

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Materials Science, Multidisciplinary; Optics	Kamal, W; Li, MM; Lin, JD; Parry, E; Jin, YH; Elston, SJ; Castrejon-Pita, AA; Morris, SM	林嘉德	Spatially Patterned Polymer Dispersed Liquid Crystals for Image-Integrated Smart Windows	ADVANCED OPTICAL MATERIALS	FEB	2022
2	Polymer Science	Zhang, YS; Wang, ZQ; Lin, JD; Yang, PC; Lee, CR	林嘉德	Light-Switching Surface Wettability of Chiral Liquid Crystal Networks by Dynamic Change in Nanoscale Topography	MACROMOL ECULAR RAPID COMMUNICATIONS	MAR	2022
3	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Chen, YC; Yeh, HY; Popescu, R; Gerthsen, D; Hsu, YK	徐裕奎*	Solution-processed Cu ₂ O/ZnO/TiO ₂ /Pt nanowire photocathode for efficient photoelectrochemical water splitting	JOURNAL OF ALLOYS AND COMPOUNDS	APR 5	2022
4	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Chen, YC; Wu, ZJ; Hsu, YK	徐裕奎*	Beyond noble metals: Plasmonics in nanobismuth for solar water splitting and surface-enhanced Raman scattering	JOURNAL OF ALLOYS AND COMPOUNDS	APR 5	2022

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5	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Lu, Y; Popescu, R; Gerthsen, D; Feng, YC; Su, WR; Hsu, YK; Chen, YC	徐裕奎*	Highly Efficient Recovery of H-2 from Industrial Waste by Sunlight-Driven Photoelectrocatalysis over a ZnS/Bi ₂ S ₃ /ZnO Photoelectrode	ACS APPLIED MATERIALS & INTERFACES	FEB 16	2022
6	Chemistry, Physical; Materials Science, Coatings & Films; Physics, Applied; Physics, Condensed Matter	Chuang, Fan-Ying; Hasibuan, Denny Pratama; Saragih, Clara Sinta; Patil, Ranjit A.; Tsai, Chih-Hung; Liou, Yung; Ma, Yuan-Ron	馬遠榮*.蔡志宏	Transmission-path dependent electron hopping transport in thin films and nanorods of NiO	SURFACES AND INTERFACES	JUN	2022
7	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Kumar, Mukul; Chen, Yi-Chin; Chen, Yen-Chun; Peng, Yu-Chang; Yang, Ying-Jhe; Li, Ying-Zhi; Jiang, Zih-Kang; Tsai, Chih-Hung; Lin, Jia-De; Hsu, Yu-Kuei; Lin, Chu-Hsuan	林楚軒*.徐裕奎. 林嘉德.蔡志宏.	The realization of nipip HIT photodetectors with an optimized thickness of intrinsic a-Si:H	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	JUN 15	2022
8	Engineering, Electrical & Electronic	Kumar, H; Pandey, AK; Lin, CH	林楚軒*	Optimal Design and Noise Analysis of High-Performance DBR-Integrated Lateral Germanium (Ge) Photodetectors for SWIR Applications	IEEE JOURNAL OF THE ELECTRON DEVICES SOCIETY	AUG 1	2022

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9	Engineering, Chemical	Chen, YC; Kuo, HT; Popescu, R; Hsu, YK	徐裕奎*	Ultralow-biased solar photoelectrochemical hydrogen generation by Ag ₂ S/ ZnO heterojunction with high efficiency	JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS	NOV	2022
10	Materials Science, Multidisciplinary	Ali, T; Elston, SJ; Lin, JD; Morris, SM	林嘉德	On-Demand Polarization Controllable Liquid Crystal Laser	ADVANCED MATERIALS TECHNOLOGIES	NOV 06	2022
11	Chemistry, Multidisciplinary; Chemistry, Physical; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Zhang, YS; Lin, ZW; Yeh, HC; Liang, CM; Lin, JD; Yang, PC; Lee, CR	林嘉德	Self-Steering Lasing System Enabled by Flexible Photo-Actuators with Sandwich Structure	ADVANCED FUNCTIONAL MATERIALS	NOV 28	2022

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12	Multidisciplinary Sciences	Huang, JY; Hung, HC; Hsu, KC; Chen, CH; Lee, PH; Lin, HY; Lin, BY; Leung, MK; Chiu, TL; Lee, JH; Friend, RH; Wu, YR	林伯彥	Numerical Analysis and Optimization of a Hybrid Layer Structure for Triplet-Triplet Fusion Mechanism in Organic Light-Emitting Diodes	ADVANCED THEORY AND SIMULATIONS	DEC 4	2022
13	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary; Physics, Applied	Lin, YS; Wang, HW	林育賢*	AlGaIn/AlN/GaN Metal-Oxide-Semiconductor High-Electron Mobility Transistor with Annealed Al ₂ O ₃ Gate Dielectric	SCIENCE OF ADVANCED MATERIALS	AUG	2022
14	Materials Science, Multidisciplinary; Physics, Applied	Lin, SJ; Cheng, YC; Chen, CH; Zhang, YY; Lee, JH; Leung, MK; Lin, BY; Chiu, TL	林伯彥*	New high-T-g bipolar benzimidazole derivatives in improving the stability of high-efficiency OLEDs	JOURNAL OF MATERIALS CHEMISTRY C	DEC 22	2022