

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Materials Science	Li, CH; Hu, SH; Tay, KW; Fu, YP	傅彥培*	Electrochemical characterization of gradient Sm _{0.5} Sr _{0.5} CoO _{3-δ} cathodes on Ce _{0.8} Sm _{0.2} O _{1.9} electrolytes for solid oxide fuel cells	CERAMICS INTERNATIONAL	MAR	2012
2	Materials Science	Wu, YS; Chang, WK; Jou, M	張文固	Hydroxyapatite synthesised from nanosized calcium carbonate via hydrothermal method	MATERIALS TECHNOLOGY	FEB	2012
3	Chemistry ; Physics	Lin, CF; Lin, BH; Liu, SW; Hsu, WF; Zhang, M; Chiu, TL; Wei, MK; Lee, HH	魏茂國	Optical effects of shadow masks on short circuit current of organic photovoltaic devices	PHYSICAL CHEMISTRY CHEMICAL PHYSICS		2012
4	Chemistry ; Materials Science; Physics	Tien, LC; Chen, YJ	田禮嘉*	Effect of surface roughness on nucleation and growth of vanadium pentoxide nanowires	APPLIED SURFACE SCIENCE	1-Feb	2012
5	Engineering; Environmental Sciences & Ecology; Meteorology & Atmospheric Sciences	Hu, SH; Hu, SC; Fu, YP	傅彥培	Resource recycling through artificial lightweight aggregates from sewage sludge and derived ash using boric acid flux to lower co-melting temperature	JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION	FEB	2012
6	Engineering; Science & Technology - Other Topics; Physics	Song, JM; Liu, YR; Lai, YS; Chiu, YT; Lee, NC	宋振銘*.I	Influence of trace alloying elements on the ball impact test reliability of SnAgCu solder joints	MICROELECTRONICS RELIABILITY	JAN	2012

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7	Engineering; Environmental Sciences & Ecology	Lin, HY; Lin, HM	林欣瑜*	Visible-light photocatalytic inactivation of Escherichia coli by K4Nb6O17 and Ag/Cu modified K4Nb6O17	JOURNAL OF HAZARDOUS MATERIALS	30-May	2012
8	Science & Technology - Other Topics; Materials Science	Song, JM; Huang, BR; Liu, CY; Lai, YS; Chiu, YT; Huang, TW	宋振銘*.Huang, Bo-Ron	Nanomechanical responses of intermetallic phase at the solder joint interface - Crystal orientation and metallurgical effects	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	1-Feb	2012
9	Materials Science	Hsieh, TH; Jhong, FH; Ray, DT; Fu, YP	傅彥培*	Electrical properties of (La0.9Ca0.1)(Co1-xNix)O3-delta cathode materials for SOFCs	CERAMICS INTERNATIONAL	APR	2012
10	Chemistry	Leung, MK; Yang, WH; Chuang, CN; Lee, JH; Lin, CF; Wei, MK; Liu, YH	魏茂國	1,3,4-Oxadiazole Containing Silanes as Novel Hosts for Blue Phosphorescent Organic Light Emitting Diodes	ORGANIC LETTERS	5-Oct	2012
11	Electrochemistry; Materials Science	Fu, YP; Li, CH; Ouyang, J; Hu, SH; Tay, KW	傅彥培*	Electrochemical Properties of Composite (Sm0.5Sr0.5)(Co0.8Mn0.2)O3-delta (M=Cu, Mn) Cathodes for Intermediate Temperature Solid Oxide Fuel Cells	JOURNAL OF THE ELECTROCHEMICAL SOCIETY		2012
12	Materials Science; Metallurgy & Metallurgical Engineering	Hsu, CC; Wang, JY; Huang, JJ; Lee, S	王建義*	Refinement of the primary Si particles in hypereutectic aluminum alloy	METALS AND MATERIALS INTERNATIONAL	AUG	2012

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13	Geochemistry & Geophysics	Hwang, SL; Chu, HT; Varela, ME; Yui, TF; Shen, P	黃士龍	SEM-EDX AND ATEM STUDIES OF OLIVINITES FROM THE ANGRITE D'ORBIGNY	METEORITICS & PLANETARY SCIENCE	JUL	2012
14	Polymer Science	Wu, WK; Chuang, WT; Jeng, US; Su, CJ; Chen, SH; Chen, CY; Su, CH	陳素華	Effects of mesomorphic beta nanograins on crystallization and photoexcited emission of poly(9,9-di-n-hexyl-2,7-fluorene)	POLYMER	17-Aug	2012
15	Materials Science	Hu, SC; Hu, SH; Fu, YP; Sie, SF	傅彥培	LOWERED TEMPERATURE RESOURCE RECYCLING OF PAPER SLUDGE USING A CO-MELTING COMPOSITION	BIORESOURCES		2012
16	Electrochemistry; Materials Science	Fu, YP; Li, CH; Hu, SH	傅彥培*	Comparison of the Electrochemical Properties of Infiltrated and Functionally Gradient Sm _{0.5} Sr _{0.5} CoO _{3-delta} -Ce _{0.8} Sm _{0.2} O _{1.9} Composite Cathodes for Solid Oxide Fuel Cells	JOURNAL OF THE ELECTROCHEMICAL SOCIETY		2012
17	Science & Technology - Other Topics; Materials Science; Metallurgy & Metallurgical Engineering	Wu, SK; Wang, JY; Lin, KC; Bor, HY	王建義*	Effects of cold rolling and solid solution treatments on mechanical properties of beta-phase Mg-14.3Li-0.8Zn alloy	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	30-Aug	2012
18	Engineering; Environmental Sciences & Ecology	Hu, SH; Hu, SC; Fu, YP	傅彥培	Resource recovery of copper-contaminated sludge with jarosite process and selective precipitation	ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY	OCT	2012

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19	Science & Technology - Other Topics; Research & Experimental Medicine	Chang, WK; Sun, DS; Chan, H; Huang, PT; Wu, WS; Lin, CH; Tseng, YH; Cheng, YH; Tseng, CC; Chang, H	張文固	Visible light-responsive core-shell structured In ₂ O ₃ @CaIn ₂ O ₄ photocatalyst with superior bactericidal properties and biocompatibility	NANOMEDICINE-NANOTECHNOLOGY BIOLOGY AND MEDICINE	JUL	2012
20	Engineering; Physics	Lin, YS; Ng, SB; Yu, WF	林育賢*	Current Gain and Offset Voltage in an InGaP/GaAsSb/GaAs Double Heterojunction Bipolar Transistor	IEEE TRANSACTIONS ON ELECTRON DEVICES	DEC	2012
21	Engineering; Environmental Sciences & Ecology; Meteorology & Atmospheric Sciences	Hu, SH; Hu, SC; Fu, YP	傅彥培	Co-melting technology in resource recycling of sludge derived from stone processing	JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION		2012
22	Engineering; Environmental Sciences & Ecology; Marine & Freshwater Biology; Water Resources	Hung, YT; Butler, E; Yeh, RYL; Liu, LH; Al Ahmad, M; Fu, YP	傅彥培	Chemical and Allied Products	WATER ENVIRONMENT RESEARCH	OCT	2012

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23	Chemistry	Lin, HY; Shih, CY	林欣瑜*	Efficient One-Pot Microwave-Assisted Hydrothermal Synthesis of Nitrogen-Doped TiO ₂ for Hydrogen Production by Photocatalytic Water Splitting	CATALYSIS SURVEYS FROM ASIA	DEC	2012
24	Materials Science	Huang, CC; Wei, MK; Harmon, JP; Lee, SB	魏茂國	Nanoindentation creep in polycarbonate and syndiotactic polystyrene	JOURNAL OF MATERIALS RESEARCH	NOV	2012
25	Materials Science	Lee, S; Lan, HC; Lee, J; Wang, JY; Huang, JC; Chu, CH	王建義	Gas Forming a V-Shape Aluminum Sheet into a Trough of Saddle-Contour	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	NOV	2012
26	Engineering; Materials Science; Physics	Tien, LC; Tseng, CC; Ho, CH	田禮嘉*	Cathodoluminescence and Field-Emission Properties of beta-Ga ₂ O ₃ Nanobelts	JOURNAL OF ELECTRONIC MATERIALS	NOV	2012
27	Physics	Su, YH; Chen, WY	蘇彥勳*	Nanoantenna-like properties of sea-urchin shaped ZnO as a nanolight filter	APPLIED PHYSICS LETTERS	24-Sep	2012
28	ENGINEERING, ELECTRICAL & ELECTRONIC; PHYSICS, APPLIED	Y. S. Lin; S. B. Ng; W. F. Yu	林育賢*	Current Gain and Offset Voltage in an InGaP/GaAsSb/GaAs Double Heterojunction Bipolar Transistor	IEEE Trans. Electron Devices	December	2012
29	Geochemistry & Geophysics	Chu, HT; Hwang, SL; Shen, PY; Yui, TF	黃士龍	Pseudotachylyte in the Tananao Metamorphic Complex, Taiwan: Occurrence and dynamic phase changes of fossil earthquakes	TECTONOPHYSICS	18-Dec	2012

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
30	Chemistry ; Electrochemistry; Energy & Fuels	Fu, YP ; Ouyang, J ; Li, CH ; Hu, SH	傅彥培	Characterization of nanosized Ce _{0.8} Sm _{0.2} O _{1.9} -infiltrated Sm _{0.5} Sr _{0.5} Co _{0.8} Cu _{0.2} O _{3-δ} cathodes for solid oxide fuel cells	PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND	DEC	2012

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1	METALLURGY & METALLURGICAL ENGINEERING	Chun-Liang Chen, Asta Richter, Reinhard Kögler, Lung-Tien Wu	陳俊良	Dual-beam irradiation of friction stir spot welding of nanostructured ferritic oxide dispersion strengthened alloy	Journal of Alloys and Compounds	Sep	2012
2	METALLURGY & METALLURGICAL ENGINEERING	Chun-Liang Chen, You-Ming Dong, Shu-Mei Fu	陳俊良	Strain Heterogeneity, Recovery and Recrystallization of Nanostructured ODS Alloys during Cold Deformation	Materials Transactions	Sep	2012