

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Chemistry	Gandhi, AC; Liao, CH; Yeh, WL; Huang, YL	黃玉林*	Non-monotonous size-dependent photoluminescence and excitonic relaxations in nanostructured ZnO thin films	RSC ADVANCES		2019
2	Physics	Dwivedi, GD; Sun, SJ; Kuo, YK; Chou, H	郭永綱	Role of electron-magnon interaction in non-Fermi liquid behavior of SrRuO <sub>3</sub>	JOURNAL OF PHYSICS-CONDENSED MATTER	27-Mar	2019
3	Physics	Wang, YJ; Zhu, YF; Zhu, CP; Wu, F; Yang, HJ; Yan, YJ; Hu, CK	胡進錕	Indicator of serious flight delays with the approach of time-delay stability	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	15-Mar	2019
4	Chemistry	Gandhi, AC; Wu, SY	吳勝允*	Phase Diagram and Superconductivity: New Insight into the Fundamentals of InSn Bimetallic Alloys	INORGANIC CHEMISTRY	7-Jan	2019
5	Materials Science; Physics	Geramilla, M; Balakrishnan, R; Natarajan, ST; Rao, MSR	Balakrishnan, Ramachandran*	Nanoscale studies of magnetoelectric coupling in multiferroic BTO-CFO composite	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	JAN	2019
6	Materials Science; Physics	Majorosova, J; Tomasovicova, N; Gdovinova, V; Yang, CW; Batkova, M; Batko, I; Demcakova, M; Csach, K; Kubovcikova, M; Hayryan, S; Hwang, IS; Hu, CK; Kopcansky, P	胡進錕	Self-assembly of hen egg white lysozyme fibrils doped with magnetic particles	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	1-Feb	2019
7	Chemistry; Science & Technology - Other Topics; Materials Science	Hsing, CR; Chang, CM; Cheng, C; Wei, CM	張俊明*	Quantum Monte Carlo Studies of CO Adsorption on Transition Metal Surfaces	JOURNAL OF PHYSICAL CHEMISTRY C	27-Jun	2019

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8	Physics	Lee, DS; Yeh, CP	李大興*.葉振斌	Time evolution of entanglement entropy of moving mirrors influenced by strongly coupled quantum critical fields	JOURNAL OF HIGH ENERGY PHYSICS	14-Jun	2019
9	Materials Science	Phan, GT; Pham, DV; Patil, RA; Lai, CC; Yeh, WC; Liou, Y; Ma, YR	賴建智.葉旺奇.馬遠榮*	Impact of valence-band-edge lifting on the doping-free bandgap tunability of 1D Magneli-phase W18O49 nanorods	APPLIED MATERIALS TODAY	JUN	2019
10	Chemistry	Kitchamsetti, N; Kalubarme, RS; Chikate, PR; Park, CJ; Ma, YR; Shirage, PM; Devan, RS	馬遠榮	An Investigation on the Effect of Li-Ion Cycling on the Vertically Aligned Brookite TiO2 Nanostructure	CHEMISTRYSELECT	7-Jun	2019
11	Materials Science; Physics	Kuo, CN; Shen, D; Li, BS; Quyen, NN; Tzeng, WY; Luo, CW; Wang, LM; Kuo, YK; Lue, CS	郭永綱	Characterization of the charge density wave transition and observation of the amplitude mode in LaAuSb2	PHYSICAL REVIEW B	10-Jun	2019
12	Science & Technology - Other Topics; Materials Science	Nimbalkar, DB; Stas, M; Hou, SS; Ke, SC; Wu, JJ	柯學初*	Microscopic Revelation of Charge-Trapping Sites in Polymeric Carbon Nitrides for Enhanced Photocatalytic Activity by Correlating with Chemical and Electronic Structures	ACS APPLIED MATERIALS & INTERFACES	29-May	2019
13	Physics	Nath, C; Chueh, CY; Kuo, YK; Singh, JP	郭永綱*	Thermoelectric properties of p-type SrTiO3/graphene layers nanohybrids	JOURNAL OF APPLIED PHYSICS	14-May	2019
14	Astronomy & Astrophysics; Physics	Yamauchi, D; Aoki, H; Iso, S; Lee, DS; Sekino, Y; Yeh, CP	葉振斌.李大興	Observational signatures of dark energy produced in an ancestor vacuum: forecast for galaxy surveys	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	MAY	2019
15	Science & Technology - Other Topics	Perevedentseva, E; Krivokharchenko, A; Karmenyan, AV; Chang, HH; Cheng, CL	鄭嘉良*	Raman spectroscopy on live mouse early embryo while it continues to develop into blastocyst in vitro	SCIENTIFIC REPORTS	29-Apr	2019

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16	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Bag, P; Chang, PC; Kuo, YK; Wu, SK; Lin, C; Li, BY	郭永綱*	Coexistence of martensite and strain glass phases in homogenized Ni-rich TiNi shape memory alloys	INTERMETALLICS	JUN	2019
17	Astronomy & Astrophysics; Physics	Syu, WC; Lee, DS; Lin, CY	李大興*.林子強*	Analogue stochastic gravity phenomena in two-component Bose-Einstein condensates: Sound cone fluctuations	PHYSICAL REVIEW D	7-May	2019
18	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Barot, N; Mehta, PK; Rao, A; Thomas, R; Kuo, YK	郭永綱	Effects of iso- and polyvalent substitutions on the short/long-range crystalline order in CuCrO <sub>2</sub> compounds	JOURNAL OF ALLOYS AND COMPOUNDS	30-Jun	2019
19	Physics	Zheng, X; Chi, HC; Lin, ST; Jiang, G; Qiao, C; Huang, KN	紀信昌	Relativistic photoionization of H-isoelectronic series including plasma shielding effects	INDIAN JOURNAL OF PHYSICS	FEB	2019
20	Science & Technology - Other Topics	Li, WH; Lee, CH; Ma, MH; Huang, PJ; Wu, SY	吳勝允	Fault Dynamics of the 1999 Chi-Chi earthquake: clues from nanometric geochemical analysis of fault gouges	SCIENTIFIC REPORTS	5-Apr	2019
21	Physics	Singh, MK; Singh, L; Agartioglu, M; Sharma, V; Singh, V; Wong, HTK	Agartioglu, Mehmet	Constraints on bosonic dark matter with low threshold germanium detector at Kuo-Sheng reactor neutrino laboratory	CHINESE JOURNAL OF PHYSICS	APR	2019
22	Science & Technology - Other Topics; Materials Science; Physics	Gandhi, AC; Gaikwad, SS; Peng, JC; Wang, CW; Chan, TS; Wu, SY	吳勝允*	Strong electron-phonon coupling in superconducting bismuth nanoparticles	APL MATERIALS	MAR	2019

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23	Optics; Physics	Qiao, CK; Chi, HC; Hsu, MC; Zheng, XG; Jiang, G; Lin, ST; Tang, CJ; Huang, KN	紀信昌	Photoionization of Xe and Rn from the relativistic random-phase theory	JOURNAL OF PHYSICS B- ATOMIC MOLECULAR AND OPTICAL PHYSICS	14-Apr	2019
24	Astronomy & Astrophysics; Physics	Singh, L; Chen, JW; Chi, HC; Liu, CP; Pandey, MK; Wong, HT; Wu, CP; Agartioglu, M; Deniz, M; Li, HB; Lin, ST; Sharma, V; Singh, MK; Singh, V; Yue, Q	紀信昌,劉承邦	Constraints on millicharged particles with low-threshold germanium detectors at Kuo-Sheng Reactor Neutrino Laboratory	PHYSICAL REVIEW D	19-Feb	2019
25	Astronomy & Astrophysics; Physics	Hsieh, CC; Singh, L; Wu, CP; Chen, JW; Chi, HC; Liu, CP; Pandey, MK; Wong, HT	紀信昌,劉承邦*	Discovery potential of multiton xenon detectors in neutrino electromagnetic properties	PHYSICAL REVIEW D	3-Oct	2019
26	Materials Science	Lodhi, PD; Kaurav, N; Choudhary, KK; Kuo, YK	郭永綱	Temperature-dependent transport properties of a FeTe compound	BULLETIN OF MATERIALS SCIENCE	DEC	2019
27	Physics	Allahverdyan, AE; Babajanyan, SG; Hu, CK	胡進錕	Polymorphism in rapidly changing cyclic environment	PHYSICAL REVIEW E	3-Sep	2019
28	Electrochemistry	Khalate, SA; Kadam, SA; Ma, YR; Pujari, SS; Marje, SJ; Katkar, PK; Lokhande, AC; Patil, UM	馬遠榮	Hydrothermally synthesized Iron Phosphate Hydroxide thin film electrocatalyst for electrochemical water splitting	ELECTROCHIMICA ACTA	1-Oct	2019
29	Physics	Lodhi, PD; Kaurav, N; Choudhary, KK; Kuo, YK	郭永綱	Measurement and Analysis of Normal-State Transport Properties of FeSe Superconductor	JOURNAL OF LOW TEMPERATURE PHYSICS	SEP	2019

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30	Chemistry; Science & Technology - Other Topics; Materials Science; Physics	Chou, HS; Yang, KD; Xiao, SH; Patil, RA; Lai, CC; Yeh, WCV; Ho, CH; Yung, LO; Ma, YR	賴建智、葉旺 奇、馬遠榮*	Temperature-dependent ultraviolet photoluminescence in hierarchical Zn, ZnO and ZnO/Zn nanostructures	NANOSCALE	28-Jul	2019
31	Materials Science	Perevedentseva, E; Ali, N; Karmenyan, A; Skovorodkin, I; Prunskaitė- Hyyrylainen, R; Vainio, S; Cheng, CL; Kinnunen, M	鄭嘉良*	Optical Studies of Nanodiamond-Tissue Interaction: Skin Penetration and Localization	MATERIALS	2-Nov	2019
32	Physics	Huang, SF; Zhang, JQ; Hu, CK	胡進錕	Effects of external stimulations on transition behaviors in neural network with time-delay	PHYSICA A- STATISTICAL MECHANICS AND ITS APPLICATIONS	15-Dec	2019
33	Chemistry	Ashek-I-Ahmed; Gines, L; Mandal, S; Song, CY; Williams, OA; Sarmiento, MN; Cheng, CL	鄭嘉良*	Facile Amine Termination of Nanodiamond Particles and Their Surface Reaction Dynamics	ACS OMEGA	15-Oct	2019
34	Biotechnology & Applied Microbiology	Chang, C; Lin, Y; Lin, Y; Lin, Z; Cheng, C	Chang,C;Lin,Y;Lin ,Z;Cheng,C	Nanodiamond as a fluorescent probe for image-guided application and toxicity evaluations in 2D-and 3D-cellular models	JOURNAL OF BIOTECHNOLOGY	15-Nov	2019
35	Biotechnology & Applied Microbiology	Lin, Y; Lin, Y; Lin, Z; Chang, C; Cheng, C	Lin,Y;Lin, Z;Chang,C;Cheng, C	Drug loading and the efficiency of nanodiamond-anticancer drug complexes in cancer treatment	JOURNAL OF BIOTECHNOLOGY	15-Nov	2019

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36	Engineering; Mathematics; Mechanics; Physics	Hwang, YH; Yu, JL; Hu, CK	胡進錕	A Method to Solve the Reaction-Diffusion-Chemotaxis System	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	OCT	2019
37	Materials Science	Thomas, R; Rao, A; Bhardwaj, R; Wang, LY; Kuo, YK	郭永綱*	Reduction in thermal conductivity and electrical resistivity in Cu <sub>2</sub> SnSe <sub>3</sub> /Cu <sub>2</sub> Se composite thermoelectric system	MATERIALS RESEARCH BULLETIN	DEC	2019
38	Chemistry; Crystallography	Kitchamsetti, N; Chikate, PR; Patil, RA; Ma, YR; Shirage, PM; Devan, RS	馬遠榮	Perforated mesoporous NiO nanostructures for an enhanced pseudocapacitive performance with ultra-high rate capability and high energy density	CRYSTENGCOMM	14-Dec	2019
39	Chemistry; Science & Technology - Other Topics; Materials Science; Physics	Pham, DV; Patil, RA; Lin, JH; Lai, CC; Liou, Y; Ma, YR	馬遠榮*	Doping-free bandgap tuning in one-dimensional Magneli-phase nanorods of Mo <sub>4</sub> O <sub>11</sub> (vol 8, pg 5559, 2016)	NANOSCALE	28-Dec	2019
40	Science & Technology - Other Topics; Materials Science	Gandhi, AC; Li, TY; Peng, JC; Wang, CW; Chan, TS; Lin, JG; Wu, SY	吳勝允*	Concomitant Magnetic Memory Effect in CrO <sub>2</sub> -Cr <sub>2</sub> O <sub>3</sub> Core-Shell Nanorods: Implications for Thermal Memory Devices	ACS APPLIED NANO MATERIALS	DEC	2019
41	Materials Science	Tarachand;Mukherjee, B; Saxena, M;Kuo, YK;Okram, GS;Dam, S;Hussain, S; Lakhani, A;Deshpande, U; Shripathi, T	郭永綱	Ag-NanoInclusion-Induced Enhanced Thermoelectric Properties of Ag <sub>2</sub> S	ACS APPLIED ENERGY MATERIALS	SEP	2019

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1	Materials Science	Pravakar, O; Siddaiah, T; Ramacharyulu, PVRK; Gopal, NO; Ramu, C; Nagabhushana, H	Ramacharyulu, P. V. R. K.	Spectroscopic, thermal, structural and electrical studies on VO <sub>2</sub> <sup>+</sup> ions doped PVA/MAA: EA polymer blend films	JOURNAL OF SCIENCE-ADVANCED MATERIALS AND DEVICES	JUN	2019
2	Science & Technology - Other Topics; Materials Science	Gandhi, AC; Pradeep, R; Yeh, YC; Li, TY ; Wang, CY ; Hayakawa, Y; Wu, SY	吳勝允*	Understanding the Magnetic Memory Effect in Fe-Doped NiO Nanoparticles for the Development of Spintronic Devices	ACS APPLIED NANO MATERIALS	JAN	2019