

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Astronomy & Astrophysics; Physics	Aoki, H; Iso, S; Lee, DS; Sekino, Y; Yeh, YC	李大興.葉振斌	Vacuum fluctuations in an ancestor vacuum: A possible dark energy candidate	PHYSICAL REVIEW D	16-Feb	2018
2	Chemistry	Dubey, P; Kaurav, N; Devan, RS; Okram, GS; Kuo, YK	郭永綱	The effect of stoichiometry on the structural, thermal and electronic properties of thermally decomposed nickel oxide	RSC ADVANCES		2018
3	Engineering	Hsiao, HT; Yao, IC; Ni, IC; Tzeng, SD; Lin, WF; Lin, BY; Lin, CH	林楚軒*.曾賢德	Gold-Nanoparticle-Coated Ge MIS Photodiodes	IEEE JOURNAL OF THE ELECTRON DEVICES SOCIETY	DEC	2018
4	Physics	Huang, GR; Saakian, DB; Hu, CK	胡進錕	Accurate analytic solution of chemical master equations for gene regulation networks in a single cell	PHYSICAL REVIEW E	25-Jan	2018
5	Materials Science; Physics	Bhat, TS; Shinde, AV; Devan, RS; Teli, AM; Ma, YR; Kim, JH; Patil, PS	馬遠榮	Structural and electrochemical analysis of chemically synthesized microcubic architected lead selenide thin films	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	JAN	2018

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6	Science & Technology - Other Topics	Gawali, SR; Gandhi, AC; Gaikwad, SS; Pant, J; Chan, TS; Cheng, CL; Ma, YR; Wu, SY	鄭嘉良.馬遠榮.吳勝允*	Role of cobalt cations in short range antiferromagnetic Co ₃ O ₄ nanoparticles: a thermal treatment approach to affecting phonon and magnetic properties	SCIENTIFIC REPORTS	10-Jan	2018
7	Materials Science	Balakrishnan, R; Dixit, A; Naik, R; Rao, MSR	Balakrishnan, Ramachandran	Enhancement in electrical and magnetodielectric properties of Ca- and Ba-doped BiFeO ₃ polycrystalline ceramics	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	FEB	2018
8	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Ramachandran, B; Lin, YH; Kuo, YK; Kuo, CN; Gippius, AA; Lue, CS	郭永綱*	Thermoelectric properties of Heusler-type Ru ₂ VAl _{1-x} Ga _x alloys	INTERMETALLICS	JAN	2018
9	Chemistry; Science & Technology - Other Topics; Materials Science;	Pham, DV; Patil, RA; Yang, CC; Yeh, WC; Liou, Y; Ma, YR	馬遠榮*.葉旺奇	Impact of the crystal phase and 3d-valence conversion on the capacitive performance of one-dimensional MoO ₂ , MoO ₃ , and Magneli-phase Mo ₄ O ₁₁ nanorod-based pseudocapacitors	NANO ENERGY	MAY	2018
10	Physics	Dai, J; He, DR; Xu, XL; Hu, CK	胡進鋕	A riddled basin escaping crisis and the universality in an integrate-and-fire circuit	PHYSICAL STATISTICAL MECHANICS AND ITS APPLICATIONS	15-Jun	2018

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11	Physics	Huang, SF; Zhang, JQ; Wang, MS; Hu, CK	胡進錕	Firing patterns transition and desynchronization induced by time delay in neural networks	PHYSICAL STATISTICAL MECHANICS AND ITS APPLICATIONS	1-Jun	2018
12	Chemistry ; Physics	Tarachand; Hussain, S; Lalla, NP; Kuo, YK; Lakhani, A; Sathe, VG; Deshpande, U; Okram, Rito, CN;	郭永綱	Thermoelectric properties of Ag-doped CuS nanocomposites synthesized by a facile polyol method	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	28-Feb	2018
13	Physics	Chen, WT; Tseng, CW; Hsu, CJ; Huang, RY; Chou, FC; Kuo, YK; Lue, Sam, P;	郭永綱	Evidence for a second-order phase transition around 350 K in Ce3Rh4Sn13	PHYSICAL REVIEW B	6-Mar	2018
14	Science & Technology - Other Topics; Materials Science	Singh, M; Thakur, J; Patil, R; Ma, YR; Tandon, RP; Singh, SP; Mahapatra, AK	馬遠榮	Probing the Mechanism for Bipolar Resistive Switching in Annealed Graphene Oxide Thin Films	ACS APPLIED MATERIALS & INTERFACES	21-Feb	2018

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15	Chemistry	Sahoo, SR; Ramacharyulu, PVRK; Ke, SC	柯學初*	Impact of Nonideal Nanoparticles on X-ray Photoelectron Spectroscopic Quantitation: An Investigation Using Simulation and Modeling of Gold Nanoparticles	ANALYTICAL CHEMISTRY	6-Feb	2018
16	Physics	Tseng, CW; Kuo, CN; Li, BS; Wang, LM; Gippius, AA; Kuo, YK; Lue, CS	郭永綱	Transport and NMR characteristics of the skutterudite-related compound $\text{Ca}_3\text{Rh}_4\text{Sn}_{13}$	SOLID STATE COMMUNICATIONS	FEB	2018
17	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Pawar, RP; Gaikwad, SS; Wu, SY; Puri, V; Nade, DP	吳勝允	Structural and magnetic properties of $(\text{Sr}_{0.6}\text{Ca}_{0.4}) (\text{Co}_{1-y}\text{Mn}_y) \text{O}_{3-x}$ ($0.2 \leq y \leq 1.0$) ceramic synthesized by chemical co precipitation	JOURNAL OF ALLOYS AND COMPOUNDS	15-Apr	2018
18	Materials Science; Physics	Lai, CC, Lo, CY; Huang, JZ; Chiang, CCF; Nguyen, DH; Chen, YP; Liao, CD	賴建智*	Architecting a nonlinear hybrid crystal-glass metamaterial fiber for all-optical photonic integration	JOURNAL OF MATERIALS CHEMISTRY C	21-Feb	2018
19	Physics	Gevorkian, SG; Allahverdyan, AE; Gevorgyan, DS; Ma, WJ; Hu, CK	胡進錕	Can morphological changes of erythrocytes be driven by hemoglobin?	PHYSICAL STATISTICAL MECHANICS AND ITS APPLICATIONS	15-Oct	2018

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20	Chemistry	Chikate, PR; Daware, KD; Gayhane, DS; Ma, YR; Choudhary, RJ; Patil, SI; More, MA; Phase, DM; Gosavi, SW; Shirage, PM; Deyan, PS	馬遠榮	Controlled Hetero-Architectures of Au-Nanoparticles-Decorated ZnO Nanowires for Enhanced Field Electron Emission Displays	CHEMISTRY SELECT	23-Jul	2018
21	Chemistry	Gupta, A; Jamatia, R; Patil, RA; Ma, YR; Pal, AK	馬遠榮	Copper Oxide/Reduced Graphene Oxide Nanocomposite-Catalyzed Synthesis of Flavanones and Flavanones with Triazole Hybrid Molecules in One Pot: A Green and Sustainable Approach	ACS OMEGA	JUL	2018
22	Engineering; Materials Science; Physics	Prasad, KS; Rao, A; Bhardwaj, R; Johri, KK; Chang, CC; Kuo, YK	郭永綱*	Spark plasma sintering technique: an alternative method to enhance ZT values of Sb doped Cu ₂ SnSe ₃	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	AUG	2018
23	Physics	Lee, DS; Yeh, CP	葉振斌*. 李大興	Environment-induced uncertainties on moving mirrors in quantum critical theories via holography	ANNALS OF PHYSICS	JUL	2018

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24	Chemistry	Chikate, PR; Bankar, PK; Choudhary, RJ; Ma, YR; Patil, SI; More, MA; Phase, DM; Shirage, PM;	馬遠榮	Spitzer shaped ZnO nanostructures for enhancement of field electron emission behaviors	RSC ADVANCES		2018
25	Science & Technology - Other Topics; Materials Science	Gandhi, AC; Li, TY; Chan, TS; Wu, SY	吳勝允*	Short-Range Correlated Magnetic Core-Shell CrO ₂ /Cr ₂ O ₃ Nanorods: Experimental Observations and Theoretical Considerations	NANOMATERIALS	MAY	2018
26	Chemistry	Kamachari, yulu, PVRK; Abbas, SJ; Sahoo, SR; Ke, SC	柯學初*	Mechanistic insights into 4-nitrophenol degradation and benzyl alcohol oxidation pathways over MgO/g-C ₃ N ₄ model catalyst systems	CATALYSIS SCIENCE & TECHNOLOGY	7-Jun	2018
27	Physics	Amritkar, RE; Ma, WJ; Hu, CK	胡進鋰	Dependence of extreme events on spatial location	PHYSICAL REVIEW E	4-Jun	2018
28	Chemistry ; Physics	Chen, JR; Ke, SC	柯學初*	Magnetic field effects on coenzyme B-12- and B-6-dependent lysine 5,6-aminomutase: switching of the J-resonance through a kinetically competent radical-pair intermediate	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	14-May	2018

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29	Optics	Lohar, GM; Jadhav, ST; Relekar, BP; Patil, RA; Ma, YR; Fulari, VJ	馬遠榮	Electrochemically synthesized 1D and 3D hybrid Fe ³⁺ doped ZnSe dandelions for photoelectrochemical cell application	OPTIK		2018
30	Biochemistry & Molecular Biology; Microbiology	Chang, KC; Chung, CY; Yeh, CH; Hsu, KH; Chin, YC; Huang, SS; Liu, BR; Chen, HA; Hu, A; Soo, PC; Peng, WD	彭文平*	Direct detection of carbapenemase-associated proteins of Acinetobacter baumannii using nanodiamonds coupled with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry	JOURNAL OF MICROBIOLOGICAL METHODS	APR	2018
31	Physics	Rivers, RJ; Steer, DA; Lin, CY; Lee, DS; Weir, DJ	林子強*. 李大興	When are two fermions a simple boson? New Gross-Pitaevskii actions for cold Fermi condensates	ANNALS OF PHYSICS	SEP	2018
32	Materials Science	Tsai, CH; Chen, YL; Hsu, HL; Ma, YR; Mou, S	蔡志宏*. 馬遠榮	Enhancing the efficiency of quasi-solid-state dye-sensitized solar cells by adding bis(trifluoromethane)sulfonylimide lithium salt and camphorsulfonic acid to gel-	MATERIALS RESEARCH BULLETIN	NOV	2018

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33	Chemistry ; Materials Science; Physics	Ansari, SM; Sinha, BB; Pai, KR; Bhat, SK; Ma, YR; Sen, D; Kolekar, YD; Ramana, GV	馬遠榮	Controlled surface/interface structure and spin enabled superior properties and biocompatibility of cobalt ferrite nanoparticles	APPLIED SURFACE SCIENCE	30-Nov	2018
34	Chemistry	Gandhi, AC; Wu, SY	吳勝允*	Tuning the Electron-Phonon and Superconducting Coupling in InPb Bimetallic Alloys	INORGANIC CHEMISTRY	6-Aug	2018
35	Physics	Lodhi, PD; Kaurav, N; Choudhary, KK; Kuo, YK	郭永綱	Seebeck Coefficient Measurement and Its Narrow Band Model Interpretation in FeTe _{0.5} Se _{0.5} Superconductor	JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM	SEP	2018
36	Science & Technology - Other Topics; Materials Science	Gandhi, AC; Yeoh, WS; Wu, MA; Liao, CH; Chiu, DY; Yeh, WL; Hsu, H	黃玉林*	New Insights into the Role of Weak Electron-Phonon Coupling in Nanostructured ZnO Thin Films	NANOMATERIALS	AUG	2018
37	Physics	Giataganas, D; Lee, DS; Yeh, CP	葉振斌. 李大興	Quantum fluctuation and dissipation in holographic theories: A unifying study scheme	JOURNAL OF HIGH ENERGY PHYSICS	20-Aug	2018
38	Materials Science; Polymer Science	Sharma, AK; Devan, RS; Arora, M; Kumar, R; Ma, YR; Datta, IN	馬遠榮	Reductive-co-precipitated cellulose immobilized zerovalent iron nanoparticles in ionic liquid/water for Cr(VI) adsorption	CELLULOSE	SEP	2018

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39	Chemistry	Patil, AA; Chiang, CK; Wen, CH; Peng, WP	彭文平*. 江政剛	Forced dried droplet method for MALDI sample preparation	ANALYTICAL CHEMICAL ACTA	15-Nov	2018
40	Research & Experimental Medicine	Lin, YC; Tsai, LW; Perevedentseva, E ; Karmenyan, A ; Cheng, CL	鄭嘉良*	Near-Infrared Fluorescence from Nanodiamond for Multimodal Bioimaging	SOVREMENNYE TEHNOLOGII V MEDICINE		2018
41	Optics; Physics	Jiang, L ; Jiang, G; Chi, HC ; Huang, KN	紀信昌	Multipole effects in the photoionization processes of Mg isoelectronic series with Z=12-22	EUROPEAN PHYSICAL JOURNAL B	25-Jan	2018
42	Physics	Bhat, RC; Manjunatha, SO; Rao, A; Thomas, R; Awana, VPS; Lin, C-F	郭永綱*	Thermal properties of La _{0.7} Ca _{0.2} Sr _{0.1} MnO ₃ :PdO composites	PHYSICAL B- CONDENSED MATTER	1-Dec	2018
43	Biochemistry & Molecular Biology; Pharmacology & Pharmacy; Neurosciences & Neurology	Thai, NQ; Bednarikova, Z; Gancar, M; Linh, HQ; Hu, CK; Li, MS; Gazova, Z	胡進錕*	Compound CID 9998128 Is a Potential Multitarget Drug for Alzheimer's Disease	ACS CHEMICAL NEUROSCIENCE	NOV	2018

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44	Chemistry	Liang, SY; Patil, AA; Han, CH; Chou, SW; Chang, W; Soo, PC; Chang, H	彭文平*	Ionization of Submicrometer-Sized Particles by Laser-Induced Radiofrequency Plasma for Mass Spectrometric Analysis	ANALYTICAL CHEMISTRY	20-Nov	2018
45	Biochemistry & Molecular Biology; Pharmacology & Pharmacy	Hsu, NS; Wang, YL; Lin, KH; Chang, CF; Ke, SC; Lyu, SY; Hsu, LJ; Li, YS; Chen, SC; Wang, KC; Li, B	柯學初	Evidence of Diradicals Involved in the Yeast Transketolase Catalyzed Keto-Transferring Reactions	CHEMBIOCHEM	16-Nov	2018
46	Physics	Bhatt, RC; Daivajna, MD; Rao, A; Prasad, KS; Thomas, R; Nagaraja, BS; Awana, VPS; Lin, CF; Ramachandra, P	郭永綱*	Influence of sintering temperature on the electrical and thermal properties of bulk samples of Pr ₂ /3Sr ₁ /3MnO ₃ -delta	PHYSICAL B-CONDENSED MATTER	15-Sep	2018

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47	Biochemistry & Molecular Biology; Optics; Radiology, Nuclear Medicine & Medical Imaging	Perevedentseva, E; Karmenyan, A; Lin, YC; Song, CY; Lin, ZR; Ashek-I-Ahmed; Chang, CC; Norina, S; Bessalova, V; Perov, N; Levinson, O; Zousman, B; Cheng, CH	鄭嘉良	Multifunctional biomedical applications of magnetic nanodiamond (vol 23, 091404, 2018)	JOURNAL OF BIOMEDICAL OPTICS	SEP	2018
48	Biochemistry & Molecular Biology; Optics; Radiology, Nuclear Medicine & Medical Imaging	Perevedentseva, E; Karmenyan, A; Lin, YC; Song, CY; Lin, ZR; Ashek-I-Ahmed; Chang, CC; Norina, S; Bessalova, V; Perov, N; Levinson, O; Zousman, B; Cheng, CH	鄭嘉良*	Multifunctional biomedical applications of magnetic nanodiamond	JOURNAL OF BIOMEDICAL OPTICS	SEP	2018

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49	Physics	Hung, YC; Struzik, ZR; Hu, CK	胡進錕	Noise as a potential controller in antagonist inter-reacting systems	PHYSICAL STATISTICAL MECHANICS AND ITS APPLICATIONS	15-Dec	2018
50	Chemistry ; Physics	Lodhi, PD; Kaurav, N; Huang, RY; Kuo, YK	郭永綱	Influence of sulfur doping on the electrical and thermal transport properties of FeTe _{1-x} S _x superconductors	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	DEC	2018