

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Electrochemistry; Energy & Fuels	Hsu, YK; Yu, CH; Chen, YC; Lin, YG	徐裕奎*	Fabrication of coral-like Cu ₂ O nanoelectrode for solar hydrogen generation	JOURNAL OF POWER SOURCES	15-Nov	2013
2	Electrochemistry; Energy & Fuels	Hsu, YK; Chen, YC; Lin, YG; Chen, LC; Tsai, CH	徐裕奎*	Direct-growth of poly(3,4-ethylenedioxythiophene) nanowires/carbon cloth as hierarchical supercapacitor electrode in neutral aqueous solution	JOURNAL OF POWER SOURCES	15-Nov	2013
3	Materials Science; Physics	Tsai, CH; Chang, CW; Tsai, YT; Lu, CY; Chen, MC; Huang, TW; Wu, CC	蔡志宏*	Novel three-layer TiO ₂ nanoparticle stacking architecture for efficient dye-sensitized solar cells	ORGANIC ELECTRONICS	NOV	2013
4	Materials Science; Physics	Tsai, CH; Lu, CY; Chen, MC; Huang, TW; Wu, CC; Chung, YW	蔡志宏*	Efficient gel-state dye-sensitized solar cells adopting polymer gel electrolyte based on poly(methyl methacrylate)	ORGANIC ELECTRONICS	NOV	2013
5	Materials Science; Physics	Zhao, SH; Chang, JK; Fang, JJ; Tsai, HW; Liu, IH; Tseng, WH; Pi, TW; Chen, YH	陳美杏*	Efficiency enhancement caused by using LiF to change electronic structures in polymer photovoltaics	THIN SOLID FILMS	31-Oct	2013
6	Chemistry ; Electrochemistry	Hsu, YK; Yu, CH; Lin, HH; Chen, YC; Lin, YG	徐裕奎*	Template synthesis of copper oxide nanowires for photoelectrochemical hydrogen generation	JOURNAL OF ELECTROANALYTICAL CHEMISTRY	1-Sep	2013

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7	Electrochemistry	Hsu, TK; Yu, CH; Chen, YC; Lin, YC	徐裕奎*	Synthesis of novel Cu ₂ O micro/nanostructural photocathode for solar water splitting	ELECTROCHIMICA ACTA	30-Aug	2013
8	Chemistry ; Science & Technology - Other Topics; Materials Science	Lai, CC; Ke, CP; Tsai, CN; Lo, CY; Shr, RC; Chen, MH; Wang, PS; Lo, YY; Tseng, WH; Chen, MH; Wu, CH	賴建智* 陳美杏	Near-Field Lasing Dynamics of a Crystal-Glass Core-Shell Hybrid Fiber	JOURNAL OF PHYSICAL CHEMISTRY C	29-Aug	2013
9	Physics	PS; Lo, YY; Tseng, WH; Chen, MH; Wu, CH	陳美杏	Enhancing the incorporation compatibility of molybdenum oxides in organic light emitting diodes with gap state formations	JOURNAL OF APPLIED PHYSICS	14-Aug	2013
10	Materials Science	Pai, YH; Yan, ZY; Fu, PH	白益豪*	Enhanced saturation magnetization of Fe ₃ Si nanodot-embedded Fe ₈₀ Si ₁₇ Nb ₃ flexible film for efficient wireless power transfer	MATERIALS CHEMISTRY AND PHYSICS	15-Jul	2013
11	Optics	See, CW; Hu, F; Chuang, CJ; Somekh, MG	莊沁融	Super-resolution imaging using proximity projection grating and structured light illumination	OPTICS EXPRESS	1-Jul	2013
12	Chemistry ; Materials Science; Physics	Lin, CH; Tsai, TH; Wang, CM; Yeh, WT	林楚軒*	Photodetectors with an HIT structure on p-type crystalline Si wafers	APPLIED SURFACE SCIENCE	15-Jun	2013
13	Chemistry ; Science & Technology - Other Topics; Materials Science	Wang, CM; Yu, CJ	王智明*	Free-Space Plasmonic Filter with Dual-Resonance Wavelength Using Asymmetric T-Shaped Metallic Array	PLASMONICS	JUN	2013

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14	Electrochemistry; Energy & Fuels	Pai, YH; Fang, SY	白益豪*	Preparation and characterization of porous Nb ₂ O ₅ photocatalysts with CuO, NiO and Pt cocatalyst for hydrogen production by light-induced water splitting	JOURNAL OF POWER SOURCES	15-May	2013
15	Engineering; Optics; Physics	Wang, CM; Tsai, DP	王智明*	Plasmonic Infrared Bandstop Reflective Filter	IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS	MAY-JUN	2013
16	Chemistry ; Electrochemistry; Energy & Fuels	Pai, YH; Tsai, CT	白益豪*	Synthesis and characterization of bifunctional beta-MnO ₂ -based Pt/C photoelectrochemical cell for hydrogen production	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	15-Apr	2013
17	Optics	Kung, WT; Pai, YH; Hsu, YK; Lin, CH; Wang, CM	白益豪. 徐裕奎. 林楚軒. 王智明	Surface Plasmon assisted Cu _x O photocatalyst for pure water splitting	OPTICS EXPRESS	11-Mar	2013
18	Materials Science; Physics	Chen, CH; Ho, CH; Chen, MK; Lin, YS; Huang, YS; Hsu, WC	林育賢	Optical characterization of InAlAs/InGaAs metamorphic high-electron mobility transistor structures with tensile and compressive strain	THIN SOLID FILMS	1-Feb	2013
19	Electrochemistry; Energy & Fuels	Pai, YH; Tsai, CT; Fang, SY	白益豪*	Enhanced photocatalytic hydrogen generation with Pt Nanoparticles on multi-phase polycrystalline microporous MnO ₂ photocatalyst	JOURNAL OF POWER SOURCES	1-Feb	2013

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20	Materials Science; Physics	Tai, HY; Lee, CT; Tsai, LH; Lin, YH; Pai, YH; Wu, CI; Lin, GR	白益豪	SiC and Si Quantum Dots Co-Precipitated Si-Rich SiC Film with n- and p-Type Dopants Grown by Hydrogen-Free PECVD	ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY		2013
21	Chemistry ; Electrochemistry; Instruments & Instrumentation	Lin, SF; Wang, CM; Tsai, YL; Ding, TJ; Yang, TH; Chen, WY; Yeh, SF; Chen, YC	王智明	A model for fast predicting and optimizing the sensitivity of surface-relief guided mode resonance sensors	SENSORS AND ACTUATORS B-CHEMICAL	JAN	2013
22	Materials Science; Physics	Peng, KJ; Wu, CL; Lin, YH; Liu, YJ; Tsai, DP; Pai, YH; Lin, GR	白益豪	Hydrogen-free PECVD growth of few-layer graphene on an ultra-thin nickel film at the threshold dissolution temperature	JOURNAL OF MATERIALS CHEMISTRY C		2013
23	Science & Technology - Other Topics; Materials Science	Tsai, CH; Tsai, YT; Huang, TW; Hsu, SY; Chen, YF; Jhang, YH; Hsieh, L; Wu, CC; Chen, YC	蔡志宏*	Influences of Stacking Architectures of TiO ₂ Nanoparticle Layers on Characteristics of Dye-Sensitized Solar Cells	JOURNAL OF NANOMATERIALS		2013
24	Materials Science	Lin, CH; Hsu, WT; Tai, CH	林楚軒*	Single Grain Boundary Modeling and Design of Microcrystalline Si Solar Cells	MATERIALS	JAN	2013

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25	Materials Science; Physics	Liou, YJ; Chen, YJJ; Chen, BR; Lee, LM; Huang, CH	陳怡嘉. 黃家華	XPS study of aluminum coating on TiO ₂ anode of dye-sensitized solar cells	SURFACE & COATING TECHNOLOGY	SEP	2013
26	Physics	Tseng, WH; Lo, H; Chang, JK; Liu, IH; Chen, MH; Wu, CI	陳美杏*	Metal-induced molecular diffusion in [6,6]-phenyl-C ₆₁ -butyric acid methyl ester poly(3-hexylthiophene) based bulk-heterojunction solar cells	APPLIED PHYSICS LETTERS	28-Oct	2013
27	MATERIALS SCIENCE, MULTIDISCIPLINARY	Chun-You Wei, Chu-Hsuan Lin* , Hao-Tse Hsiao, Po-Chuan Yang, Chih-Ming Wang and Yen-Chih Pan	林楚軒*	Efficiency Improvement of HIT Solar Cells on p-Type Si Wafers	Materials	Nov. 22	2013