

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Materials Science; Physics	Chung, CL; Chen, CH; Tsai, CH; Wong, KT	蔡志宏*	Novel organic dyes containing N-bridged oligothiophene coplanar cores for dye-sensitized solar cells	ORGANIC ELECTRONICS	MAR	2015
2	Materials Science; Physics	Tsai, CH; Chen, CH; Hsiao, YC; Chuang, PY	蔡志宏*	Investigation of graphene nanosheets as counter electrodes for efficient dye-sensitized solar cells	ORGANIC ELECTRONICS	FEB	2015
3	Electrochemistry; Energy & Fuels	Chen, MH; Kuo, YC; Lin, HH; Chao, YP; Wong, MC	陳美杏*, 翁明壽	Highly stable inverted organic photovoltaics using aluminum-doped zinc oxide as electron transport layers	JOURNAL OF POWER SOURCES	1-Feb	2015
4	Science & Technology - Other Topics; Materials Science	Hsu, YK; Chen, YC; Lin, YG	徐裕奎*	Novel ZnO/Fe ₂ O ₃ Core-Shell Nanowires for Photoelectrochemical Water Splitting	ACS APPLIED MATERIALS & INTERFACES	1-Jul	2015
5	Chemistry; Materials Science; Physics	Huang, DR; Jiang, YJ; Liou, RL; Chen, CH; Chen, YA; Tsai, CH	黃得瑞*, 蔡志宏	Enhancing the efficiency of dye-sensitized solar cells by adding diatom frustules into TiO ₂ working electrodes	APPLIED SURFACE SCIENCE	30-Aug	2015
6	Chemistry; Science & Technology - Other Topics; Materials Science; Physics	Huang, YW; Chen, WT; Tsai, WY; Wu, PC; Wang, CM; Sun, G; Tsai, DP	王智明	Aluminum Plasmonic Multicolor Meta-Hologram	NANO LETTERS	MAY	2015
7	Chemistry; Physics	Chang, CH; Hsu, MK; Wu, SW; Chen, MH; Lin, HH; Li, CS; Pi, TW; Chang, HH; Chen, NP	陳美杏	Using lithium carbonate-based electron injection structures in high-performance inverted organic light-emitting diodes	PHYSICAL CHEMISTRY CHEMICAL PHYSICS		2015
8	Electrochemistry	Tsai, CH; Chen, CH; Fei, PH; Hsu, YK	蔡志宏*, 徐裕奎	Novel Semiconductor-Liquid Heterojunction Solar Cells Based on Cuprous Oxide and Iodine Electrolyte	ELECTROCHIMICA ACTA	10-Jun	2015

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9	Electrochemistry	Tsai, CH; Fei, PH; Wu, WC	蔡志宏*	Enhancing the Efficiency and Charge Transport Characteristics of Dye-Sensitized Solar Cells by Adding Graphene Nanosheets to TiO ₂ Working Electrodes	ELECTROCHIMICA ACTA	20-May	2015
10	Materials Science; Optics	Lai, CC; Chang, CCF; Chen, SH; Yi, JY	賴建智*	Strain engineering at a crystal fiber laser-metal alloy interface: an ultra-sensitive crystal-fiber-based sensor	OPTICAL MATERIALS EXPRESS	1-May	2015
11	Science & Technology - Other Topics; Materials Science	Wang, YF; Chen, MH; Lin, CT; Fang, JJ; Chang, CJ; Luo, CW; Yabushita, A; Wu, KH; Zhang, L; Tang, Y	陳美杏*	Use of Ultrafast Time-Resolved Spectroscopy to Demonstrate the Effect of Annealing on the Performance of P3HT:PCBM Solar Cells	ACS APPLIED MATERIALS & INTERFACES	4-Mar	2015
12	Chemistry; Energy & Fuels; Materials Science; Physics	Lu, CY; Tsai, CH; Tsai, YT; Hsu, CJ; Chang, CH; Wu, CC	蔡志宏	Spontaneous Formation of Nanofibrillar and Nanoporous Structures in High-Conductivity Conducting Polymers and Applications for Dye-Sensitized Solar Cells	ADVANCED ENERGY MATERIALS	18-Mar	2015
13	Engineering; Optics; Telecommunication	Huang, Y; Wu, D; Chuang, CJ; Nie, B; Cui, HL; Yun, W	莊沁融	Theoretical analysis of tapered fiber optic surface plasmon resonance sensor for voltage sensitivity	OPTICAL FIBER TECHNOLOGY	MAR	2015
14	Science & Technology - Other Topics; Materials Science	Chang, JK; Lin, WH; Taur, JJ; Chen, TH; Liao, GK; Pi, TW; Chen, MH; Wu, CH	陳美杏*	Graphene Anodes and Cathodes: Tuning the Work Function of Graphene by Nearly 2 eV with an Aqueous Intercalation Process	ACS APPLIED MATERIALS & INTERFACES	12-Aug	2015
15	Materials Science	Wu, HY; Lin, CC; Lin, CH	林群傑* 林楚軒	Characteristics of graphene-oxide-based flexible and transparent resistive switching memory	CERAMICS INTERNATIONAL	NOV	2015
16	Materials Science	Tsai, CH; Fei, PH; Chen, CH	蔡志宏*	Investigation of Coral-Like Cu ₂ O Nano/Microstructures as Counter Electrodes for Dye-Sensitized Solar Cells	MATERIALS	SEP	2015

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17	Physics	Huang, DR; Chen, YA; Liou, RL; Lin, JX; Tsai, CH	黃得瑞*. 蔡志宏	Optical properties of dyes affected by accelerating UV light exposure	JAPANESE JOURNAL OF APPLIED PHYSICS	SEP	2015
18	Engineering; Science & Technology - Other Topics; Physics	Liou, JJ; Lin, CC; Lin, CH	林群傑. 林楚軒	SPECIAL SECTION: INTERNATIONAL ELECTRON DEVICES AND MATERIALS SYMPOSIUM 2014	MICROELECTRONICS RELIABILITY	NOV	2015
19	Optics	Chang, YH; Wang, CM; Hsu, YK; Pai, YH; Lin, JY; Lin, CH	林楚軒*. 王智明. 徐裕奎. 白益豪	Graphene oxide as the passivation layer for Cu ₂ O photocatalyst on a plasmonic Au film and the corresponding	OPTICS EXPRESS	21-Sep	2015
20	Chemistry; Materials Science; Chemistry	Hsu, YK; Wu, JR; Chen, MH; Chen, YC; Lin, YG	徐裕奎*. 陳美杏	Fabrication of homojunction Cu ₂ O solar cells by electrochemical deposition	APPLIED SURFACE SCIENCE	1-Nov	2015
21	Chemistry; Materials Science; Chemistry	Hsu, YK; Chen, YC; Lin, YG	徐裕奎*	Spontaneous formation of CuO nanosheets on Cu foil for H ₂ O ₂ detection	APPLIED SURFACE SCIENCE	1-Nov	2015

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1	Materials Science	Tsai, CH; Fei, PH; Chen, CH	蔡志宏*	Investigation of Coral-Like Cu ₂ O Nano/Microstructures as Counter Electrodes for Dye-Sensitized Solar Cells	MATERIALS	SEP	2015
2	CHEMISTRY, PHYSICAL	<u>Y.K. Hsu*</u> , C.J. Chuang*, Y.C. Chen, and Y.G. Lin*	徐裕奎	Thermally Activated Cu/Cu ₂ S/ZnO Nanoarchitectures with Surface-Plasmon-Enhanced Raman Scattering	Journal of Colloid and Interface Science	accepted	2015
3	Materials Science, Coatings & Films	Y.K. Hsu*, Y.C. Chen, and Y.G. Lin*	徐裕奎	Spontaneous Formation of CuO Nanosheets on Cu Foil for H ₂ O ₂ Detection	Applied Surface Science	accepted	2015