

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Chemistry, Multidisciplinary; Materials Science, Multidisciplinary	Li, CS; Wu, YT; Lin, PF; Chen, BY; Fu, FY; Cheng, JF; Chang, YS; Ni, IC; Hsu, YK; Pai, YH; Chen, MH	徐裕奎.白益豪	Enhance the Properties of BiI ₃ -Based Resistive Switching Devices via Mixing Ag and Au Electrodes	ADVANCED MATERIALS INTERFACE S	FEB 1	2023
2	Chemistry, Physical; Electrochemistry; Energy & Fuels	Chen, YC; Chen, YZ; Wang, CM; Hsu, YK	徐裕奎*	Activation of inert Ag by nanoplasmonic synergy for enhanced hydrogen evolution reaction	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	JAN 29	2023
3	Engineering, Electrical & Electronic; Optics; Physics, Applied	Kumar, H; Lin, CH	林楚軒*	High-Performance Lateral Metal-Germanium-Metal SWIR Photodetectors Using a-Si:H Interlayer for Dark Current Reduction	IEEE PHOTONICS JOURNAL	FEB	2023
4	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary	Keruckiene, R; Vijaikis, E; Chen, CH; Lin, BY; Huang, JX; Chu, CC; Dzen, Y; Chen, C; Lee, JH; Chiu, TL; Macionis, S; Keruckas, J; Butkute, R; Grazulevicius, JV	林伯彥	Power Efficiency Enhancement of Organic Light-Emitting Diodes Due to the Favorable Horizontal Orientation of a Naphthyridine-Based Thermally Activated Delayed Fluorescence Luminophore	ACS APPLIED ELECTRONIC MATERIALS	JAN 25	2023
5	Chemistry, Applied; Engineering, Chemical; Materials Science, Textiles	Keruckiene, R; Lin, BY; Chen, CH; Chu, CC; Lin, CF; Volyniuk, D; Chiu, TL; Lee, JH; Grazulevicius, JV	林伯彥	Organic light-emitting diodes with a single emissive layer of 3,6-di-tert-butyl-carbazolyl-disubstituted trifluoromethyl benzene showing an ultra-broad white electroluminescence spectrum	DYES AND PIGMENTS	APR	2023

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6	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Gong, FR; Feng, YC; Fang, YH; Hsu, YK; Chen, YC	徐裕奎*	Dual-Ion Co-Intercalation Mechanism on a Na ⁺ V(6)O(16)-3H(2)O Cathode with a Commercial-Level Mass Loading for Aqueous Zinc-Ion Batteries with High Areal Capacity	ACS APPLIED MATERIALS & INTERFACES	APR 10	2023
7	Electrochemistry; Materials Science, Multidisciplinary	Feng, YC; Yang, Z; Fang, YH; Chen, YC; Hsu, YK	徐裕奎*	High-Mass-Loading CoNi-Layered Double Hydroxide Directly Grown on Brush-like Cu/Carbon Cloth as High-Areal-Capacitance Supercapacitor Electrode	BATTERIES & SUPERCAPS	MAY 10	2023
8	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary; Optics; Physics, Applied	Lee, JY; Chen, PY	李政誼*	Wave propagation, bi-directional reflectionless, and coherent perfect absorption-lasing in finite periodic PT-symmetric photonic systems	NANOPHOTONICS	MAY 30	2023
9	Green & Sustainable Science & Technology; Energy & Fuels	Chen, YC; Yang, ZL; Hsu, YK	徐裕奎*	Unassisted solar water splitting by dual Cu ₂ O-based tandem device with complementary wavelength-dependent quantum efficiency and antipodal conductivity	RENEWABLE ENERGY	AUG	2023
10	Chemistry, Analytical; Nanoscience & Nanotechnology; Instruments & Instrumentation; Physics, Applied	Lin, YS; Lu, CC	林育賢*	AlGaIn/GaN Metal Oxide Semiconductor High-Electron Mobility Transistors with Annealed TiO ₂ as Passivation and Dielectric Layers	MICROMACHINES	JUN	2023

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11	Optics	Lin, BY; Lin, YX; Lin, SJ; Lin, YY; Chen, SH; Wei, MK	魏茂國*.陳素華. 林伯彥	Highly enhanced light extraction for organic light emitting diodes by self-assembly microlens-array films	JOURNAL OF LUMINESCENCE	NOV	2023
12	Energy & Fuels; Materials Science, Multidisciplinary; Physics, Applied	Chen, YC; Yang, ZL; Dong, PH; Tsai, CH; Hsu, YK	徐裕奎*.蔡志宏	Enhancing Low-Bias performance of n-type Cu ₂ O photoanode for solar water splitting via simultaneously accelerated charge transfer kinetics at back contact and liquid junction	SOLAR ENERGY MATERIALS AND SOLAR CELLS	JAN	2023
13	Chemistry, Multidisciplinary; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Sun, JY; Nguyen, DH; Liu, JM; Lo, CY; Ma, YR; Chen, YJ; Yi, JY; Huang, JZ; Giap, H; Nguyen, HYT; Liao, CD; Lin, MY; Lai, CC	賴建智*.馬遠榮. 陳怡嘉	On-Chip Monolithically Integrated Ultraviolet Low-Threshold Plasmonic Metal-Semiconductor Heterojunction Nanolasers	ADVANCED SCIENCE	AUG 9	2023
14	Electrochemistry; Materials Science, Multidisciplinary	Feng, YC; Yang, Z; Fang, YH; Chen, YC; Hsu, YK	徐裕奎*	High-Mass-Loading CoNi-Layered Double Hydroxide Directly Grown on Brush-like Cu/Carbon Cloth as High-Areal-Capacitance Supercapacitor Electrode	BATTERIES & SUPERCAPS	JUN	2023
15	Chemistry, Physical; Electrochemistry; Energy & Fuels; Materials Science, Multidisciplinary	Chen, YC; Chiu, TW; Popescu, R; Hsu, YK	徐裕奎*	Graphene oxide partially exfoliated from carbon cloth: A new Paradigm of photocathode for Solar-Driven photoelectrochemistry	JOURNAL OF POWER SOURCES	DEC 1	2023

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16	Materials Science, Multidisciplinary; Physics, Applied	Li, YZ; Liang, HC; Chen, CH; Chiu, CH; Lin, BY; Tan, JA; Lee, JH; Chiu, TL; Leung, MK	林伯彥	Modification of thermally activated delayed fluorescence emitters comprising acridan-pyrimidine moieties for efficient sky-blue to greenish-blue OLEDs	JOURNAL OF MATERIALS CHEMISTRY C	OCT 26	2023
17	Materials Science, Multidisciplinary; Physics, Applied	Li, YZ; Liang, HC; Chen, CH; Chiu, CH; Lin, BY; Tan, JA; Lee, JH; Chiu, TL; Leung, MK	林伯彥	Modification of thermally activated delayed fluorescence emitters comprising acridan-pyrimidine moieties for efficient sky-blue to greenish-blue OLEDs	JOURNAL OF MATERIALS CHEMISTRY C	OCT 5	2023