

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Materials Science; Physics	Tsai, CY; Su, YZ; Yu, IS	余英松*	Effects of temperature and nitradition on phase transformation of GaN quantum dots grown by droplet epitaxy	SURFACE & COATINGS TECHNOLOGY	25-Jan	2019
2	Chemistry; Materials Science; Physics	Lin, HY; Cian, LT	林欣瑜*	Microwave-Assisted Hydrothermal Synthesis of SrTiO3:Rh for Photocatalytic Z-scheme Overall Water Splitting	APPLIED SCIENCES-BASEL	1-Jan	2019
3	Energy & Fuels; Materials Science; Physics	Dumont, L; Cardin, J; Labbe, C; Frilay, C; Anglade, PM; Yu, IS; Vallet, M; Benzo, P; Carrada, M; Stievenard, D; Merabet, H; Gourbilleau, F	余英松	First down converter multilayers integration in an industrial Si solar cell process	PROGRESS IN PHOTOVOLTAICS	FEB	2019
4	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Lin, CH	陳俊良*	In-situ dispersed La oxides of Al6061 composites by mechanical alloying	JOURNAL OF ALLOYS AND COMPOUNDS	15-Feb	2019
5	Materials Science	Subardi, A; Liao, KY; Fu, YP	傅彥培*	Oxygen transport, thermal and electrochemical properties of NdBa0.5Sr0.5Co2O5+delta cathode for SOFCs	JOURNAL OF THE EUROPEAN CERAMIC SOCIETY	JAN	2019
6	Materials Science	Tien, LC; Peng, SH	田禮嘉*	Selective synthesis of alpha-Bi2O3/rGO and beta-Bi2O3/rGO heterostructures as efficient visible-light-driven photocatalysts	CERAMICS INTERNATIONAL	15-Aug	2019
7	Materials Science; Metallurgy & Metallurgical Engineering	Gierlotka, W; Chen, SW; Tseng, SM; Lin, PH	紀渥德*	Co-In-Sb Ternary System (II): Isoplethal Section and Thermodynamic Modeling	METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE	AUG	2019

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8	Chemistry; Electrochemistry; Energy & Fuels	Jaihindh, DP; Verma, A; Chen, CC; Huang, YC; Dong, CL; Fu, YP	傅彥培*	Study of oxidation states of Fe- and Co-doped TiO <sub>2</sub> photocatalytic energy materials and their visible-light-driven photocatalytic behavior	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	14-Jun	2019
9	Chemistry	Verma, A; Jaihindh, DP; Fu, YP	傅彥培*	Photocatalytic 4-nitrophenol degradation and oxygen evolution reaction in CuO/g-C <sub>3</sub> N <sub>4</sub> composites prepared by deep eutectic solvent-assisted chlorine doping	DALTON TRANSACTIONS	28-Jun	2019
10	Chemistry	Kavinkumar, V; Jaihindh, DP; Verma, A; Jothivenkatachalam, K; Fu, YP	傅彥培*	Influence of cobalt substitution on the crystal structure, band edges and photocatalytic properties of hierarchical Bi <sub>2</sub> WO <sub>6</sub> microspheres	NEW JOURNAL OF CHEMISTRY	21-Jun	2019
11	Engineering; Science & Technology - Other Topics; Optics; Physics	Lin, YS; Chen, BY	林育賢*	Effects of surface passivation and temperature on AlGaAs/InGaAs high-electron mobility transistor	MICROELECTRONIC ENGINEERING	1-Jun	2019
12	Chemistry	Pylnev, M; Wong, MS	翁明壽*	Comparative study of photocatalytic deactivation of pure and black titania thin films	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	1-Jun	2019
13	Mineralogy	Hwang, SL; Shen, PY; Chu, HT; Yui, TF; Varela, ME; Lizuka, Y	黃士龍*	New minerals tsangpoite Ca-5(PO <sub>4</sub> )( <sub>2</sub> )(SiO <sub>4</sub> ) and matyhite Ca-9(Ca-0.5 square(0.5))Fe(PO <sub>4</sub> )( <sub>7</sub> ) from the D'Orbigny angrite	MINERALOGICAL MAGAZINE	APR	2019
14	Science & Technology - Other Topics; Materials Science	Chang, YH; Chang, HC; Fu, YP	張海舟*.傅彥培	Utilizing Infrared Spectroscopy to Analyze the Interfacial Structures of Ionic Liquids/Al <sub>2</sub> O <sub>3</sub> and Ionic Liquids/Mica Mixtures under High Pressures	NANOMATERIALS	MAR	2019

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15	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Suprianto	陳俊良*	Influence of Ta and Y2O3 on synthesis, phase evolution and mechanical properties of Co-Al-W based alloys	JOURNAL OF ALLOYS AND COMPOUNDS	30-Jun	2019
16	Optics	Liang, HW; Hsu, HC; Wu, JN; He, XF; Wei, MK; Chiu, TL; Lin, CF; Lee, JH; Wang, JH	魏茂國	Corrugated organic light-emitting diodes to effectively extract internal modes	OPTICS EXPRESS	15-Apr	2019
17	Chemistry	Yu, IS; Wu, SC; Dumont, L; Cardin, J; Labbe, C; Gourbilleau, F	余英松*	Monolithic crystalline silicon solar cells with SiNx layers doped with Tb3+ and Yb3+ rare-earth ions	JOURNAL OF RARE EARTHS	MAY	2019
18	Chemistry; Materials Science; Physics	Huang, HH; Juodkakis, S; Hatanaka, K	Hatanaka, Koji	Correlated emission of X-ray and sound from water film irradiated by femtosecond laser pulses	APPLIED SURFACE SCIENCE	30-Jun	2019
19	Engineering	Lin, YS; Goa, WH	林育賢*	High-temperature stability of improved AlGaN/AlN/GaN HEMT with pre-gate metal treatment	IEICE ELECTRONICS EXPRESS	10-Mar	2019
20	Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Sutrisna	陳俊良*	The Effect of Mo and Dispersoids on Microstructure, Sintering Behavior, and Mechanical Properties of W-Mo-Ni-Fe-Co Heavy Tungsten Alloys	METALS	FEB	2019
21	Engineering; Environmental Sciences & Ecology	Jaihindh, DP; Thirumalraj, B; Chen, SM; Balasubramanian, P; Fu, YP	傅彥培*	Facile synthesis of hierarchically nanostructured bismuth vanadate: An efficient photocatalyst for degradation and detection of hexavalent chromium	JOURNAL OF HAZARDOUS MATERIALS	5-Apr	2019
22	Geology	Hwang, SL; Shen, PY; Chu, HT; Yui, TF; Iizuka, Y; Schertl, HP	黃士龍*	Rutile inclusions in garnet from a dissolution-reprecipitation mechanism	JOURNAL OF METAMORPHIC GEOLOGY	OCT	2019

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23	Materials Science; Physics	Wong, MS; Lin, YJ; Pylnev, M; Kang, WZ	翁明壽*	Processing, structure and properties of reactively sputtered films of titanium dioxide and suboxides	THIN SOLID FILMS	31-Oct	2019
24	Chemistry	Kavinkumar, V; Verma, A; Masilamani, S; Kumar, S; Jothivenkatachalam, K; Fu, YP	傅彥培*	Investigation of the structural, optical and crystallographic properties of Bi <sub>2</sub> WO <sub>6</sub> /Ag plasmonic hybrids and their photocatalytic and electron transfer characteristics	DALTON TRANSACTIONS	21-Jul	2019
25	Engineering; Materials Science; Physics	Song, JM; Lu, WC; Chou, PW	Lu, Wei-Chih	Nanomechanical Responses of an Intermetallic Compound Layer in Transient Liquid Phase Bonding Using Indium	JOURNAL OF ELECTRONIC MATERIALS		
26	Science & Technology - Other Topics; Materials Science; Physics	Liu, KP; Cristini- Robbe, O; Elmi, OI; Wang, SL; Wei, B; Yu, I; Portier, X; Gourbilleau, F; Stievenard, D; Xu, T	余英松	Tunneling Atomic Layer-Deposited Aluminum Oxide: a Correlated Structural/Electrical Performance Study for the Surface Passivation of Silicon Junctions	NANOSCALE RESEARCH LETTERS	22-Oct	2019
27	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Suprianto	陳俊良*	Effects of nano-dispersoids on synthesis and characterization of low Cr-containing CoNiFeMnCr high entropy alloy by mechanical alloying	INTERMETALLICS	OCT	2019
28	Materials Science	Lin, IT; Chiou, TC; Lee, CD; Gierlotka, W	紀渥德*	Ab-initio and molecular dynamics supported thermodynamic modeling of binary Cu - Ta system	MATERIALS CHEMISTRY AND PHYSICS	15-Jun	2019
29	Engineering; Science & Technology - Other Topics; Optics; Physics	Lin, YS; Ma, YC	林育賢*	InAlAs/InGaAs/GaAs metamorphic high-electron mobility transistors with selective and nonselective recess gate processes	MICROELECTRONIC ENGINEERING	15-Sep	2019

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30	Chemistry; Materials Science; Physics	Susanto, I; Tsai, CY; Fachruddin; Rahmiati, T; Ho, YT; Tsai, PY; Yu, IS	余英松*	The influence of 2D MoS <sub>2</sub> layers on the growth of GaN films by plasma-assisted molecular beam epitaxy	APPLIED SURFACE SCIENCE	1-Dec	2019
31	Science & Technology - Other Topics; Materials Science	Kumar, SA; Kuppusami, P; Vigneshwaran, B; Fu, YP	傅彥培*	Codoped Ceria Ce <sub>0.8</sub> M <sub>0.1</sub> Gd <sub>0.1</sub> O <sub>2-δ</sub> (M = Sm <sup>3+</sup> , Sr <sup>2+</sup> , Ca <sup>2+</sup> ) and Codoped Ceria-Na <sub>2</sub> CO <sub>3</sub> Nanocomposite Electrolytes for Solid Oxide Fuel Cells	ACS APPLIED NANO MATERIALS	OCT	2019

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1	Materials Science; Metallurgy & Metallurgical Engineering	C.-L. Chen* and Suprianto	陳俊良*	Effects of nano-dispersoids on synthesis and characterization of low Cr containing CoNiFeMnCr high entropy alloy by mechanical alloying	Intermetallics	Oct	2019
2	Chemistry ; Materials Science; Physics	Iwan Susanto, Chi-Yu Tsai, Fachruddin, Tia Rahmiati, Yen-Ten Ho, Ping-Yu Tsai and <b>Ing-Song Yu*</b>	余英松*	The influence of 2D MoS2 layers on the growth of GaN films by plasma-assisted molecular beam epitaxy	APPLIED SURFACE SCIENCE		2019
3	Materials Science, Multidisciplinary;	Lin, I.-T.; Chiou, T.-C.; Lee, C.-D., Gierlotka, W.*	紀渥德*	Ab-initio and molecular dynamics supported thermodynamic modeling of binary Cu-Ta system	MATERIALS CHEMISTRY AND PHYSICS	JUN	2019
4	Materials Science, Multidisciplinary;	Gierlotka, W.*	紀渥德*	On the binary Sb – Sn system: ab initio calculation and thermodynamic remodeling	JOURNAL OF MATERIALS SCIENCE	AUG	2019
5	Metallurgy & Metallurgical Engineering	Gierlotka, W.*; Lothongkum, G.; Lohwongwatana, B. Puncreoburt, C.	紀渥德*	Atomic mobility in Titanium grade 5 (Ti6Al4V)	JOURNAL OF MINING AND METALLURGY, SECTION B	APR	2019