

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Chemistry	Jaihindh, DP; Chen, CC; Fu, YP	傅彥培*	Reduced graphene oxide-supported Ag-loaded Fe- doped TiO ₂ for the degradation mechanism of methylene blue and its electrochemical properties	RSC ADVANC ES		2018
2	Materials Science; Metallurg y & Metallurg ical Engineeri ng	Chen, CL; Ma, SH	陳俊良*	Study on combination of in- situ dispersion and secondary ball milling for W-Ni-Co tungsten heavy alloy	INTERNA TIONAL JOURNAL OF REFRACT ORY METALS & HARD MATERIA LS	FEB	2018
3	Chemistry	Kuok, FH; Chien, HH; Lee, CC; Hao, YC; Yu, IS; Hsu, CC; Cheng, IC; Chen,	余英松	Atmospheric-pressure- plasma-jet processed carbon nanotube (CNT)- reduced graphene oxide (rGO) nanocomposites for gel- electrolyte supercapacitors	RSC ADVANC ES		2018
4	Engineeri ng; Physics	Lin, YS; Lu, CC	林育賢*	Improved AlGaIn/GaN Metal- Oxide-Semiconductor High- Electron Mobility Transistors With TiO ₂ Gate Dielectric Annealed in Nitrogen	IEEE TRANSAC TIONS ON ELECTRO N DEVICES	FEB	2018
5	Electroch emistry	Chien, HH; Liao, CY; Hao, YC; Hsu, CC; Cheng, IC; Yu, IS; Chen,	余英松	Improved performance of polyaniline/reduced- graphene- oxide supercapacitor using atmospheric-pressure-plasma- jet surface treatment of carbon cloth	ELECTRO CHIMICA ACTA	10-Jan	2018

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6	Engineering; Materials Science; Physics	Gierlotka, W	紀渥德	Thermodynamic Description of the Quaternary Ag-Bi-Cu- Sn System	JOURNAL OF ELECTRONIC MATERIALS	JAN	2018
7	Chemistry ; Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Ma, SH	陳俊良*	Study on characteristics and sintering behavior of W-Ni- Co tungsten heavy alloy by a secondary ball milling method	JOURNAL OF ALLOYS AND COMPOUNDS	15-Jan	2018
8	Materials Science; Metallurgy & Metallurgical Engineering	Wang, CY; Wang, JY; Saufan, A; Fu, YP	王建義	Pseudo-Superplastic Characteristics of ZK60 Alloy with Fibrous Microstructure	MATERIALS TRANSACTIONS		2018
9	Automation & Control Systems; Engineering	Liu, CW; Chu, CL; Wang, JY; Fuh, YK; Lee, S	王建義	Gas forming of shallow rounded rectangular pan using aluminum alloy sheets	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	JUL	2018
10	Materials Science; Metallurgy & Metallurgical Engineering	Su, YZ; Yu, IS	余英松*	Crystal Structures of GaN Nanodots by Nitrogen Plasma Treatment on Ga Metal Droplets	METALS	JUN	2018

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11	Engineering; Materials Science; Physics	Liao, CY; Chien, HH; Hao, YC; Chen, CW; Yu, IS; Chen,	余英松	Low-Temperature-Annealed Reduced Graphene Oxide-Polyaniline Nanocomposites for Supercapacitor Applications	JOURNAL OF ELECTRONIC MATERIALS	JUL	2018
NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
12	Chemistry ; Materials Science; Physics	Chen, TC; Yang, TC; Cheng, HE; Yu,	余英松	Single material TiO2 thin film by atomic layer deposition for antireflection and surface passivation applications on p-type c-Si	APPLIED SURFACE SCIENCE	1-Sep	2018
13	Science & Technology - Other Topics; Materials Science; Physics	Hsu, WH; Masim, FCP; Balcytis, A; Huang, HH; Yonezawa, T; Kuchmizhak, AA; Juodkazytis, S; Hatanaka,	Hatanaka, K	Enhancement of X-ray emission from nanocolloidal gold suspensions under double-pulse excitation	BEILSTEIN JOURNAL OF NANOTECHNOLOGY	1-Oct	2018
14	Materials Science; Physics	Chien, HH; Cheng, YC; Hao, YC; Hsu, CC; Cheng, IC; Yu, IS; Chen,	余英松	Nitrogen DC-pulse atmospheric-pressure-plasma jet (APPJ)-processed reduced graphene oxide (rGO)-carbon black (CB) nanocomposite electrodes for supercapacitor applications	DIAMOND AND RELATED MATERIALS	SEP	2018
15	Materials Science; Physics	Chen, CL; Sutrisna	陳俊良*	Study of W-Co ODS coating on stainless steels by mechanical alloying	SURFACE & COATING TECHNOLOGY	25-Sep	2018
16	Materials Science; Physics	Chen, CL; Suprianto	陳俊良*	Investigation of W-Ti ODS coating on SUS304 steel fabricated by mechanical alloying technique	SURFACE & COATING TECHNOLOGY	25-Sep	2018

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17	Science & Technology - Other Topics; Materials Science	Huang, HH; Nagashima, T; Hsu, WH; Juodkazis, S; Hatanaka, K	Hatanaka, Koji*	Dual THz Wave and X-ray Generation from a Water Film under Femtosecond Laser Excitation	NANOMATERIALS	JUL	2018
18	Science & Technology - Other Topics; Materials Science	Chen, KC; Jian, CY; Chen, YJ; Lee, SC; Chang, SW; Lin,	陳怡嘉	Current Enhancement and Bipolar Current Modulation of Top-Gate Transistors Based on Monolayer MoS2 on Three-Layer WxMo1-xS2	ACS APPLIED MATERIALS & INTERFACES	25-Jul	2018
19	Geochemistry & Geophysics; Mineralogy	Hwang, SL; Shen, P; Yui, TF; Chu, HT; Logvinov, A; AM; Sobolev, NV	黃士龍*	Low-energy phase boundary pairs and preferred crystallographic orientations of olivines in nanometer-size ultrapotassic fluid inclusions of Aykhal diamond	LITHOS	1-Dec	2018
20	Materials Science; Physics	Wang, CM; Su, YM; Shih, TA; Chen, GY; Chen, YZ; Lu, CW; Yu, IS; Yang,	余英松	Achieving highly saturated single-color and high color-rendering-index white light-emitting electrochemical cells by CsPbX3 perovskite color conversion layers	JOURNAL OF MATERIALS CHEMISTRY C	21-Dec	2018
21	Physics	Tien, LC; Yang, FM; Huang, SC; Fan, ZX;	田禮嘉*	Single Zn2GeO4 nanowire high-performance broadband photodetector	JOURNAL OF APPLIED PHYSICS	7-Nov	2018
22	Chemistry	Cheng, HE; Hung, CH; Yu, IS; Yang,	余英松	Strongly Enhancing Photocatalytic Activity of TiO2 Thin Films by Multi-Heterojunction Technique	CATALYSTS	OCT	2018

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
23	Chemistry ; Materials Science;	Pylnev, M; Chang, WH;	翁明壽*	Shell of black titania prepared by sputtering TiO2 target in H-2 + Ar plasma	APPLIED SURFACE SCIENCE	31-Dec	2018

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1	Energy & Fuels; Materials Science, Multidisciplinary; Physics, Applied		余英松	First down converter multilayers integration in an industrial Si solar cell process	Progress in Photovoltaics: Research & Applications	4-Sep	2018
2	Thermodynamics; Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Gierlotka, W*	紀渥德*	A new thermodynamic description of the binary Bi-Te system using the associate solution and the Wagner-Schottky models	CALPHAD: COMPUTER COUPLING OF PHASE DIAGRAMS THERMOCHEMISTRY	DEC	2018