

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Electrochemistry	Hsu, YK; Fu, SY; Chen, MH; Chen, YC; Lin, YG	徐裕奎*	Facile Synthesis of Pt Nanoparticles/ZnO Nanorod Arrays for Photoelectrochemical Water Splitting	ELECTROCHEMICAL ACTA	20-Feb	2014
2	Materials Science; Physics	Fang, JJ; Tsai, HW; Ni, IC; Tzeng, SD; Chen, MH	陳美杏*, 曾賢德	The formation of interfacial wrinkles at the metal contacts on organic thin films	THIN SOLID FILMS	1-Apr	2014
3	Optics	Wang, CM; Feng, DY	王智明*	Omnidirectional thermal emitter based on plasmonic nanoantenna arrays	OPTICS EXPRESS	27-Jan	2014
4	Optics	Lin, YG; Hsu, YK; Basilio, AM; Chen, YT; Chen, KH; Chen, YC	徐裕奎	Photoelectrochemical activity on Ga-polar and N-polar GaN surfaces for energy conversion	OPTICS EXPRESS	13-Jan	2014
5	Chemistry	Hsu, YK; Lin, HH; Wu, JR; Chen, MH; Chen, YC; Lin, YG	徐裕奎*, 陳美杏	Electrochemical growth and characterization of a p-Cu ₂ O thin film on n-ZnO nanorods for solar cell application	RSC ADVANCES		2014
6	Engineering; Optics; Physics	Lin, CH; Yeh, WT; Chen, MH	林楚軒*, 陳美杏	Metal-Insulator-Semiconductor Photodetectors With Different Coverage Ratios of Graphene Oxide	IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS	JAN-FEB	2014
7	Chemistry; Science & Technology	Chen, WT; Yang, KY; Wang, CM; Huang, YW; Lin, YG	王智明*	High-Efficiency Broadband Meta-Hologram with Polarization-Controlled Dual Images	NANO LETTERS	JAN	2014
8	Chemistry; Energy & Fuels	Wu, CH; Chen, MC; Su, PC; Kuo, YC	蔡志宏	Porphyrins for efficient dye-sensitized solar cells covering the near-IR region	JOURNAL OF MATERIALS		2014
9	Science & Technology - Other Topics; Optics	Wang, CM; Wang, CY	王智明*	Photocorrosion of plasmonic enhanced Cu ₂ O photocatalyst	JOURNAL OF NANOPHOTONICS	15-Jul	2014

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10	Chemistry ; Energy & Fuels; Materials Science	Torramani, MA; Huang, WC; Lan, TW; Boopathi, KM; Hsiao, YC; Chen, CH; Budiawan, W; Chen, YY; Chang, CS; Li, LJ; Tsai, CH; Chen, CW	蔡志宏*	Controlled mechanical cleavage of bulk niobium diselenide to nanoscaled sheet, rod, and particle structures for Pt-free dye-sensitized solar cells	JOURNAL OF MATERIALS CHEMISTRY A		2014
11	Science & Technology - Other Topics; Optics	Tu, SH; Ruan, DG; Tzeng, SD; Ni, IC; Wang, CM	王智明*. 曾賢德	Optical properties of InGaN/GaN multiquantum wells light-emitting diode with one-dimensional Au nanoparticle grating	JOURNAL OF NANOPHOTONICS	25-Jun	2014
12	Optics	Fu, SY; Hsu, YK; Chen, MH; Chuang, CJ; Chen, YC; Lin, YG	徐裕奎*. 陳美杏. 莊沁融	Silver-decorated hierarchical cuprous oxide micro/nanospheres as highly effective surface-enhanced Raman scattering substrates	OPTICS EXPRESS	16-Jun	2014
13	Chemistry	Su, JT, LO, CY; Tsai, CH; Chen, CH; Chou, SH; Liu, SH; Chou, PT; Wu, YZ	蔡志宏*	Indolo[2,3-b]carbazole Synthesized from a Double-Intramolecular Buchwald-Hartwig Reaction: Its Application for a Dianchor DSSC Organic Dye	ORGANIC LETTERS	20-Jun	2014
14	Chemistry	Lin, YG; Chen, YC; Miller, JT; Chen, LC; Chen, KH; Hsu, YK	徐裕奎	Hierarchically Porous Calcium-containing Manganese Dioxide Nanorod Bundles with Superior Photoelectrochemical Activity	CHEMCOMMUNICATIONS	JUN	2014
15	Chemistry ; Electrochemistry; Instruments & Instrumentation	Lin, SF; Chang, FC; Chen, ZH; Wang, CM; Yang, TH; Chen, WY; Chang, JY	王智明	A Polarization Control System for Intensity-Resolved Guided Mode Resonance Sensors	SENSORS	MAR	2014

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16	Physics	Liu, HT; Chao, YP; Fang, JJ; Tseng, WH; Lan, YB; Chen, YJ; Wu, KH; Chen, MH	陳美杏	Origins of vertical phase separation in P3HT:PCBM mixed films	JAPANESE JOURNAL OF APPLIED PHYSICS	APR	2014
17	Electrochemistry	Hsu, YK; Lin, HH; Chen, MH; Chen, YC; Lin, YG	徐裕奎* 陳美杏	Polarity-dependant Performance of p-Cu ₂ O/n-ZnO Heterojunction Solar Cells	ELECTROCHIMICA ACTA	20-Oct	2014
18	Optics	Huang, Y; Xia, LP; Wei, W; Chuang, CJ; Du, CL	莊沁融	Theoretical investigation of voltage sensitivity enhancement for surface plasmon resonance based optical fiber sensor with a bimetallic layer	OPTICS COMMUNICATIONS	15-Dec	2014
19	Engineering; Physics	Chen, YL; Chen, CY; Chou, YH; Chen, YH; Jeng, TR; Huang, DR	黃得瑞*	Performance Analysis for Multiview Auto-Stereoscopic Floating Images	IEEE TRANSACTIONS ON MAGNETICS	JUL	2014
20	Engineering; Physics	Huang, DR; Ju, JJ; Lee, YC; Chen, JS; Lo, FH; Chang, SL	黃得瑞*	New Disc Format for Biosensing by Using Optical Pick-Up Head System	IEEE TRANSACTIONS ON MAGNETICS	JUL	2014
21	Engineering; Physics	Huang, DR; Schlesinger, TE; Kawata, Y	黃得瑞*	SELECTED PAPERS FROM THE ASIA-PACIFIC DATA STORAGE CONFERENCE 2013 Hualien, Taiwan, November 20-22, 2013 Preface	IEEE TRANSACTIONS ON MAGNETICS	JUL	2014
22	Engineering; Physics	Huang, DR; Jeng, TR; Hsiao, FJ; Hong, CC; Chen, YL; Chen, CY	黃得瑞*	3-D Image and Storage Applications	IEEE TRANSACTIONS ON MAGNETICS	JUL	2014

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23	Chemistry	Lin, YG; Hsu, YK; Chen, YC; Lee, BW; Hwang, JS; Chen, LC; Chen, KH	徐裕奎	Cobalt-Phosphate-Assisted Photoelectrochemical Water Oxidation by Arrays of Molybdenum-Doped Zinc Oxide Nanorods	CHEMSUSCHEM	SEP	2014
24	Chemistry ; Science & Technology - Other Topics; Materials Science; Physics	Chen, YC; Lin, YG; Hsu, YK; Yen, SC; Chen, KH; Chen, LC	徐裕奎	Novel Iron Oxyhydroxide Lepidocrocite Nanosheet as Ultrahigh Power Density Anode Material for Asymmetric Supercapacitors	SMALL	24-Sep	2014
25	Physics	Chen, YJ; Lee, MC; Wang, CM	王智明	Dielectric function dependence on temperature for Au and Ag	JAPANESE JOURNAL OF APPLIED PHYSICS	JUL	2014
26	Electrochemistry	Hsu, YK; Chen, YC; Lin, YG	徐裕奎*	Synthesis of copper sulfide nanowire arrays for high-performance supercapacitors	ELECTROCHIMICA ACTA	1-Sep	2014
27	PHYSICS, APPLIED	Chun-Chieh Lin*, Hsiao-Yu Wu, Nian-Cin Lin, and Chu-Hsuan Lin	林群傑* 林楚軒	Graphene-Oxide-Based Resistive Switching Device for Flexible Nonvolatile Memory Application	Jpn. J. Appl. Phys.	31-Mar	2014
28	MATERIALS SCIENCE, COATINGS & FILMS	Yi-Hao Pai*, Chih-Teng Tsai, and Chih-Cheng Kao	白益豪*	Mixed-Phase Manganese Dioxide and Functionalized Graphite Supported Platinum/Manganese Dioxide Catalyst for Light-Driven Photoelectrochemical Cell	Journal of The Electrochemical Society	11-Jul	2014
29	OPTICS	Chih-Hsien Cheng, Wei-Lun Hsu, Chun-Jung Lin, Yi-Hao Pai, and Gong-Ru Lin	白益豪	Performance of Highly Transparent and Stable Zinc Oxide Co-Doped Thin-Film by Aluminum and Ytterbium	JOURNAL OF DISPLAY TECHNOLOGY	27-Apr	2014

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30	Chemistry, Multidisciplinary	Y.G. Lin*, Y.K. Hsu, Y.C. Chen, B.W. Lee, J.S. Hwang, L.C. Chen*, and K.H. Chen*	徐裕奎	Cobalt-Phosphate Assisted Mo-Doped ZnO Nanorod-Array Photoanodes for Enhanced Photoelectrochemical Water Oxidation	ChemSus Chem	9	2014
31	Electrochemistry	Y.K. Hsu*, Y.C. Chen, and Y.G. Lin*	徐裕奎	Synthesis of CuS Nanowire Arrays for High-performance Supercapacitors	Electrochimica Acta	9	2014
32	Chemistry	Chou, SH; Tsai, CH; Wu, CC; Kumar, D; Wong, KT	蔡志宏	Regioisomeric Effects on the Electronic Features of Indenothiophene-Bridged D-pi-A'-A DSSC Sensitizers	CHEMISTRY-A EUROPEAN JOURNAL	8-Dec	2014
33	Science & Technology - Other Topics; Materials Science; Physics	Hsiao, HT; Ni, IC; Tzeng, SD; Lin, WF; Lin, CH	林楚軒*, 曾賢德	The n-type Ge photodetectors with gold nanoparticles deposited to enhance the responsivity	NANOSCALE RESEARCH LETTERS	27-Nov	2014
34	Materials Science; Physics	Chang, JK; Kuo, YC; Chen, YJ; Lo, AL; Liu, IH; Tseng, WH; Wu, KH; Chen, MH; Wu, CI	陳美杏*	Bridging donor-acceptor energy offset using organic dopants as energy ladders to improve open-circuit voltages in bulk-heterojunction solar cells	ORGANIC ELECTRONICS	DEC	2014
35	Physics	Wen-Tzu Hsu, Zong-Sian Tsai, Liang-Chun Chen, Guan-Yu Chen, Chun-Chieh Lin, Mei-Hsin Chen, Jenn-Ming Song, Chu-Hsuan Lin*	林群傑, 陳美杏, 林楚軒*	Passivation ability of graphene oxide demonstrated by two-different-metal solar cells	Nanoscale Res. Lett.	Dec. 23	2014