

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Chemistry	Chen, YC; Hsu, JH; Hsu, YK	徐裕奎*	Branched silver nanowires on fluorine-doped tin oxide glass for simultaneous amperometric detection of H ₂ O ₂ and of 4- CuO and CuO/graphene	MICROCHEMICAL ACTA	FEB	2018
2	Materials Science	Tsai, CH; Fei, PH; Lin, CM; Shiu, SL	蔡志宏*	Nanostructured Thin Films as Counter Electrodes for Pt-Free Dye-Sensitized Solar Cells	COATINGS	JAN	2018
3	Engineering	Hsiao, HT; Yao, IC; Ni, IC; Tzeng, SD; Lin, WF; Lin, BY; Lin, CH	林楚軒*, 曾賢德	Gold-Nanoparticle-Coated Ge MIS Photodiodes	IEEE JOURNAL OF THE ELECTRON DEVICES SOCIETY	DEC	2018
4	Science & Technology - Other Topics	Chen, YC; Hsu, YK; Popescu, R; Gerthsen, D; Lin, YG; Feldmann, C	徐裕奎	Au@Nb@HxK1-xNbO ₃ nanopeapods with near-infrared active plasmonic hot-electron injection for water splitting	NATURE COMMUNICATIONS	16-Jan	2018
5	Chemistry; Materials Science; Physics	Tsai, CH; Shih, CJ; Wang, WS; Chi, WF; Huang, WC; Hu, YC; Yu, YH	蔡志宏*	Fabrication of reduced graphene oxide/macrocyclic cobalt complex nanocomposites as counter electrodes for Pt-free dye-sensitized solar cells	APPLIED SURFACE SCIENCE	15-Mar	2018
6	Materials Science; Physics	Tsai, CH; Shih, CJ; Chou, YR; Chi, WF; Huang, WC; Yu, YH	蔡志宏*	Preparation of reduced graphene oxide/macrocyclic manganese complex composite materials as counter electrodes in dye-sensitized solar cells	ORGANIC ELECTRONICS	JAN	2018
7	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Chen, YC; Li, YJ; Hsu, YK	徐裕奎*	Enhanced performance of ZnO-based dye-sensitized solar cells by glucose treatment	JOURNAL OF ALLOYS AND COMPOUNDS	5-Jun	2018

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8	Chemistry ; Science & Technology - Other Topics; Materials Science	wel, w, Nong, JP; Zhu, Y; Zhang, GW; Wang, N; Luo, SQ; Chen, N; Lan, GL; Chuang, PY	莊沁融	Graphene/Au-Enhanced Plastic Clad Silica Fiber Optic Surface Plasmon Resonance Sensor	PLASMONICS	APR	2018
9	Materials Science	Tsai, CH; Hsiao, YC; Chuang, PY	蔡志宏*	Investigation of Electrochemically Deposited and Chemically Reduced Platinum Nanostructured Thin Films as Counter Electrodes in Dye-Sensitized Solar Cells	COATINGS	FEB	2018
10	Materials Science	Tsai, CH; Chuang, PY; Hsu, HL	蔡志宏*	Adding graphene nanosheets in liquid electrolytes to improve the efficiency of dye-sensitized solar cells	MATERIALS CHEMISTRY AND PHYSICS	1-Mar	2018
11	Materials Science; Physics	Lai, CC; Lo, CY; Huang, JZ; Chiang, CCF; Nguyen, DH; Chen, YP; Liao, CD	賴建智*	Architecting a nonlinear hybrid crystal-glass metamaterial fiber for all-optical photonic integration	JOURNAL OF MATERIALS CHEMISTRY C	21-Feb	2018
12	Science & Technology - Other Topics; Materials Science; Optics; Physics	Wu, PC; Chen, JW; Yin, CW; Lai, YC; Chung, TL; Liao, CY; Chen, BH; Lee, KW; Chuang, CJ; Wang, CM; Tsai, DP	王智明*	Visible Metasurfaces for On-Chip Polarimetry	ACS PHOTONICS	JUL	2018
13	Chemistry ; Electrochemistry; Energy & Fuels	Chen, YC; Hsiao, ZQ; Hsu, YK	徐裕奎*	Effect of alkaline-doping on photoelectrochemical activity of electrodeposited cuprous oxide films	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	19-Jul	2018

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14	Energy & Fuels	Wu, JC; Yan, WM; Wang, CT; Wang, CH; Pai, YH; Wang, KC; Chen, YM; Lan, TH; Thangavel, S	白益豪	Treatment of Oily Wastewater by the Optimization of Fe ₂ O ₃ Calcination Temperatures in Innovative Bio-Electron-Fenton Microbial Fuel Cells	ENERGIE S	MAR	2018
15	Science & Technology - Other Topics	Wu, SR; Lai, KL; Wang, CM	王智明*	Passive temperature control based on a phase change metasurface	SCIENTIFIC REPORTS	16-May	2018
16	Chemistry	Chen, YC; Chen, ZB; Hsu, YK	徐裕奎*	Novel p-n heterojunction copper phosphide/cuprous oxide photocathode for solar hydrogen production	JOURNAL OF COLLOID AND INTERFACE SCIENCE	1-Aug	2018
17	Materials Science	Tsai, CH; Chen, YL; Hsu, HL; Ma, YR; Mou, S	蔡志宏*. 馬遠榮	Enhancing the efficiency of quasi-solid-state dye-sensitized solar cells by adding bis(trifluoromethane)sulfonimide lithium salt and camphorsulfonic acid to gel-	MATERIALS RESEARCH BULLETIN	NOV	2018
18	Science & Technology - Other Topics; Materials Science	Shih, CK; Ciou, YT; Chiu, CW; Li, YR; Jheng, JS; Chen, YC; Lin, CH	林楚軒*	Effects of Different Oxidation Degrees of Graphene Oxide on P-Type and N-Type Si Heterojunction Photodetectors	NANOMATERIALS	JUL	2018
19	Chemistry; Science & Technology - Other Topics; Engineering	Chen, YC; Chang, HH; Hsu, YK	徐裕奎*	Synthesis of CuInS ₂ Quantum Dots/In ₂ S ₃ /ZnO Nanowire Arrays with High Photoelectrochemical Activity	ACS SUSTAINABLE CHEMISTRY & ENGINEERING	AUG	2018
20	Optics	Pan, JW; Li, JS; Wang, CM	王智明	Global solution of achromatic Total Internal Reflection prism in projection system	OPTICS COMMUNICATIONS	1-Dec	2018

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21	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Chen, YC; Kuo, CL; Hsu, YK	徐裕奎*	Facile preparation of Zn-doped hematite thin film as photocathode for solar hydrogen generation	JOURNAL OF ALLOYS AND COMPOUNDS	5-Nov	2018