

NO	Subject Category	Author	作者	Title	Publication Name	Date Published
1	Chemistry, Multidisciplinary; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Liu, BL; Fu, YP; Wang, ML	傅彥培	Magnetic and Catalytic Properties of Copper Ferrite Nanopowders Prepared by Combustion Process	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	FEB,2009
2	Chemistry, Physical	Yang, HC; Lin, HY; Chien, YS; Wu, JCS; Wu, HH	林欣瑜*	Mesoporous TiO ₂ /SBA-15, and Cu/TiO ₂ /SBA-15 Composite Photocatalysts for Photoreduction of CO ₂ to Methanol	CATALYSIS LETTERS	SEP,2009
3	Chemistry, Physical	Chen, MC; Hung, WC; Su, AC; Chen, SH; Chen, SA	陳素華	Nanoscale Ordered Structure Distribution in Thin Solid Film of Conjugated Polymers: Its Significance in Charge Transport Across the Film and in Performance of Electroluminescent Device	JOURNAL OF PHYSICAL CHEMISTRY B	13-Aug, 2009
4	Chemistry, Physical; Energy & Fuels; Environmental Sciences; Physics, Atomic, Molecular & Chemical	Wang, JY	王建義*	Comparison of hydrogen storage properties of Ti _{0.37} V _{0.38} Mn _{0.25} alloys prepared by mechanical alloying and vacuum arc melting	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	MAY,2009
5	Chemistry, Physical; Materials Science, Coatings & Films; Physics, Applied; Physics, Condensed Matter	Dong, TY; Wu, HH; Huang, C; Song, JM; Chen, IG; Kao, TH	宋振銘	Octanethiolated Cu and Cu ₂ O nanoparticles as ink to form metallic copper film	APPLIED SURFACE SCIENCE	1-Jan,2009
6	Chemistry, Physical; Materials Science, Multidisciplinary	Tung, HT; Chen, IG; Song, JM; Yen, CW	宋振銘	Thermally assisted photoreduction of vertical silver nanowires	JOURNAL OF MATERIALS CHEMISTRY	2009
7	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical	Chang, SH; Wu, SK; Tsai, WL; Wang, JY	王建義	Cold-rolling effect on damping capacity of high-temperature damping background for AZ80 magnesium alloy	JOURNAL OF ALLOYS AND COMPOUNDS	13-Nov, 2009

NO	Subject Category	Author	作者	Title	Publication Name	Date Published
	Engineering					
8	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Wang, JY	王建義*	Mechanical properties of room temperature rolled MgLiAlZn alloy	JOURNAL OF ALLOYS AND COMPOUNDS	19-Oct, 2009
9	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Chen, HH; Wang, JY; Lee, J; Lee, S; Lee, TH	王建義*	Superplasticity of AA5083 alloy as processed by equal channel angular extrusion (vol 460, pg 305, 2008)	JOURNAL OF ALLOYS AND COMPOUNDS	18-Sep, 2009
10	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Ho, CH; Li, JS; Chen, YJ; Wu, CC; Huang, YS; Tiong, KK	何清華*, 陳怡嘉, 吳慶成	Optical anisotropy of near band-edge transitions in zinc oxide nanostructures	JOURNAL OF ALLOYS AND COMPOUNDS	1-Jul,2009
11	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Gau, HJ; Yu, JL; Wu, CC; Kuo, YK; Ho, CH	何清華, 郭永綱, 吳慶成*	Thermoelectric properties of Zn-Sb alloys doped with In	JOURNAL OF ALLOYS AND COMPOUNDS	1-Jul,2009
12	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Liang, CH; Chan, YH; Tiong, KK; Huang, YS; Chen, YM; Dumcenco, DO; Ho, CH	何清華	Optical anisotropy of Au-doped ReS ₂ crystals	JOURNAL OF ALLOYS AND COMPOUNDS	1-Jul,2009
13	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Chang, WK; Wu, YS; Tzeng, CY; Lin, AY	張文固	Photocatalytic degradation and properties of core-shell like composite In ₂ O ₃ @Ba ₂ In ₂ O ₅ synthesized via chemical impregnation	JOURNAL OF ALLOYS AND COMPOUNDS	10-Jun, 2009
14	Chemistry, Physical; Materials Science, Multidisciplinary	Hsu, KC; Ho, CH; Lin, YS; Wu, YH; Hsu, RT;	何清華*, 林育賢	Optical and electrical characteristics of GaAs/InGaAs quantum-well device	JOURNAL OF ALLOYS AND COMPOUNDS	5-Mar,2009

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	ry; Metallurgy & Metallurgical Engineering	Huang, KW				
15	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Wang, JY; Tsai, HJ; Uan, JY; Wong, MS; Wu, SK	翁明壽, 王建義*	Investigation of the photo-catalytic coating on AZ91 alloy	JOURNAL OF ALLOYS AND COMPOUNDS	7-Jan,2009
16	Chemistry, Physical; Physics, Atomic, Molecular & Chemical	Dong, TY; Chen, WT; Wang, CW; Chen, CP; Chen, CN; Lin, MC; Song, JM; Chen, IG; Kao, TH	宋振銘	One-step synthesis of uniform silver nanoparticles capped by saturated decanoate: direct spray printing ink to form metallic silver films	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2009
17	Electrochemistry; Energy & Fuels	Chu, CL; Wang, JY; Lee, RY; Lee, TH; Lee, S	王建義	Oxidation Behavior of Various Metallic Alloys for Solid Oxide Fuel Cell Interconnect	JOURNAL OF FUEL CELL SCIENCE AND TECHNOLOGY	AUG,2009
18	Electrochemistry; Energy & Fuels	Wu, SH; Chen, MS; Chien, CJ; Fu, YP	傅彥培	Preparation and characterization of Ti ⁴⁺ -doped LiFePO ₄ cathode materials for lithium-ion batteries	JOURNAL OF POWER SOURCES	1-Apr,2009
19	Electrochemistry; Materials Science, Coatings & Films	Fu, YP; You, RW; Lew, KK	傅彥培*	CuIn _{1-x} Ga _x Se ₂ Absorber Layer Fabricated by Pulse-Reverse Electrodeposition Technique for Thin Films Solar Cell	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2009
20	Electrochemistry; Materials Science, Coatings & Films	Fu, YP; You, RW; Lew, KK	傅彥培*	Electrochemical Properties of Solid-Liquid Interface of CuIn _{1-x} Ga _x Se ₂ Prepared by Electrodeposition with Various Gallium Concentrations	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2009
21	Electrochemistry; Materials Science, Coatings & Films	Lin, YS; Liang, SK; Lin, YS	林育賢*	Performance of Surface and Gate-Engineered AlGaAs/InGaAs Pseudomorphic High-Electron Mobility Transistors	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2009
22	Electrochemistry; Materials Science, Coatings & Films; Physics, Condensed Matter	Kuo, DH; Wu, WH	郭東昊*	The Growth of GaN Nanowires by LiF-Assisted CVD	CHEMICAL VAPOR DEPOSITION	MAR,2009
23	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics,	Ho, CH; Wang, ST; Huang, YS; Tiong, KK	何清華*	Structural and luminescent property of gallium chalcogenides GaSe _{1-x} S _x layer compounds	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	JAN,2009

NO	Subject Category	Author	作者	Title	Publication Name	Date Published
	Applied; Physics, Condensed Matter					
24	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Liang, CH; Tiong, KK; Huang, YS; Dumcenco, D; Ho, CH	何清華	In-plane anisotropic electrical and optical properties of gold-doped rhenium disulphide	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	JAN,2009
25	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Condensed Matter	Ho, CH; Li, JS; Lin, YS	何清華*, 林育賢	Temperature-dependent photoreflectance and photoluminescence characterization of the subband structure and built-in electric field of GaAs/GaInAs graded-channel high electron mobility transistor structures	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	MAR,2009
26	Engineering, Electrical & Electronic; Nanoscience & Nanotechnology; Physics, Applied	Lin, YS; Chen, BY	林育賢*	AlGaAs/GaAs high-electron mobility transistor with In _{0.1} Ga _{0.9} As/In _{0.22} Ga _{0.78} As/In _{0.1} Ga _{0.9} As channel grown by metal-organic chemical vapor deposition	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B	MAR-APR, 2009
27	Engineering, Electrical & Electronic; Nanoscience & Nanotechnology; Physics, Applied	Lin, LW; Song, JM; Lai, YS; Chiu, YT; Lee, NC; Uan, JY	宋振銘*	Alloying modification of Sn-Ag-Cu solders by manganese and titanium	MICROELECTRONICS RELIABILITY	MAR,2009
28	Engineering, Electrical & Electronic; Physics, Applied	Lin, YS; Jiang, JJ	林育賢*	Temperature Dependence of Current Gain, Ideality Factor, and Offset Voltage of AlGaAs/GaAs and InGaP/GaAs HBTs	IEEE TRANSACTIONS ON ELECTRON DEVICES	DEC,2009
29	Engineering, Industrial; Engineering, Manufacturing; Materials Science, Multidisciplinary	Wu, HY; Hsu, CC; Won, JB; Sun, PH; Wang, JY; Lee, S; Chiu, CH; Torng, S	王建義	Effect of heat treatment on the microstructure and mechanical properties of the consolidated Mg alloy AZ91D machined chips	JOURNAL OF MATERIALS PROCESSING TECHNOLOGY	21-Apr, 2009
30	Engineering, Multidisciplinary; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary; Physics, Applied	Devan, RS; Ho, WD; Chen, CH; Shiu, HW; Ho, CH; Cheng, CL; Wu, SY; Liou, Y; Ma, YR	馬遠榮*, 吳勝允, 鄭嘉良, 何清華	High room-temperature photoluminescence of one-dimensional Ta ₂ O ₅ nanorod arrays	NANOTECHNOLOGY	4-Nov, 2009

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31	Materials Science, Ceramics	Fu, YP; Hu, SH; Liu, BL	傅彥培*	Structure characterization and mechanical properties of CeO ₂ -ZrO ₂ solid solution system	CERAMICS INTERNATIONAL	DEC,2009
32	Materials Science, Ceramics	Fu, YP; Liu, YC; Hu, SH	傅彥培*	Aqueous tape casting and crystallization behavior of gadolinium-doped ceria	CERAMICS INTERNATIONAL	DEC,2009
33	Materials Science, Ceramics	Tay, KW; Fu, YP; Huang, TY	傅彥培*	The influence of sintering aids for Nd(Mg _{0.5} Ti _{0.5})O-3 microwave dielectric ceramics properties	CERAMICS INTERNATIONAL	DEC,2009
34	Materials Science, Ceramics	Fu, YP; Lew, KK	傅彥培*	Crystallization behavior of Bi _{1.25} Y _{1.75} Fe ₅ O ₁₂ prepared by coprecipitation process	CERAMICS INTERNATIONAL	DEC,2009
35	Materials Science, Ceramics	Fu, YP; Su, YH; Lin, CH; Wu, SH	傅彥培*	Comparison of the microwave-induced combustion and solid-state reaction for the synthesis of LiMn ₂ O ₄ powder and their electrochemical properties	CERAMICS INTERNATIONAL	DEC,2009
36	Materials Science, Ceramics	Fu, YP; Hung, DS; Yao, YD	傅彥培*	Microwave properties of chromium-substituted lithium ferrite	CERAMICS INTERNATIONAL	AUG,2009
37	Materials Science, Ceramics	Lin, CH; Wang, CW; Fu, YP	傅彥培*	Characterization of Ni-Cu-Zn ferrite prepared from industrial wastes	CERAMICS INTERNATIONAL	AUG,2009
38	Materials Science, Ceramics	Fu, YP; Cheng, CW; Hung, DS; Yao, YD	傅彥培*	Formation enthalpy and magnetic properties of Bi-YIG powders	CERAMICS INTERNATIONAL	MAY,2009
39	Materials Science, Ceramics	Fu, YP; Wen, SB; Yen, CC	傅彥培*	Magnetic and thermal expansion properties of chromium-substituted lithium ferrite	CERAMICS INTERNATIONAL	APR,2009
40	Materials Science, Ceramics	Fu, YP; Hung, DS; Cheng, CW; Tsai, FY; Yao, YD	傅彥培*	Non-isothermal crystallization kinetics and microwave properties of Bi _{0.75} Y _{2.25} Fe ₅ O ₁₂ prepared by coprecipitation	CERAMICS INTERNATIONAL	MAR,2009
41	Materials Science, Ceramics	Fu, YP; Chen, SH; Tsai, FY; Hu, SH	傅彥培*	Aqueous tape casting and crystallization kinetics of Ce _{0.8} La _{0.2} O _{1.9} powder	CERAMICS INTERNATIONAL	MAR,2009
42	Materials Science, Ceramics	Fu, YP	傅彥培*	Ionic conductivity and mechanical properties of Y ₂ O ₃ -doped CeO ₂ ceramics synthesis by microwave-induced combustion	CERAMICS INTERNATIONAL	MAR,2009
43	Materials Science, Ceramics	Fu, YP; Chen, SH	傅彥培*	Aqueous processing of Ce _{0.8} Sm _{0.2} O _{1.9} green tapes	CERAMICS INTERNATIONAL	MAR,2009
44	Materials Science, Characterization & Testing	Chang, CW; Wu, CR; Chen, HC	傅彥培	Developing a Project Evaluation and Testing Model to Assess Stable Photovoltaic Slicing Machine	JOURNAL OF TESTING AND EVALUATION	MAY,2009
45	Materials Science, Coatings & Films; Physics, Applied	Chou, PW; Wang, YS; Lin, CC; Chen, YJ; Cheng, CL; Wong, MS	翁明壽*, 鄭嘉良, 陳怡嘉	Effect of carbon and oxygen on phase transformation of titania films during annealing	SURFACE & COATINGS TECHNOLOGY	25-Dec, 2009

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46	Materials Science, Coatings & Films; Physics, Applied	Chen, YJ; Wu, JM; Lin, CS; Jhan, GY; Wong, MS; Ke, SC; Lo, HH	柯學初, 翁明壽, 陳怡嘉*	Role of carbon in titania as visible-light photocatalyst prepared by flat-flame chemical vapor condensation method	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A	JUL,2009
47	Materials Science, Multidisciplinary	Fu, YP; Wang, HC	傅彥培*	Structure, electrical, and thermal expansion properties of (La _{0.8} Ca _{0.2})(Cr _{0.9} -xCo _{0.1} Ni _x)O ₃ -delta interconnect materials for intermediate temperature solid oxide fuel cells	JOURNAL OF MATERIALS RESEARCH	MAY,2009
48	Materials Science, Multidisciplinary	Fu, YP	傅彥培*	Electrical conductivity and magnetic properties of Li _{0.5} Fe _{2.5} -xCr _x O ₄ ferrite	MATERIALS CHEMISTRY AND PHYSICS	15-May, 2009
49	Materials Science, Multidisciplinary; Materials Science, Coatings & Films; Physics, Applied; Physics, Condensed Matter	Yang, HY; Lee, MF; Huang, CH; Lo, YS; Chen, YJ; Wong, MS	翁明壽*, 陳怡嘉, 羅幼旭, 黃家華	Glancing angle deposited titania films for dye-sensitized solar cells	THIN SOLID FILMS	31-Dec, 2009
50	Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Song, JM; Chuang, HY	宋振銘*	Faceting Behavior of Primary Ag in Bi-Ag Alloys for High Temperature Soldering Applications	MATERIALS TRANSACTIONS	JUL,2009
51	Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Song, JM; Shen, YL; Su, CW; Lai, YS; Chiu, YT	宋振銘*	Strain Rate Dependence on Nanoindentation Responses of Interfacial Intermetallic Compounds in Electronic Solder Joints with Cu and Ag Substrates	MATERIALS TRANSACTIONS	MAY,2009
52	Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Song, JM; Lin, YH; Su, CW; Wang, JY	宋振銘*, 王建義	Mechanical Responses of Superlight beta-Based Mg-Li-Al-Zn Wrought Alloys under Resonance	METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE	MAY,2009
53	Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering; Mineralogy; Mining & Mineral Processing	Chen, YJ; Ho, CH; Lai, HY; Du, JH	陳怡嘉*, 何清華	The formation of well-oriented dense ZnO film using MOCVD	JOM	JUN,2009
54	Materials	Kuo, DH;	郭東昊*	The Effect of Film Thickness of	FERROELECTRICS	2009

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	Science, Multidisciplinary; Physics, Condensed Matter	Chang, YC		Indium-Substituted (Bi _{3.35} Nd _{0.65})Ti ₃ O ₁₂ Films on Ferroelectric Performance		
55	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Kim, WJ; Kim, MJ; Wang, JY	王建義	Superplastic behavior of a fine-grained ZK60 magnesium alloy processed by high-ratio differential speed rolling	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	15-Dec, 2009
56	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Kim, WJ; Wang, JY; Choi, SO; Choi, HJ; Sohn, HT	王建義	Synthesis of ultra high strength Al-Mg-Si alloy sheets by differential speed rolling	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	15-Sep, 2009
57	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Kim, WJ; Kim, MJ; Wang, JY	王建義	Ultrafine-grained Mg-9Li-1Zn alloy sheets exhibiting low temperature superplasticity	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	15-Aug, 2009
58	Physics, Applied	Kao, TH; Song, JM; Chen, IG; Dong, TY; Hwang, WS; Lee, HY	宋振銘	Observations on the melting of Au nanoparticle deposits and alloying with Ni via in situ synchrotron radiation x-ray diffraction	APPLIED PHYSICS LETTERS	28-Sep, 2009
59	Physics, Applied	Fu, YP; Lin, CH	傅彥培*	Microwave-induced combustion synthesis of Li _{0.5} Fe _{2.5} -xMgxO ₄ powder and their characterization	JOURNAL OF APPLIED PHYSICS	1-Apr,2009
60	Physics, Applied	Ahad, FBA; Hung, DS; Yao, YD; Lee, SF; Tu, CS; Wang, TH; Chen, YY; Fu, YP	傅彥培	Dielectric constant at x-band microwave frequencies for multiferroic BiFeO ₃ thin films	JOURNAL OF APPLIED PHYSICS	1-Apr,2009
61	Physics, Applied	Nien, SY; Chiu, NF; Ho, YH; Lee, JH; Lin, CW; Wu, KC; Lee, CK; Lin, JR; Wei, MK; Chiu, TL	魏茂國	Directional photoluminescence enhancement of organic emitters via surface plasmon coupling	APPLIED PHYSICS LETTERS	9-Mar,2009

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62	Physics, Applied	Lin, YS; Jou, YJ; Huang, PC	林育賢*	Stability study and effect of passivation on InP/InGaAs double heterojunction bipolar transistors	APPLIED PHYSICS LETTERS	9-Feb,2009
63	Physics, Multidisciplinary	Yang, MC; Lin, CL; Su, WB; Lin, SP; Lu, SM; Lin, HY; Chang, CS; Hsu, WK; Tsong, TT	林欣瑜	Phase Contribution of Image Potential on Empty Quantum Well States in Pb Islands on the Cu(111) Surface	PHYSICAL REVIEW LETTERS	15-May, 2009
64	Polymer Science	Su, CH; Jeng, U; Chen, SH; Lin, SJ; Wu, WR; Chuang, WT; Tsai, JC; Su, AC	陳素華	Nanograin Evolution in Cold Crystallization of Syndiotactic Polystyrene As Illustrated via in-Situ Small/Wide-Angle X-ray Scattering and Differential Scanning Calorimetry	MACROMOLECULES	8-Sep, 2009
65	Polymer Science	Su, CH; Jeng, U; Chen, SH; Cheng, CY; Lee, JJ; Lee, YH; Su, WC; Tsai, JC; Su, AC	陳素華	Thermodynamic Characterization of Polymorphs in Bulk-Crystallized Syndiotactic Polystyrene via Small/Wide-Angle X-ray Scattering and Differential Scanning Calorimetry	MACROMOLECULES	23-Jun, 2009
66	Mineralogy	Hwang, SL; Shen, PY; Chu, HT; Yui, TF; Liou, JG; Sobolev, NV	黃士龍	Kumdykolite, an orthorhombic polymorph of albite, from the Kokchetav ultrahigh-pressure massif, Kazakhstan	EUROPEAN JOURNAL OF MINERALOGY	NOV-DEC, 2009
67	Materials Science, Multidisciplinary; Physics, Applied	Cherng, JS; Chang, DS	Chang, D. S.	Effects of pulse parameters on the pulsed-DC reactive sputtering of AlN thin films	VACUUM	10-Dec, 2009
68	Electrochemistry; Materials Science, Coatings & Films	Kuo, DH; Wu, WH	郭東昊*	Synthesis of Chemical-Vapor-Deposited GaN Nanowires with a (Ga ₂ O ₃ +NH ₃) System	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2009