

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Huang, CL	陳俊良*	Milling media and alloying effects on synthesis and characteristics of mechanically alloyed ODS heavy tungsten alloys	INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS	MAY	2014
2	Materials Science	Huang, JJ; Fu, YP; Wang, JY; Cheng, YN	傅彥培*, 王建義	Characterization of Fe-Cr alloy metallic interconnects coated with LSMO using the aerosol deposition process	MATERIALS RESEARCH BULLETIN	MAR	2014
3	Chemistry; Electrochemistry; Energy & Fuels	Lin, HY; Chang, YS	林欣瑜*	Photocatalytic water splitting on Au/HTiNbO5 nanosheets	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	25-Feb	2014
4	Materials Science	Chen, CC; Butler, E; Al Ahmad, M; Hung, YT; Fu, YN	傅彥培*	Characterizations of TiO2@Mn-Zn ferrite powders for magnetic photocatalyst prepared from used alkaline batteries and waste steel pickling liquor	MATERIALS RESEARCH BULLETIN	FEB	2014
5	Energy & Fuels; Materials Science; Physics	Lin, CR; Nichols, VM; Cheng, YC; Bardeen, CJ; Wei, MK; Liu, SW; Lee, CC; Su, WC; Chiu, TL; Han, HC; Chen, LC; Chen, CT	魏茂國	Chloroboron subphthalocyanine/C60 planar heterojunction organic solar cell with N,N-dicarbazolyl-3,5-benzene blocking layer	SOLAR ENERGY MATERIALS AND SOLAR CELLS	MAR	2014

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6	Engineering; Environmental Sciences & Ecology; Meteorology & Atmospheric Sciences	Hu, SH; Hu, SC	Hu, Shen-Chih	Application of magnetically modified sewage sludge ash (SSA) in ionic dye adsorption	JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION	1-Feb	2014
7	Chemistry; Materials Science;	Tien, LC; Lai, YC	田禮嘉*	Nucleation control and growth mechanism of pure alpha-Bi2O3 nanowires	APPLIED SURFACE SCIENCE	30-Jan	2014
8	Engineering; Materials Science; Physics	Rahman, MA; Fan, CW; Wang, SJ; Ho, CE; Gierlotka, W	紀渥德	Experimental Studies and Thermodynamic Assessment of Ternary Cu-Pd-Sn Phase Relations Focusing on the Sn-Rich Alloys	JOURNAL OF ELECTRONIC MATERIALS	JAN	2014
9	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Richter, A; Kogler, R	陳俊良*	The effect of dual Fe+/He+ ion beam irradiation on microstructural changes in FeCrAl ODS alloys	JOURNAL OF ALLOYS AND COMPOUNDS	15-Feb	2014
10	Materials Science; Physics	Huang, PC; Wong, MS	翁明壽*	Nanostructures of mixed-phase boron nitride via biased microwave plasma-assisted CVD	VACUUM	FEB	2014
11	Chemistry; Energy & Fuels; Optics; Physics	You, RW; Lew, KK; Fu, YP	傅彥培*	Effect of Electrodeposition Potential on Composition of CuIn <sub>1-x</sub> Ga <sub>x</sub> Se <sub>2</sub> Absorber Layer for Solar Cell by One-Step Electrodeposition	INTERNATIONAL JOURNAL OF PHOTOENERGY		2014

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12	Engineering; Environmental Sciences & Ecology	Hu, SH; Hu, SC	Hu, Shen-Chih	Kinetics of Ionic Dyes Adsorption with Magnetic-Modified Sewage Sludge	ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY	OCT	2014
13	Materials Science	Huang, CC; Su, YH; Tu, SL; Yung, TW; Ke, YF; Chen, TH	Yung, T. W.; Ke, Y. F.	Photochemical water splitting of WO <sub>3</sub> nanoparticles layers on indium tin oxide glass substance after absorbing chlorophyll	MATERIALS RESEARCH INNOVATIONS	MAY	2014
14	Materials Science	Fu, YP; Weng, CS	傅彥培*	Effect of rare-earth ions doped in BaCeO <sub>3</sub> on chemical stability, mechanical properties, and conductivity properties	CERAMICS INTERNATIONAL	AUG	2014
15	Materials Science; Physics	Wong, MS; Chiu, TW; Chu, JP; He, JH; Hsieh, JH; Huang, JH; Liang, YC; Lin, MT; Wu, YW	翁明壽*	Preface: The Biennial TACT International Thin Films Conference (TACT 2013)	THIN SOLID FILMS	3-Nov	2014
16	Engineering; Materials Science; Physics	Rahman, MA; Ho, CE; Gierlotka, W; Kuo, JC	紀渥德	Experimental Determination and Thermodynamic Modeling of the Sn-Rich Corner of the Ternary Ni-Pd-Sn Phase Diagram at 250 degrees C	JOURNAL OF ELECTRONIC MATERIALS	DEC	2014
17	Materials Science	Fu, YP; Hsieh, MY	傅彥培*	Chemical Bulk Diffusion Coefficient of a La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3-delta</sub> Cathode for Intermediate-Temperature Solid Oxide Fuel Cells	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	OCT	2014

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18	Chemistry ; Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Richter, A; Kogler, R; Griepentrog, M; Reinstadt, Wang, JY; Saufan, A; Lin, PH; Bor, HY; Lee, S; Zhang, Y	陳俊良*	Ion-irradiation effects on dissimilar friction stir welded joints between ODS alloy and ferritic stainless steel	JOURNAL OF ALLOYS AND COMPOUNDS	5-Dec	2014
19	Materials Science	Wang, JY; Saufan, A; Lin, PH; Bor, HY; Lee, S; Zhang, Y	王建義*	Mechanical properties and strengthening behavior of Mg-Zn-MM alloy	MATERIALS CHEMISTRY AND PHYSICS	14-Nov	2014
20	Science & Technology - Other Topics; Materials Science; Physics	Song, JM; Chen, WT; Hsieh, KH; Kao, TH; Chen, IG; Chiu, SJ; Lee, HY	Chen, Wei-Ting	An in situ study on the coalescence of monolayer-protected Au-Ag nanoparticle deposits upon heating	NANOSCALE RESEARCH LETTERS	27-Aug	2014
21	Science & Technology - Other Topics; Materials Science; Physics	Yu, IS; Chang, CP; Yang, CP; Lin, CT; Ma, YR; Chen, GG	余英松*. 馬遠榮	Characterization and density control of GaN nanodots on Si (111) by droplet epitaxy using plasma-assisted molecular beam epitaxy	NANOSCALE RESEARCH LETTERS	17-Dec	2014
22	Materials Science; Physics	Yang, YP; Wong, MS	翁明壽*	Structural and mechanical properties of annealed thin films of pure and carbon doped titania	SURFACE & COATINGS TECHNOLOGY	25-Nov	2014
23	Chemistry ; Electrochemistry; Energy & Fuels	Subardi, A; Cheng, MH; Fu, YP	傅彥培*	Chemical bulk diffusion and electrochemical properties of SmBa <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>2</sub> O <sub>5+delta</sub> cathode for intermediate solid oxide fuel cells	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	3-Dec	2014

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24	Materials Science	Tien, LC; Hsieh, YY	田禮嘉*	Defect-induced ferromagnetism in undoped In <sub>2</sub> O <sub>3</sub> nanowires	MATERIALS RESEARCH BULLETIN	DEC	2014
25	Physics	Chen, CL; Zeng, Y; Lee, JG	陳俊良*	Microstructure Evolution of Tungsten-Based ODS Alloys Reinforced with the gamma(Ni, Fe) Phase by a Secondary Ball Milling Method	ACTA PHYSICA POLONICA A	OCT	2014
26	Metallurgy & Metallurgical Engineering	Gierlotka, W	紀渥德*	A NEW THERMODYNAMIC DESCRIPTION OF THE BINARY Sb - Zn SYSTEM	JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY		2014

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1	CHEMISTRY, PHYSICAL; MATERIALS SCIENCE, MULTIDISCIPLINARY; METALLURGY & METALLURGICAL ENGINEERING	D. Jendrzek-Handzlik, K. Fitzner W. Gierlotka *	紀渥德	On the Cu - Ga system: electromotive force measurement and thermodynamic reoptimization	Journal of Alloys and Compounds	Sep.	2014