

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Optics	Tsao, WC; Zeng, QC; Yeh, YH; Tsai, CH; Hong, HF; Chen, CY; Lin, TY; Huang, YY; Tsao, CW; Pan, JW; Wang, CM	王智明*.蔡志宏	Efficiency evaluation of a hybrid miniaturized concentrated photovoltaic for harvesting direct/diffused solar light	JOURNAL OF OPTICS	MAR	2019
2	Materials Science; Physics	Tsai, CH; Shiu, SL; Lin, WC; Chou, YR; Yu, YH	蔡志宏*	Synthesis of reduced graphene oxide/macrocyclic ytterbium complex nanocomposites and their application in the counter electrodes of dye-sensitized solar cells	ORGANIC ELECTRONICS	JAN	2019
3	Engineering	Chen, YC; Yang, KH; Huang, CY; Wu, ZJ; Hsu, YK	徐裕奎*	Overall photoelectrochemical water splitting at low applied potential over ZnO quantum dots/nanorods homojunction	CHEMICAL ENGINEERING JOURNAL	15-Jul	2019
4	Chemistry; Engineering	Chen, YC; Wu, ZJ; Hsu, YK	徐裕奎*	Buffer effect of In <sub>2</sub> O <sub>3</sub> interlayer on band offset at CuO/ZnO interface for enhanced photoelectrocatalytic water splitting	JOURNAL OF CATALYSIS	FEB	2019
5	Chemistry; Science & Technology - Other Topics; Materials Science; Physics	Tsai, WY; Chung, TL; Hsiao, HH; Chen, JW; Lin, RJ; Wu, PC; Sun, G; Wang, CM; Misawa, H; Tsai, DP	王智明	Second Harmonic Light Manipulation with Vertical Split Ring Resonators	ADVANCED MATERIALS	15-Feb	2019
6	Chemistry	Kumar, D; Chen, YL; Tsai, CH; Wong, KT	蔡志宏*	Dihydrophenazine-based double-anchoring dye for dye-sensitized solar cells	JOURNAL OF THE CHINESE CHEMICAL SOCIETY		

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
7	Materials Science; Physics	Chen, YC; Treptow, J; Hsu, YK; Feldmann, C	徐裕奎	Intrapore-Texturized Vanadia-Hydrate Supercapacitor with Ultrahigh Area-Normalized Capacitance	PHYSICAL STATUS SOLIDI APPLICATIONS AND MATERIALS SCIENCE	NOV	2019
8	Optics	Lee, JY; Chung, YH; Miroshnichenko, AE; Lee, RK	李政誼*	Linear control of light scattering with multiple coherent waves excitation	OPTICS LETTERS	1-Nov	2019
9	Chemistry; Science & Technology - Other Topics	Chen, YC; Chen, YJ; Popescu, R; Dong, PH; Gerthsen, D; Hsu, YK	徐裕奎*	Defect-Cluster-Boosted Solar Photoelectrochemical Water Splitting by n-Cu <sub>2</sub> O Thin Films Prepared Through Anisotropic Crystal Growth	CHEMISTRY	8-Nov	2019
10	Chemistry	Yu, YH; Wang, WS; Hu, YC; Tsai, CH; Shih, CJ; Huang, WC; Peng, SM; Lee, GH	蔡志宏	A study of novel macrocyclic copper complex/graphene-based composite materials for counter electrodes of dye-sensitized solar cells	JOURNAL OF THE CHINESE CHEMICAL SOCIETY	SEP	2019