treatment for Cu2ZnSn(S,Se)4: A Method to Enhance the Solar Cell Performance. Prabeesh Punathil, Elisa Artegiani, Solidea Zanetti, Simya O K, Luca Lozzi, A. Gasparotto, Fabio Piccinelli, C. L. Boldrini, S. Binetti, Alessandro Romeo. Progress in Photovoltaics: Research and Applications, 2025; 0:1–15 https://doi.org/10.1002/pip.70034
Progress in Photovoltaics: Research and Applications	IMS 4f	2025	Sb2Se3 Thin Films for Doping the Absorber in CdTe Solar Cells. Elisa Artegiani, Andrea Gasparotto, Sam Machin, Michael Walls and Alessandro Romeo. Progress in Photovoltaics: Research and Applications, 2025; 0:1–10, https://doi.org/10.1002/pip.70037
International Geology Review	IMS 4f	2025	The epilogue of Palaeoproterozoic tectonics in Eastern Sarmatia (W. Russia): insights from ~2 Ga bimodal post-collisional magmatism of the Mikhailovsky far-field continental back-arc basin. Tsybulyaev, S. V., Savko, K. A., Samsonov, A. V., Larionov, A. N., Korish, E. H., Bazikov, N. S., & Chervyakovskaya, M. V. International Geology Review, 1–20. https://doi.org/10.1080/00206814.2025.2594635
Journal of Applied Physics	IMS 7f-Auto	2025	Reversible topotactic reduction induced metal–insulator transformations in La2/3Sr1/3MnO3 thin films. Long Wei, Peiheng Jiang, Yuhao Hong, Zhixiong Deng, Shilin Hu, Wen Xiao, Tianyang Wang, Lei Wang, Ziyue Shen, Yulin Gan, Kai Chen, Zhaoliang Liao. J. Appl. Phys. 7 December 2025; 138 (21): 215302. https://doi.org/10.1063/5.0303745
Polar Science	IMS 4f	2025	Neoproterozoic crustal evolution of Rayner province, East Antarctica: New insight from subglacial drilling. Ilnur Abdrakhmanov, German Leitchenkov, Sergey Skublov, Pavel Talalay, Laysan Salimgaraeva, Nan Zhang, Bing Li. Polar Science, https://doi.org/10.1016/j.polar.2025.101314

ECS Journal of Solid State Science and Technology	IMS 7f	2025	Ligand Effects in Niobium Precursors for Atomic Layer Deposition of Niobium Oxide Films. Cha-Hee Kim, Khabib Khumaini, Okhyeon Kim, Hye-Lee Kim, Jang-Hyeon Seok, Jung Woo Park and Won-Jun Lee. ECS Journal of Solid State Science and Technology, Volume 14, Number 12. DOI 10.1149/2162-8777/ae2778
Applied Surface Science Advances	IMS 7f	2025	Optimization of Zr concentration in HZO-based charge trap layers for enhanced flash memory performance. Sang Hyeok Kim, Donghyun Kim, Inkyu Yoon, Somi Lee, Yunhye Jang, Lae Hyeong Jeong, Seunggyu Lee, Jiyong Woo, Jae Woo Lee. Applied Surface Science Advances, Volume 31, 2026, 100914, ISSN 2666-5239, https://doi.org/10.1016/j.apsadv.2025.100914
Intermetallics	IMS 7f	2025	Embrittlement after high-temperature exposure to air of a near-γ TiAl alloy. Frederic Habiyaremye, Camille Thenot, Pierre Sallot, Daniel Monceau, Jean-Philippe Monchoux. Intermetallics, Volume 189, 2026, 109108, ISSN 0966-9795, https://doi.org/10.1016/j.intermet.2025.109108
Journal of Non-Crystalline Solids	IMS 7f-Auto	2026	Electron-beam-induced reversible crystalline–amorphous phase switching in silicon: A unified beam-heating perspective. Sung Bo Lee, Jaehun Kim, Jeongin Paeng, Sung-Gyu Kang, Jihye Kwon, Chi Won Ahn, Hyoung Seop Kim. Journal of Non-Crystalline Solids, Volume 674, 2026, 123920, ISSN 0022-3093, https://doi.org/10.1016/j.jnoncrysol.2025.123920
Applied Surface Science	IMS 7f-Auto	2026	High-temperature high-growth-rate atomic layer deposition of SiO2 using hexamethyldisilylamino-dimethylamino-silane. Changgyu Kim, Okhyeon Kim, Tanzia Chowdhury, Mi-Soo Kim, Hye-Lee Kim, Seunggyun Hong, Byung-Kwan Kim, Jin Sik Kim, Wonyong Koh, Won-Jun Lee. Applied Surface Science, Volume 723, 2026, 165606, ISSN 0169-4332, https://doi.org/10.1016/j.apsusc.2025.165606
Chemical Geology	IMS 7f	2026	From bacterial to thermochemical sulfate reduction: Sulfur isotope constraints on the genesis of hyper-enriched black shales. Kyle M. Henderson, James R. Clark, Anthony E. Williams-Jones, Ryan Sharpe, Mostafa Fayek. Chemical Geology, Volume 702, 2026, 123207, ISSN 0009-2541, https://doi.org/10.1016/j.chemgeo.2025.123207
J Radioanal Nucl Chem	IMS 7f	2026	Interlaboratory comparison of secondary ion mass spectrometry analysis results from the 7th international technical nuclear forensics working group collaborative material exercise. Lorincik, J., Tenner, T.J., Elantyev, I. et al. J Radioanal Nucl Chem (2025). https://doi.org/10.1007/s10967-025-10651-9
Opt. Express	IMS 7f-Auto	2026	Helium as an exceptional protective gas for femtosecond laser processing of crystalline silicon. Jun-Jie Zhu, Ji-Hong Zhao, Zi-Xuan Li, Xiao-Hang Liu, Zhan-Guo Chen, Xian-Bin Li, Qi-Dai Chen, and Hong-Bo Sun. Opt. Express 33, 54586-54597 (2025)
The Japan Society of Applied Physics	IMS xf	2026	Red-emitting μLEDs based on graded-indium InGaN nanoplatelets. Qingyuan Han, Wentao Cai, Jia Wang, Yuta Furusawa, Haitao WANG, Xigen Li, Heajeong Cheong, Yoshio Honda and Hiroshi Amano. The Japan Society of Applied Physics. DOI 10.35848/1347-4065/ae3040
Advanced Electronic Materials	IMS xf	2026	ALD Reactivity-Driven 2DEG-Like Interfacial Conduction in Nanolaminate InGaZnO Transistors toward High-Mobility and Stable Oxide Electronics. Yoon-Seo Kim, Daejung Kim, Ki-Cheol Song, Yeonhee Lee, Hyeong-Suk Yoo, Young Jae Kim, Jonghoon Kim, Jin-Seong Park. Advanced Electronic Materials, 2025; 0:e00642. https://doi.org/10.1002/aelm.202500642
Nature Scietific Report	IMS 7f	2026	Study of the process-structure-property correlation in CVD-SiC coatings on graphite substrates. Yanli Huo, Shouwan Qin, Yufeng Chen, Taisheng Yang, Hailin Liu, Jiajia Ma, Bing Ai, Zetan Liu, Hailong Liang & Huaping Son. Nature Scientific report. Sci Rep (2025). https://doi.org/10.1038/s41598-025-34258-y
Materials Today	IMS 7f	2026	Epitaxial growth of highly stacked SiGe(:B)/Si multilayers without strain relaxation for vertically stacked device applications. Dongmin Yoon, Seonwoong Jung, Hyerin Shin, Seokmin Oh, Jungwoo Kim, Dae-Hong Ko. Materials Today, 2025, ISSN 1369-7021, https://doi.org/10.1016/j.mattod.2025.12.030.
Catalysts	IMS 7f	2026	Electrochemical Reduction of CO2 Using Polycrystalline . Phosphorus-Doped Diamond Electrode. Tomokiyo Moriguchi and Yasuaki Einaga. Catalysts 2026, 16, 54. https://doi.org/10.3390/catal16010054
PhD	IMS 4fe7	2026	Multi-scale Compositional and Optoelectronic Characterisation of Photovoltaic Devices. Yifu Shi, St Catherine's College University of Oxford. https://ora.ox.ac.uk/objects/uuid:8e6bcc50-eab7-496c-a42d-fddc2fb0c884/files/dhd76s077j
International Journal of Hydrogen Energy	IMS 7f	2026	Effects of rare-earth ion species and their concentrations on the proton conductivity of ceria, Takuya Yamaguchi, Tomohiro Ishiyama, Haruo Kishimoto, Katherine Develos-Bagarinao, Katsuhiko Yamaji, International Journal of Hydrogen Energy, Volume 208, 2026, 153562, ISSN 0360-3199, https://doi.org/10.1016/j.ijhydene.2026.153562

Energy Material Advances	IMS 7f	2026	Highly Efficient Perovskite/CIGS Tandem Enabled by Modification of Band Profile of CIGS Bottom Cell. Passarut Boonmongkolras, Jaehyuk Koh, Hojin Lee, Seunghwan Ji, Jihye Gwak, Kihwan Kim, Byungha Shin. Energy Material Advances. https://spj.science.org/doi/pdf/10.34133/energymatadv.0263
Diamond and Related Materials	IMS 7f	2026	High pressure synthesis and boron distribution of boron-doped nano-polycrystalline diamond, Fumihide Sakano, Kazuhiro Ikeda, Koji Kuramochi, Takuya Sasaki, Ken Niwa, Norimasa Nishiyama, Yutaka Kobayashi, Masashi Hasegawa, Diamond and Related Materials, 2026, 113311, ISSN 0925-9635, https://doi.org/10.1016/j.diamond.2026.113311
High Temperature Corrosion of Materials	IMS 7f	2026	Compared SIMS and NanoSIMS Analyses of Duplex Oxide Layers Growth After Sequential Oxidation Tests Using Oxygen Isotope Tracers. Sergio Diez Mayo, Fabien Rouillard, François Jomard, Maximilien Verdier Paoletti, Laure Martinelli. High Temperature Corrosion of Materials (2026) 103:13. https://doi.org/10.1007/s11085-025-10372-0
Materials Science in Semiconductor Processing	IMS 4f	2026	How the absorber thickness affects the electrical and structural properties of Sb2Se3 solar cells. N. Torabi, J.M. Delgado-Sanchez, E. Artegiani, J. Kuliček, B. Rezek, P. Jakuza, M. Meneghini, A. Romeo, Materials Science in Semiconductor Processing, Volume 206, 2026, 110428, ISSN 1369-8001, https://doi.org/10.1016/j.mssp.2026.110428.
Nano Energy	IMS 6f	2026	Delayed luminescence in sub-5 μm InGaN/GaN fin-LEDs with efficiency enhancement by UV-induced moisture adsorption. SeungJe Lee, Sangwon Nam, Jin Il Jang, Yuna Kwon, Huiyeong Kang, Yong Jae Lee, Keyong Nam Lee, Gang Yeol Yoo, Changwook Kim, Hyun Min Cho, Hyung Min Kim, Heesun Yang, Jae Kyu Song, Young Rag Do, Nano Energy, Volume 149, 2026, 111746, ISSN 2211-2855, https://doi.org/10.1016/j.nanoen.2026.111746
SSLCHINA: IFWS	IMS 7f-Auto	2026	Study on Carrier Concentration and Signal Enhancement of SiC MOSFET Based on SCM. Q. Hu et al ,2025 22nd China International Forum on Solid State Lighting & 2025 11th International Forum on Wide Bandgap Semiconductors (SSLCHINA: IFWS), Xiamen, China, 2025, pp. 112-115, doi: 10.1109/SSLCHINAIFWS69008.2025.11314989.
Surfaces and Interfaces	IMS 7f	2026	Deactivation Phenomena of Highly B-doped SiGe Epitaxial Films Subjected to Nanosecond Laser Annealing Followed by Rapid Thermal Annealing. Chunghee Jo, Dae-Hong Ko. Surfaces and Interfaces, 2026, 108589, ISSN 2468-0230, https://doi.org/10.1016/j.surfin.2026.108589
Materials Science in Semiconductor Processing	IMS 7f	2026	Towards intermediate band solar cells based on (Cr + N) co-doped TiO2 – PART 1: Nitrogen incorporation. T. Brakstad, H. Lysne, M.G. Michaelsen, M. Kildemo, T. Reenaas .Materials Science in Semiconductor Processing, Volume 206, 2026, 110421, ISSN 1369-8001, https://doi.org/10.1016/j.mssp.2026.110421
Materials Science in Semiconductor Processing	IMS 7f	2026	Towards intermediate band solar cells based on (Cr + N) co-doped TiO2 – PART 2: Optical Properties and Microstructure. H. Lysne, T. Brakstad, A. Rosnes, M.G. Michaelsen, M. Kildemo, R. Holmestad, T. Reenaas. Materials Science in Semiconductor Processing, Volume 206, 2026, 110449, ISSN 1369-8001, https://doi.org/10.1016/j.mssp.2026.110449
arxiv	IMS 7f-Auto	2026	Gain-Layer Project. Niels G. et al. https://arxiv.org/pdf/2601.16049
arxiv	IMS 7f	2026	Colour Centre Formation in Silicon-On-Insulator for On-Chip Photonic Integration. Arnulf J. Snedker-Nielsen, David R. Gongora, Magnus L. Madsen, Christian H. Christiansen, Eike L. Piehorsch, Mathias Ø. Augustesen, Elvedin Memisevic, Sangeeth Kallatt, Rodrigo A. Thomas, Mark Kamper, Svendsen, Peter Krogstrup Jeppesen, Marianne E. Bathen, Lasse Vines, Peter Granum and Stefano Paesani. https://arxiv.org/pdf/2601.17919
arxiv	IMS 6f	2026	ZnCdO:Eu Epitaxially Grown Alloys for Self Powered Ultrafast Broadband Photodetection. Igor Perlikowski, Eunika Zielony, Aleksandra Wierzbicka, Anastasiia Lysak, Rafał Jakieła, Ewa Przeździecka. https://arxiv.org/pdf/2602.04426
Materials	IMS 7f	2026	Challenges and Practices in the Analysis of Silicon Kerf from the PV Industry by Combinatorial Analytical Methods. Mubaiwa, Tinotenda, Marisa Di Sabatino, Sergey Khromov, Marthe Nybrodahl, Alexander Azarov, and Jafar Safarian. 2026. Materials 19, no. 3: 541. https://doi.org/10.3390/ma19030541
Analytical Chemistry	IMS Xf	2026	A Novel Strategy for Synthesizing Matrix-Matched Microanalysis Reference Materials via Hydrothermal Precursors and Ultrahigh-Pressure Sintering. Youwei Chen, Sen Lin, Jian-Feng Gao, Xianwu Bi, Guoqiang Tang, Zhian Bao, Qing Yang, Zexian Cui, Shaohua Dong, Ruizhong Hu. Anal. Chem. 2026, XXXX, XXX, XXX-XXX. https://doi.org/10.1021/acs.analchem.5c07701
Journal of Geophysical Research	IMS 6f	2026	Strength α-Quartz: New Results From High Pressure In Situ X-Ray Diffraction Experiments. D. A. Jivanjee Medina, S. Kaboli, B. M. Patterson, P. C. Burnley. Journal of Geophysical Research: Solid Earth, 131, e2025JB032753. https://doi.org/10.1029/2025JB032753

Applied Surface Science	IMS 7f	2026	High-temperature interfacial stability of In2O3 FETs with SiO2 versus Al2O3 insulators enabling 3 nm channel scaling. Hye-Jin Oh, Jun-Yeoub Lee, Jun Young Beom, Ji Eun Sun, Chi-Hoon Lee, Chang-Kyun Park, Duho Kim, Minhyuk Kim, Junseok Lee, Seunghyun Cho, Donghwan Lee, Jinhyuk Yoo, Jin-Seong Park, Applied Surface Science, Volume 730, 2026, 166278, ISSN 0169-4332, https://doi.org/10.1016/j.apsusc.2026.166278
Materials Characterization	IMS 7f	2026	Effect of intergranular boron segregation on cross-tension strength in medium-Mn TRIP and dual-phase steel dissimilar resistance spot welds, Gitae Park, Sangho Uhm, Changhee Lee, Materials Characterization, Volume 233, 2026, 116151, ISSN 1044-5803, https://doi.org/10.1016/j.matchar.2026.116151
Applied Physics Letter	IMS 7f-Auto	2026	High-mobility nitrogen-polar GaN/AlGaN heterostructures via impurity modulation. Haotian Ma, Gaoqiang Deng, Shixu Yang, Yusen Wang, Jingkai Zhao, Changcai Zuo, Yi Li, Haozhe Gao, Yuliang Liu, Xiang Lin, Tianpeng Yang, Yuantao Zhang. Appl. Phys. Lett. 128, 072101 (2026). https://doi.org/10.1063/5.0313847
J. Mater. Chem. A	IMS 4f	2026	Efficient and selective seawater oxidation by manganese ferrite electrocatalysts obtained via a vapor phase strategy. Alessandro Bigiania, Alberto Gasparotto, Gian Andrea Rizzi, Cinzia Sadab, Raffaella Signorinia, Alessia Famengoc, Davide Barrec, Oleg I. Lebedev, Evgeny Modinf, Mamour Sall and Chiara Maccato. J. Mater. Chem. A, 2026, Advance Article. DOI: 10.1039/D5TA10304E
Diamond and Related Materials	IMS 7f	2026	Properties of growth sectors in IIb diamond grown by the HPHT method using a precursor enriched with BaCO3. V.A. Kravets, S.N. Bocharov, B.E. Burakov, K.N. Orekhova, E.V. Dementeva, G.A. Gusev, P.A. Dementev, B.Ya. Ber, D.Yu. Kasantsev, M.V. Tokarev, E.A. Vasilev, M.V. Zamoryanskaya, Diamond and Related Materials, Volume 164, 2026, 113492, ISSN 0925-9635, https://doi.org/10.1016/j.diamond.2026.113492.
Appl. Phys. Lett	IMS xf	2026	Reduction of carbon impurities in GaN grown by MOCVD using an NH3-plasma source. Hisashi Yamada, Tokio Takahashi, Takahiro Gotow, Naoto Kumagai, Yuya Yamashita, Tetsuji Shimizu, Xue-lun Wang, Hitoshi Miura, Nobuaki Takahashi. Appl. Phys. Lett. 2 March 2026; 128 (9): 091903. https://doi.org/10.1063/5.0322108
Surface Science	IMS 4f	2026	Combined energy and TOF analyses of low-energy elastic recoil detection for analyzing the topmost surface of atomic deuterium-irradiated rutile TiO2(001) crystals. Taku T. Suzuki, Isao Sakaguchi, Soshi Iimura, Tomoaki Nishimura, Bun Tsuchiya. Surface Science, Volume 769, 2026, 122967, ISSN 0039-6028, https://doi.org/10.1016/j.susc.2026.122967
Dyes and Pigments	IMS 6f	2026	Color-tunable and conductive ITO-based multilayer electrodes for Cu(In,Ga)Se2 thin-film solar cells. Rina Kim, Dae-Hyung Cho, Woo-Jung Lee, Tae-Ha Hwang, Mangu Kang, Donghyeop Shin, Kihwan Kim, Yong-Duck Chung. Dyes and Pigments, Volume 251, 2026, 113697, ISSN 0143-7208, https://doi.org/10.1016/j.dyepig.2026.113697
Science AdvAnceS	IMS 7f	2026	Triggering avalanche- like ultraviolet photomultiplication phenomena in ultrathin amorphous/crystalline gallium nitride heterostructures. Dongyang Luo, Haochen Zhang, Yong Yan, Wei Chen, Danhao Wang, Huabin Yu, Xin Liu, Yang Kang, Muhammad Hunain Memon, Zhixiang Gao, Yuanmin Luo, Si Liu, Wengang Gu, Boon S. Oo2, Lan Fu, Sheng Liu, Haiding Sun. Sci. Adv. 12, eaea7319 (2026)
Thin Solid Films	IMS 4fe6	2026	Formation of a passivation layer via oxygen plasma oxidation for GaN-on-GaN regrowth. Marie-Louise Bilke, Jan Gärtner, Andreas Großer, Thomas Mikolajick, Alexander Ruf, Stefan Schmult. Thin Solid Films, Volume 839, 2026, 140910, ISSN 0040-6090, https://doi.org/10.1016/j.tsf.2026.140910
J. Appl. Phys	IMS 4fe6	2026	Diffusion of oxygen in aluminum nitride. Jan Tröger-Neuhaus, Lutz Kirste, Tobias Schulz, Birgit Hagenhoff, Carsten Hartmann, and Hartmut Bracht. J. Appl. Phys. 139, 105105 (2026); doi: 10.1063/5.0318177
Advanced Optical Materials	IMS 7f	2026	ZnCl2 Post-Treatment Enables High-Efficiency Violet CsPbCl3 Quantum Dot LEDs. Po-Hsien Lai, Chien-Cheng Li, Tien-Lin Wu, Chih-Shan Tan. Advanced Optical Materials, 2026; 0:e03635 https://doi.org/10.1002/adom.202503635
Materials Today Electronics	IMS 7f-Auto	2026	Nitrogen-Enabled Amorphous Stabilization of High-Mobility In-Rich IGO via PEALD for Uniform and Reliable Oxide TFTs. YuJin Yang, Sang-Hyun Kim, Tae Heon Kim, Jeong-Su Song, Sun Myung Lee, Ki-Cheol Song, Yeonhee Lee, Yoon-Seo Kim, Jin-Seong Park. Materials Today Electronics, 2026, 100215, ISSN 2772-9494, https://doi.org/10.1016/j.mtelec.2026.100215