

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Chemistry	Chen, CC; Jaihindh, D; Hu, SH; Fu, YP	傅彥培*	Magnetic recyclable photocatalysts of Ni-Cu-Zn ferrite@SiO <sub>2</sub> @TiO <sub>2</sub> @Ag and their photocatalytic activities	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMIST	1-Feb	2017
2	Engineering; Materials Science; Physics	Gierlotka, W	紀渥德*	Thermodynamic Description of the Ternary Sb-Sn-Zn System (vol 45, pg 2216, 2016)	JOURNAL OF ELECTRONIC MATERIALS	JAN	2017
3	Materials Science; Physics	Yang, ZP; Tsou, TH; Lee, CY; Kan, KY; Yu, IS	余英松*	Effects of substrate and annealing on GaN films grown by plasma-assisted molecular beam epitaxy	SURFACE & COATING TECHNOLOGY	25-Jun	2017
4	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Ma, SH	陳俊良*	Effects of Ni/Co ratio and mechanical alloying on characteristics and sintering behavior of W-Ni-Co tungsten heavy alloys	JOURNAL OF ALLOYS AND COMPOUNDS	15-Jul	2017
5	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Susanto, I; Tsou, TH; Yang, ZP; Lee, CY; Li, H; Yu, IS	余英松*	Effects of N/Ga flux ratio on GaN films grown on 4H-SiC substrate with 4 degrees miscutting orientation by plasma-assisted molecular beam epitaxy	JOURNAL OF ALLOYS AND COMPOUNDS	5-Jul	2017
6	Materials Science	Gierlotka, W; Lee, CY	紀渥德*	Thermodynamic description of hydrogen storage materials Cr-Ti-Zr and Fe-Ti-Zr	JOURNAL OF MATERIALS RESEARCH	APR	2017

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7	Chemistry ; Physics	Thenmozhi, N; Saravanan, R; Fu, YP	傅彥培	Crystal Structure and Bonding Analysis of (La <sub>0.8</sub> Ca <sub>0.2</sub> )(Cr-0.9 <sub>x</sub> Co <sub>0.1</sub> Cu <sub>x</sub> )O <sub>3</sub> Ceramics	ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL CHEMISTRY	APR	2017
8	Materials Science; Optics	Fu, YS; Cheng, HE; Chang, CC; Lin, YW; Chen, HT; Wang, YC; Wang, ZD	余英松	Substrate-insensitive atomic layer deposition of plasmonic titanium nitride films	OPTICAL MATERIALS EXPRESS	1-Mar	2017
9	Engineering; Science & Technology - Other Topics; Physics	Lin, YS; Lu, CC	林育賢*	Effects of postdeposition annealing on TiO <sub>2</sub> /GaN/AlGaN/GaN/Si metal-oxide-semiconductor high-electron mobility transistors	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B	JAN-FEB	2017
10	Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Lin, CH	陳俊良*	A Study on the Aging Behavior of Al6061 Composites Reinforced with Y <sub>2</sub> O <sub>3</sub> and TiC	METALS	JAN	2017
11	Science & Technology - Other Topics; Materials Science	Sun, DS; Tseng, YH; Wu, WS; Wong, MS; Chang, HH	翁明壽	Visible Light-Responsive Platinum-Containing Titania Nanoparticle-Mediated Photocatalysis Induces Nucleotide Insertion, Deletion and Substitution Mutations	NANOMATERIALS	JAN	2017

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12	Chemistry	Subardi, A; Liao, KY; Fu, YP	傅彥培*	Oxygen permeation, thermal expansion behavior and electrochemical properties of LaBa0.5Sr0.5Co2O5+delta cathode for SOFCs	RSC ADVANCES		2017
13	Materials Science; Physics	Jou, JH; Yu, HH; Tung, FC; Chiang, CH; He, ZK; Wei, MK	魏茂國	A replacement for incandescent bulbs: high-efficiency blue-hazard free organic light-emitting diodes	JOURNAL OF MATERIALS CHEMISTRY C		2017
14	Optics	Tan, GJ; Lee, JH; Lan, YH; Wei, MK; Peng, LH; Cheng, IC; Wu, ST	魏茂國	Broadband antireflection film with moth-eye-like structure for flexible display applications	OPTICA	20-Jul	2017
15	Chemistry ; Electrochemistry; Energy & Fuels	Subardi, A; Chen, CC; Fu, YP	傅彥培*	Oxygen transportation, electrical conductivity and electrochemical properties of layered perovskite SmBa0.5Sr0.5Co2O5+delta	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	23-Feb	2017
16	Energy & Fuels; Materials Science; Physics	Dumon, L; Benzo, P; Cardin, J; Yu, IS; Labbe, C; Marie, P; Dufour, C; Zatoryb, G; Podhorodecki, A; Gourbilleau, F	余英松	Down-shifting Si-based layer for Si solar applications	SOLAR ENERGY MATERIALS AND SOLAR CELLS	SEP	2017
17	Materials Science; Physics	Tien, LC; Shen, IC	田禮嘉*	Facile synthesis of Bi25VO40 nanowires for visible-light-driven photocatalysts	MATERIALS LETTERS	1-Sep	2017

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18	Chemistry ; Materials Science; Metallurgy & Metallurgical Engineering	Susanto, I; Kan, KY; Yu, IS	余英松*	Temperature effects for GaN films grown on 4H-SiC substrate with 4 degrees miscutting orientation by plasma-assisted molecular beam epitaxy	JOURNAL OF ALLOYS AND COMPOUNDS	5-Nov	2017
19	Materials Science; Physics	Chen, HJY; Su, YZ; Yang, DL; Huang, TW; Yu, IS	余英松*	Effects of substrate pre-nitridation and post-nitridation processes on InN quantum dots with crystallinity by droplet epitaxy	SURFACE & COATING TECHNOLOGY	15-Sep	2017
20	Chemistry ; Electrochemistry; Energy & Fuels	Subardi, A; Fu, YP	傅彥培*	Electrochemical and thermal properties of SmBa <sub>0.5</sub> Sr <sub>0.5</sub> CO <sub>2</sub> O <sub>5+delta</sub> cathode impregnated with Ce <sub>0.8</sub> Sm <sub>0.2</sub> O <sub>1.9</sub> nanoparticles for intermediate-temperature solid oxide fuel cells	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	21-Sep	2017
21	Geochemistry & Geophysics	Variera, ME; Hwang, SL; Shen, P; Chu, HT; Yui, TF; Iizuka, Y; Brandstatter, F; Abdu, SZ	黃士龍	Olivinites in the angrite D'Orbigny: Vestiges of pristine reducing conditions during angrite formation	GEOCHIMICA ET COSMOCHEMICA ACTA	15-Nov	2017
22	Chemistry ; Materials Science; Physics	Kuok, FH; Kan, KY; Yu, IS; Chen, CW; Hsu, CC; Cheng, IC; Chen, JZ	余英松	Application of atmospheric-pressure plasma jet processed carbon nanotubes to liquid and quasi-solid-state gel electrolyte supercapacitors	APPLIED SURFACE SCIENCE	15-Dec	2017

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23	Materials Science; Nuclear Science & Technology	Kienker, A; Anwand, W; Chen, CL; Bottger, P	陳俊良	Evaluation of defect formation in helium irradiated Y2O3 doped W-Ti alloys by positron annihilation and nanoindentation	JOURNAL OF NUCLEAR MATERIALS	OCT	2017
24	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Gierlotka, W; Tung, YC	紀渥德*	A New Thermodynamic Description of the Bi-Pb-Sn System	JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION	OCT	2017
25	Water Resources	Butler, E, Hung, YT; Al Ahmad, MS; Yeh, RYL; Liu, RLH; Fu, YP	傅彥培	Oxidation pond for municipal wastewater treatment	APPLIED WATER SCIENCE	MAR	2017
26	Engineering; Water Resources	Butler, E; Hunt, E; Fu, YP; Mulamba, O; Spaar, N	傅彥培	Investigating the governing decolorization mechanisms of nanodiamond in the treatment of an azo dye	DESALINATION AND WATER TREATMENT	AUG	2017
27	Electrochemistry; Materials Science	Tang, CH; Chen, CW; Lin, YK; Yeh, YC; Hsu, CC; Fan, YJ; Yu, IS; Chen, CH	余英松	Atmospheric-Pressure Plasma Jet Processed Carbon-Based Electrochemical Sensor Integrated with a 3D-Printed Microfluidic Channel	JOURNAL OF THE ELECTROCHEMICAL SOCIETY		2017
28	Engineering; Materials Science; Physics	Chen, SW; Chiu, WT; Gierlotka, W; Chen, CH	紀渥德	Liquidus Projection and Thermodynamic Modeling of a Sn-Ag-Zn System	JOURNAL OF ELECTRONIC MATERIALS	DEC	2017

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29	Materials Science	You, RW; Lew, KK; Fu, YP	傅彥培*	Effect of indium concentration on electrochemical properties of electrode-electrolyte interface of $\text{CuIn}_{1-x}\text{Ga}_x\text{Se}_2$ prepared by sol-gel method	MATERIALS RESEARCH BULLETIN	DEC	2017
30	Chemistry ; Engineering	Jaihindh, DP; Fu, YP	傅彥培*	Facile synthesis of deep eutectic solvent assisted $\text{BiOCl}/\text{BiVO}_4/\text{AgNWs}$ plasmonic photocatalysts under visible light enhanced catalytic performance	CATALYSIS TODAY	15-Nov	2017
31	Metallurgy & Metallurgical Engineering	Gierlotka, W	紀渥德*	SIZE-DEPENDENT THERMODYNAMIC DESCRIPTION OF THE BINARY Pb-Sn SYSTEM	JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY		2017
32	Materials Science	Fei-Hong Kuok, Chen-Yu Liao, Chieh-Wen Chen, Yu-Chuan Hao, Ing-Song Yu and Jian-Zhang Chen	余英松	Screen-printed $\text{SnO}_2/\text{CNT}$ quasi-solid-state gel-electrolyte supercapacitor	Materials Research Express	2-Nov	2017