

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Science & Technology - Other Topics; Materials Science; Metallurgy & Metallurgical Engineering	Zhou, MR; Morisada, Y; Fujii, H; Wang, JY	王建義	Microstructure and mechanical properties of friction stir welded duplex Mg-Li alloy LZ91	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	31-Jan	2020
2	Chemistry; Science & Technology - Other Topics; Materials Science	Januar, M; Liu, B; Cheng, JC; Hatanaka, K; Misawa, H; Hsiao, HH; Liu, KC	Hatanaka, Koji	Role of Depolarization Factors in the Evolution of a Dipolar Plasmonic Spectral Line in the Far- and Near-Field Regimes	JOURNAL OF PHYSICAL CHEMISTRY C	6-Feb	2020
3	Chemistry	Verma, A; Kumar, S; Chang, WK; Fu, YP	傅彥培*.張文固	Bi-functional Ag-CuxO/g-C3N4 hybrid catalysts for the reduction of 4-nitrophenol and the electrochemical detection of dopamine	DALTON TRANSACTIONS	21-Jan	2020
4	Materials Science	Gierlotka, W	紀渥德*	On the binary Sb-Sn system: ab initio calculation and thermodynamic remodeling	JOURNAL OF MATERIALS SCIENCE	JAN	2020
5	Chemistry; Science & Technology - Other Topics; Materials Science; Physics	Lin, HY; Lin, YC	林欣瑜*	Photocatalytic Water Splitting on Rh/K4Nb6O17 Nanosheets	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	FEB	2020
6	Polymer Science	Hao, YC; Nurzal, N; Chien, HH; Liao, CY; Kuok, FH; Yang, CC; Chen, JZ; Yu, IS	余英松*.Yang, Cheng-Chen	Application of Atmospheric-Pressure-Plasma-Jet Modified Flexible Graphite Sheets in Reduced-Graphene-Oxide/Polyaniline Supercapacitors	POLYMERS	JUN	2020
7	Materials Science; Physics	Kumar, SA; Kuppusami, P; Fu, YP	傅彥培	Structural, morphological and electrical properties of Sm-Gd Co-doped ceria thin films for micro-solid oxide fuel cells	MATERIALS LETTERS	15-Sep	2020

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8	Chemistry	Kumar, S; Tsai, CH; Fu, YP	傅彥培*.蔡志宏	A multifunctional Ni-doped iron pyrite/reduced graphene oxide composite as an efficient counter electrode for DSSCs and as a non-enzymatic hydrogen peroxide electrochemical sensor	DALTON TRANSACTIONS	7-Jul	2020
9	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Suprianto	陳俊良*	The role of Co/Fe ratio and in -situ Y dispersoids on microstructure and mechanical properties of CoFeNiMnCr high entropy alloys	JOURNAL OF ALLOYS AND COMPOUNDS	15-Aug	2020
10	Chemistry	Tsai, HS; Huang, YH; Tsai, PC; Chen, YJ; Ahn, HY; Lin, SY; Lu, YJ	陳怡嘉	()Ultrafast Exciton Dynamics in Scalable Monolayer MoS2 Synthesized by Metal Sulfurization	ACS OMEGA	19-May	2020
11	Materials Science	Chang, CC; Liu, CH; Wu, CC; Bag, P; Kuo, YK	郭永綱*.吳慶成	Thermoelectric properties of (HgTe)(0.55)(PbTe)(0.45) eutectic composite with In doping	MATERIALS RESEARCH BULLETIN	SEP	2020
12	Thermodynamics; Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Gierlotka, W; Lee, J; Lim, V; Gasior, W; Debski, A	紀渥德*	On the Bi-Ni system. Ab initio calculations and thermodynamic remodeling	CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY	JUN	2020
13	Thermodynamics; Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Kulawik, S; Gierlotka, W; Debski, A; Gasior, W; Zajackowski, A	紀渥德*	Thermodynamic assessment of the Ga-Sn-Zn system	CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY	JUN	2020
14	Chemistry; Science & Technology - Other Topics	Jaihindh, DP; Manikandan, A; Chueh, YL; Fu, YP	傅彥培*	Deep Eutectic Solvent-Assisted Synthesis of Ternary Heterojunctions for the Oxygen Evolution Reaction and Photocatalysis	CHEMSUSCHEM	22-May	2020

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15	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Chen, CL; Sutrisna	陳俊良*	Influence of alloying elements, in-situ dispersoids and fabrication on microstructure and properties of W-(Ta,V,Ti) ODS alloys	JOURNAL OF ALLOYS AND COMPOUNDS	5-Sep	2020
16	Chemistry; Engineering; Materials Science; Physics	Huang, HH; Nagashima, T; Yonezawa, T; Matsuo, Y; Ng, SH; Juodkazis, S; Hatanaka, K	Hatanaka, Koji	Giant Enhancement of THz Wave Emission under Double-Pulse Excitation of Thin Water Flow	APPLIED SCIENCES-BASEL	MAR	2020
17	Chemistry	Huang, HH; Chau, YTR; Yonezawa, T; Nguyen, MT; Zhu, SL; Deng, D; Nagashima, T; Hatanaka, K	Hatanaka, Koji	THz Wave Emission from ZnTe Nano-colloidal Aqueous Dispersion Irradiated by Femtosecond Laser	CHEMISTRY LETTERS	JUN	2020
18	Chemistry	Chen, SH; Su, JH; Lin, HY	林欣瑜*.陳素華	New Modified Sol-Gel Method for the Preparation KNb3O8 as a Hydrogen Evolution Photocatalyst in Z-Scheme Overall Water Splitting	TOPICS IN CATALYSIS		2020
19	Materials Science; Physics	Patil, RA; Tu, HW; Jen, MH; Lin, JJ; Wu, CC; Yang, CC; Pham, DV; Tsai, CH; Lai, CC; Liou, Y; Jian, WB; Ma, YR	馬遠榮*.吳慶成. 蔡志宏	Intriguing field-effect-transistor performance of two-dimensional layered and crystalline CrI3	MATERIALS TODAY PHYSICS	MAR	2020
20	Chemistry	Chen, SH; Jiang, YS; Lin, HY	林欣瑜*.陳素華	Easy Synthesis of BiVO4 for Photocatalytic Overall Water Splitting	ACS OMEGA	21-Apr	2020
21	Materials Science; Physics	Tiwari, A; Wong, MS	翁明壽*	Role of oxygen partial pressure on structure and properties of sputtered transparent conducting films of La-doped BaSnO3	THIN SOLID FILMS	1-Jun	2020
22	Materials Science	Saufan, A; Yu, IS; Wang, JY	余英松.王建義	Enhancement of mechanical properties for Mg-9Li-1Zn alloy by accumulative roll bonding	MATERIALS RESEARCH EXPRESS	APR	2020

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23	Materials Science; Physics	Chen, CL; Suprianto	陳俊良*	Microstructure and mechanical properties of AlCuNiFeCr high entropy alloy coatings by mechanical alloying	SURFACE & COATINGS TECHNOLOGY	25-Mar	2020
24	Science & Technology - Other Topics; Materials Science; Metallurgy & Metallurgical Engineering	Zhou, MR; Morisada, Y; Fujii, H; Wang, JY	王建義	Pronounced low-temperature superplasticity of friction stir processed Mg-9Li-1Zn alloy	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	7-Apr	2020
25	Chemistry	Lin, YR; Dizon, GVC; Yamada, K; Liu, CY; Venault, A; Lin, HY; Yoshida, M; Hu, CC	林欣瑜	Sulfur-doped g-C3N4 nanosheets for photocatalysis: Z-scheme water splitting and decreased biofouling	JOURNAL OF COLLOID AND INTERFACE SCIENCE	1-May	2020
26	Thermodynamics; Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Chen, SW; Hutabalian, Y; Gierlotka, W; Wang, CH; Lu, ST	紀渥德	Phase diagram of Bi-In-Se ternary system	CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY	MAR	2020
27	Thermodynamics; Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Terlicka, S; Debski, A; Gierlotka, W; Wierzicka-Miernik, A; Budziak, A; Sypien, A; Zabrocki, M; Gasior, W	紀渥德	Structural and physicochemical properties of silver-rich Ag-Al alloys	CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY	MAR	2020
28	Chemistry	Li, LC; Tseng, YH; Lin, HY	林欣瑜	Efficient Photodecomposition of NO _x on Carbon Modified Ag/TiO ₂ Nanocomposites	TOPICS IN CATALYSIS	OCT	2020

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29	Chemistry; Physics	Kulawik, S; Zajackowski, A; Debski, A; Gasior, W; Gierlotka, W	紀渥德	Thermodynamics of liquid Ga-Sn-Zn alloys determined by vapor pressure method	JOURNAL OF MOLECULAR LIQUIDS	15-Feb	2020
30	Energy & Fuels	Kumar, S; Manikandan, VS; Panda, SK; Senanayak, SP; Palai, AK	Kumar, Sanath	Probing synergistic outcome of graphene derivatives in solid-state polymer electrolyte and Pt-free counter electrode on photovoltaic performances	SOLAR ENERGY	15-Sep	2020
31	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Gierlotka, W; Debski, A; Terlicka, S; Gasior, W; Peska, M; Polanski, M	紀渥德*	Insight into Phase Stability in the Mg-Pd System: The Ab Initio Calculations	JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION		
32	Chemistry; Physics	Gierlotka, W; Debski, A; Terlicka, S; Saternus, M; Fornalczyk, A; Gasior, W	紀渥德*	On the Pb-Pd system. Calorimetric studies and ab-initio aided thermodynamic calculations	JOURNAL OF MOLECULAR LIQUIDS	10-Oct	2020
33	Science & Technology - Other Topics; Materials Science	Song, JM; Huang, BC; Tarn, D; Hung, CP; Yasuda, K	Huang, Bo-Chang	Relationship between Nanomechanical Responses of Interfacial Intermetallic Compound Layers and Impact Reliability of Solder Joints	NANOMATERIALS	AUG	2020
34	Materials Science; Physics	Tiwari, A; Wong, MS	翁明壽*	Substrate temperature effect on structure and properties of sputtered polycrystalline transparent conducting oxide films of La-doped BaSnO ₃	THIN SOLID FILMS	1-Dec	2020
35	Materials Science	Wang, CS; Lin, SC; Lin, TY; Wang, JY; Muhfidin, R; Yu, IS	余英松*	Effects of Helmholtz coil magnetic fields on microstructure and mechanical properties for sand-cast A201 Al-Cu alloy	MATERIALS RESEARCH EXPRESS	DEC	2020
36	Chemistry	Wong, MS; Sun, MT; Sun, DS; Chang, HH	翁明壽	Visible-Light-Responsive Antibacterial Property of Boron-Doped Titania Films	CATALYSTS	NOV	2020

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37	Chemistry; Electrochemistry; Energy & Fuels	Kumar, SA; Kuppusami, P; Amirthapandian, S; Fu, YP	傅彥培*	Effect of Sm co-doping on structural, mechanical and electrical properties of Gd doped ceria solid electrolytes for intermediate temperature solid oxide fuel cells	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	4-Nov	2020
38	Thermodynamics; Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Kulawik, S; Zajackowski, A; Debski, A; Gasior, W; Gierlotka, W	紀渥德	Thermodynamics of liquid In-Ga-Zn alloys determined by vapor pressure method	CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY	DEC	2020
39	Chemistry; Physics	Debski, A; Terlicka, S; Gasior, W; Gierlotka, W; Peska, M; Polanski, M	紀渥德	Thermodynamic properties of Mg-Pd liquid alloys	JOURNAL OF MOLECULAR LIQUIDS	1-Nov	2020
40	Chemistry; Physics	Terlicka, S; Debski, A; Gasior, W; Gierlotka, W; Peska, M; Polanski, M	紀渥德	Thermodynamic properties of liquid Mg-Pt alloys determined by the calorimetric method	JOURNAL OF MOLECULAR LIQUIDS	1-Nov	2020
41	Chemistry; Engineering; Materials Science; Physics	Chen, YJ; Lin, TS	陳怡嘉*	Enhancement of Visible-Light Photocatalytic Efficiency of TiO(2)Nanopowder by Anatase/Rutile Dual Phase Formation	APPLIED SCIENCES-BASEL	SEP	2020
42	Materials Science, Composites	Lee, CY; Yeh, FH; Yu, IS	余英松*	A Commercial Carbonaceous Anode with a-Si Layers by Plasma Enhanced Chemical Vapor Deposition for Lithium Ion Batteries	JOURNAL OF COMPOSITE	JUN	2020

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1	MATERIALS SCIENCE, COATINGS & FILMS -- SCIE	Chen, TC; Yu, IS*, Yang, ZP*	余英松*	Hydrogenation behaviors in passivated emitter and rear silicon solar cells with variously hydrogenated SiNx films	APPLIED SURFACE SCIENCE	AUG	2020