

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Chemistry	Tien, LC; Shih, JL	田禮嘉*	Type-II alpha-In ₂ S ₃ /In ₂ O ₃ nanowire heterostructures: evidence of enhanced photo-induced charge separation efficiency	RSC ADVANCES		2016
2	Chemistry	Lin, HY; Shih, CY	林欣瑜*	Efficient one-pot microwave-assisted hydrothermal synthesis of M (M = Cr, Ni, Cu, Nb) and nitrogen co-doped TiO ₂ for hydrogen production by photocatalytic water splitting	JOURNAL OF MOLECULAR CATALYSIS IS A-CHEMICAL	JAN	2016
3	Engineering; Materials Science; Physics	Saravanan, R; Thenmozhi, N; Fu, YP	傅彥培	Preparation and Charge Density in (Co, Fe)-Doped La-Ca-Based Chromite	JOURNAL OF ELECTRONIC MATERIALS	AUG	2016
4	Physics	Saravanan, R; Thenmozhi, N; Fu, YP	傅彥培	Structural characterization and electron density distribution studies of (La _{0.8} Ca _{0.2})(Cr _{0.9-x} Co _{0.1} Mn _x)O ₃	PHYSICA B-CONDENSED MATTER	15-Jul	2016
5	Electrochemistry	Subardi, A; Chen, CC; Cheng, MH; Chang, WK; Fu, YP	傅彥培* 張文固	Electrical, thermal and electrochemical properties of SmBa _{1-x} Sr _x Co ₂ O _{5+delta} cathode materials for intermediate-temperature solid oxide fuel cells	ELECTROCHIMICA ACTA	20-Jun	2016
6	Science & Technology - Other Topics; Materials Science; Physics	Chen, HJY; Yang, DL; Huang, TW; Yu, IS	余英松*	Formation and Temperature Effect of InN Nanodots by PA-MBE via Droplet Epitaxy Technique	NANOSCALE RESEARCH LETTERS	4-May	2016
7	Engineering; Physics	Bauer, EB; Chen, CC; Hung, YT; Al Ahmad, MCF	傅彥培*	Effect of Fe-doped TiO ₂ photocatalysts on the degradation of acid orange 7	INTEGRATED FERROELECTRICS		2016

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8	Materials Science	Fu, YP; Subardi, A; Hsieh, MY; Chang, WK	傅彥培* 張文固	Electrochemical Properties of La _{0.5} Sr _{0.5} Co _{0.8} M _{0.2} O ₃ - (M=Mn, Fe, Ni, Cu) Perovskite Cathodes for IT-SOFCs	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	APR	2016
9	Engineering; Materials Science; Physics	Gierlotka, W	紀渥德*	Thermodynamic Description of the Ternary Sb-Sn-Zn System	JOURNAL OF ELECTRONIC MATERIALS	APR	2016
10	Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Zeng, Y	陳俊良*	Synthesis and characteristics of W-Ti alloy dispersed with Y ₂ Ti ₂ O ₇ oxides	INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS	APR	2016
11	Materials Science; Nuclear Science & Technology; Mining & Mineral	Chen, CL; Zeng, Y	陳俊良*	Influence of Ti content on synthesis and characteristics of W-Ti ODS alloy	JOURNAL OF NUCLEAR MATERIALS	FEB	2016
12	Chemistry ; Science & Technology - Other Topics; Materials Science; Physics	Patil, RA; Wei, MK; Yeh, PH; Liang, JB; Gao, WT; Lin, JH; Liou, Y; Ma, YR	馬遠榮* 魏茂國	Size-controllable synthesis of Bi/Bi ₂ O ₃ heterojunction nanoparticles using pulsed Nd:YAG laser deposition and metal-semiconductor-heterojunction-assisted photoluminescence	NANOSCALE	14-Feb	2016
13	Materials Science; Physics	Shen, SJ; Yang, TS; Wong, MS	翁明壽*	Co-sputtered boron-doped titanium dioxide films as photocatalysts	SURFACE & COATINGS TECHNOLOGY	15-Oct	2016

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14	Chemistry ; Science & Technology - Other Topics; Materials Science	Chan, CH; Lin, MH; Chao, LC; Lee, KY; Tien, LC; Ho, CH	田禮嘉	Optical Characterization of Structural Quality in the Formation of In ₂ O ₃ Thin-Film Nanostructures	JOURNAL OF PHYSICAL CHEMISTRY C	29-Sep	2016
15	Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Zeng, Y	陳俊良*	Effect of consolidation and oxide dispersoid addition on phase formation and mechanical properties of W-Ti ODS alloy	INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS	NOV	2016
16	Materials Science	Tien, LC; Yang, SJ; Chen, YH; Ho, CH	田禮嘉*	Observation of near-band-edge photoluminescence and UV photoresponse in near-stoichiometric Zn ₂ SnO ₄ nanowires	MATERIALS RESEARCH EXPRESS	JUN	2016
17	Chemistry ; Crystallography	Hwang, SL; Shen, P; Chu, HT; Yui, TF	黃士龍*	On the forbidden and the optimum crystallographic variant of rutile in garnet	JOURNAL OF APPLIED CRYSTALLOGRAPHY	DEC	2016
18	Polymer Science	Su, CR; Wu, WR; Chen, CY; Su, CJ; Chuang, WT; Liao, KF; Chen, SH; Su, AG; Li, J	陳素華	Nanograin nucleation at the growth front in melt crystallization of syndiotactic polystyrene	POLYMER	22-Nov	2016

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19	Mineralogy	Hwang, SL; Shen, P; Chu, HT; Yui, TF; Varela, ME; Iizuka, Y	黃士龍*	Kuratite, Ca ₄ (Fe-10(2+) Ti-2)O-4[Si ₈ Al ₄ O ₃₆], the Fe ²⁺ -analogue of rhonite, a new mineral from the D'Orbigny angrite meteorite	MINERALOGICAL MAGAZINE	OCT	2016
20	Nuclear Science & Technology	Chen, CL; Zeng, Y	陳俊良*	The effect of La on the synthesis and properties of a W-Ti alloy	FUSION ENGINEERING AND DESIGN	DEC	2016
21	Materials Science; Physics	Huang, JH; Chang, L; Chu, JP; Huang, BR; Hsieh, JH; Lin, MT; Liu, CP; Ting, JM; Wu, JJ; Shen, YL; Wong, MS; Yu, VC	翁明壽	Preface: the Biennial TACT International Thin Films Conference (TACT 2015)	THIN SOLID FILMS	1-Nov	2016
22	Chemistry ; Science & Technology - Other Topics; Materials Science; Physics	Lin, HY; Hang, WC	林欣瑜*	Photocatalytic Properties of NaTaO ₃ Nanocrystals Prepared by Microwave-Assisted Hydrothermal Synthesis	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	SEP	2016
23	Chemistry ; Materials Science; Physics	Tang, ZP; Cheng, HE; Chang, IH; Yu, TC	余英松*	Atomic Layer Deposition TiO ₂ Films and TiO ₂ /SiNx Stacks Applied for Silicon Solar Cells	APPLIED SCIENCE BASEL	AUG	2016

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24	Geology	Zellmer, GF; Sakamoto , N; Hwang, SL; Matsuda, N; Iizuka, Y; Moebis, A; Yurimoto, H	黃士龍	Inferring the Effects of Compositional Boundary Layers on Crystal Nucleation, Growth Textures, and Mineral Chemistry in Natural Volcanic Tephras through Submicron-Resolution Imaging	FRONTIER	28-Sep	2016

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1	Chemistry ; Electrochemistry; Energy & Fuels	Liu, YC; Hsu, J ; Fu, YP; Tsai, KA	傅彥培	Preparation of Cu-Zn ferrite photocatalyst and it's application	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	SEP 21	2016