

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Optics; Physics	Qiao, CK; Chi, HC; Zhang, L; Gu, P; Liu, CP; Tang, CJ; Lin, ST; Huang, KN	紀信昌.劉承邦	Relativistic impulse approximation in Compton scattering	JOURNAL OF PHYSICS B- ATOMIC MOLECULAR AND OPTICAL PHYSICS	14-Apr	2020
2	Physics	Qiao, CK; Chi, HC; Lin, ST; Gu, P; Liu, SK; Tang, CJ	紀信昌	Compton scattering energy spectrum for Si and Ge systems	JOURNAL OF PHYSICS G- NUCLEAR AND PARTICLE PHYSICS	FEB	2020
3	Materials Science; Physics	Nandi, S; Jana, YM; Chakraborty, D; Alam, J; Bag, P; Islam, SS; Nath, R	Bag, P.	Magnetothermodynamic properties of frustrated pyrochlore Gd ₂ FeSbO ₇ in cooperative two-sublattice molecular-field model	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	15-Apr	2020
4	Astronomy & Astrophysics; Physics	Syu, WC; Lee, DS; Ng, KW	李大興*	Quantum loop effects to the power spectrum of primordial perturbations during ultra slow-roll inflation	PHYSICAL REVIEW D	30-Jan	2020
5	Physics	Zeng, HL; Zhu, CP; Wang, SX; Guo, YD; Gu, ZM; Hu, CK	胡進錕	Scaling behaviors and self-organized criticality of two-dimensional small-world neural networks	PHYSICA A- STATISTICAL MECHANICS AND ITS APPLICATIONS	15-Feb	2020
6	Materials Science; Physics	Pallab; Somesh, K; Nath, R	Pallab	A study of cluster spin-glass behaviour at the critical composition Mn _{0.73} Fe _{0.27} NiGe	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	1-Mar	2020
7	Physics	Lee, DS; Lin, CY; Rivers, RJ	林子強*.李大興	Large phonon time-of-flight fluctuations in expanding flat condensates of cold Fermi gases	JOURNAL OF PHYSICS- CONDENSED MATTER	14-Oct	2020

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8	Chemistry	Koli, VB; Ke, SC; Dodamani, AG; Deshmukh, SP; Kim, JS	柯學初	Boron-Doped TiO ₂ -CNT Nanocomposites with Improved Photocatalytic Efficiency toward Photodegradation of Toluene Gas and Photo-Inactivation of Escherichia coli	CATALYSTS	JUN	2020
9	Science & Technology - Other Topics; Materials Science	Gandhi, AC; Li, TY; Kumar, BV; Reddy, PM; Peng, JC; Wu, CM; Wu, SY	吳勝允*	Room Temperature Magnetic Memory Effect in Cluster-Glassy Fe-Doped NiO Nanoparticles	NANOMATERIALS	JUL	2020
10	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
11	Chemistry	Biswas, R; Kundu, A; Saha, M; Kaur, V; Banerjee, B; Dhayal, RS; Patil, RA; Ma, YR; Sen, T; Halder, KK	馬遠榮	Rational design of marigold-shaped composite Ni ₃ V ₂ O ₈ flowers: a promising catalyst for the oxygen evolution reaction	NEW JOURNAL OF CHEMISTRY	28-Jul	2020
12	Science & Technology - Other Topics; Materials Science	Gandhi, AC; Cheng, CL; Wu, SY	吳勝允*	Structural and Enhanced Optical Properties of Stabilized gamma-Bi ₂ O ₃ Nanoparticles: Effect of Oxygen Ion Vacancies	NANOMATERIALS	JUN	2020
13	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Das, BK; Ramachandran, B; Dixit, A; Rao, MSR; Naik, R; Sathyanarayana, AT; Sairam, TN; Amarendra, G	Ramachandran, B.	Emergence of two-magnon modes below spin-reorientation transition and phonon-magnon coupling in bulk BiFeO ₃ : An infrared spectroscopic study	JOURNAL OF ALLOYS AND COMPOUNDS	15-Aug	2020
14	Optics; Physics	Syu, WC; Lee, DS; Lin, CY	李大興.林子強*	Regular and chaotic behavior of collective atomic motion in two-component Bose-Einstein condensates	PHYSICAL REVIEW A	15-Jun	2020

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15	Physics	Hari, SR; Srinivas, V; Li, CR; Kuo, YK	郭永綱	Thermoelectric properties of rare-earth doped Fe ₂ VAl Heusler alloys	JOURNAL OF PHYSICS-CONDENSED MATTER	19-Aug	2020
16	Chemistry; Engineering	Nimbalkar, DB; Ramacharyulu, PVRK; Sahoo, SR; Chen, JR; Chang, CM; Maity, AN; Ke, SC	柯學初*	Dual roles of [NCN](2-) on anatase TiO ₂ : A fully occupied molecular gap state for direct charge injection into the conduction band and an interfacial mediator for the covalent formation of heterostructured g-C ₃ N ₄ /a-TiO ₂ nanocomposite	APPLIED CATALYSIS B-ENVIRONMENTAL	15-Sep	2020
17	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
18	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Kitchamsetti, N; Ma, YR; Shirage, PM; Devan, RS	馬遠榮	Mesoporous perovskite of interlocked nickel titanate nanoparticles for efficient electrochemical supercapacitor electrode	JOURNAL OF ALLOYS AND COMPOUNDS	25-Aug	2020
19	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Gurukrishna, K; Rao, A; Jiang, ZZ; Kuo, YK	郭永綱*	Enhancement of thermoelectric performance by tuning selenium content in the Cu ₂ SnSe ₃ compound	INTERMETALLICS	JUL	2020
20	Physics	Barot, N; Mehta, PK; Rao, A; Thomas, R; Kuo, YK; Mishra, SK	郭永綱	Role of charge doping and distortions on the structural, electrical, and magnetic properties of modified CuFeO ₂ compounds	JOURNAL OF APPLIED PHYSICS	7-May	2020
21	Materials Science; Physics	Kuo, CN; Hsu, CJ; Tseng, CW; Chen, IWT; Lin, SY; Liu, WZ; Kuo, YK; Lue, CS	郭永綱*	Charge density wave like behavior with magnetic ordering in orthorhombic Sm ₂ Ru ₃ Ge ₅	PHYSICAL REVIEW B	28-Apr	2020

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22	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.賴建智	Intriguing field-effect-transistor performance of two-dimensional layered and crystalline CrI3	MATERIALS TODAY PHYSICS	MAR	2020
23	Computer Science; Physics	Busa, J; Ayrnan, E; Hayryan, S; Hu, CK; Pokorny, I; Skrivanek, J	胡進錕	PBCAVE: Program for exact classification of the mesh points of a protein with possible internal cavities and its application to Poisson-Boltzmann equation solution	COMPUTER PHYSICS COMMUNICATIONS	MAY	2020
24	Physics	Yao, PW; Wang, YJ; Zhu, CP; Wu, F; Hu, MH; Yang, HJ; Duong, V; Hu, CK; Stanley, HE	胡進錕	A universal state equation of particle gases for passenger flights in United States	PHYSICA A- STATISTICAL MECHANICS AND ITS APPLICATIONS	1-May	2020
25	Science & Technology - Other Topics; Materials Science; Physics	Gandhi, AC; Wu, SY	吳勝允*	Thermal annealing induced enhancement of room temperature magnetic memory effect in Fe-doped NiO nanoparticles	AIP ADVANCES	JAN	2020
26	Engineering; Materials Science; Physics	Pujari, SS; Kadam, SA; Ma, YR; Katkar, PK; Marje, SJ; Khalate, SA; Lokhande, AC; Patil, UM	馬遠榮	Facile Synthesis of Microstrip-Like Copper Phosphate Hydroxide Thin Films for Supercapacitor Applications	JOURNAL OF ELECTRONIC MATERIALS	JUN	2020
27	Physics	Zhu, CP; Jia, LT; Sun, LL; Kim, BJ; Wang, BH; Hu, CK; Stanley, HE	胡進錕	Scaling relations and finite-size scaling in gravitationally correlated lattice percolation models	CHINESE JOURNAL OF PHYSICS	APR	2020
28	Physics; Spectroscopy	Patil, AA; Lee, CW; Chou, SW; Cheng, CY; Peng, WP	彭文平	Linear and Nonlinear Resonance Ejection of High Mass Ions with charge detection rectilinear ion trap mass spectrometer	INTERNATIONAL JOURNAL OF MASS SPECTROMETRY	APR	2020

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29	Astronomy & Astrophysics; Physics	Hsiao, YW; Lee, DS; Lin, CY	林子強.李大興	Equatorial light bending around Kerr-Newman black holes	PHYSICAL REVIEW D	30-Mar	2020
30	Materials Science	Pal, A; Nagaraja, BS; Rachana, KJ; Supriya, KV; Kekuda, D; Rao, AH; Li, CR; Kuo, YK	郭永綱	Enhancement of temperature coefficient of resistance (TCR) and magnetoresistance (MR) of La _{0.67-x} RE _x Ca _{0.33} MnO ₃ (x=0, 0.1; RE = Gd, Nd, Sm) system via rare-earth substitution	MATERIALS RESEARCH EXPRESS	MAR	2020
31	Physics	Lee, HW; Hsing, CR; Chang, CM; Wei, CM	張俊明*	Electronic structures of 24-valence-electron full Heusler compounds investigated by density functional and GW calculations	JOURNAL OF PHYSICS-CONDENSED MATTER	24-Apr	2020
32	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Bag, P; Liu, WZ; Kuo, YK; Kuo, CN; Lue, CS	郭永綱*	Thermoelectric properties of chemically substituted Heusler-type Ru _{2-x} Nb _{1+x} Ga and Ru ₂ NbGa _{1-x} M _x (M = In, Ge, and Sn) alloys	JOURNAL OF ALLOYS AND COMPOUNDS	30-Dec	2020
33	Chemistry	Dash, L; Biswas, R; Ghosh, R; Kaur, V; Banerjee, B; Sen, T; Patil, RA; Ma, YR; Haldar, KK	馬遠榮	Fabrication of mesoporous titanium dioxide using azadirachta indica leaves extract towards visible-light-driven photocatalytic dye degradation	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	1-Sep	2020
34	Physics	Thomas, R; Rao, A; Chung, CY; Kuo, YK; Shivamurthy, B	郭永綱*	Investigation of thermoelectric properties of Cu ₂ SnSe ₃ composites incorporated with SnSe	PHYSICA B-CONDENSED MATTER	1-Nov	2020
35	Engineering; Materials Science; Physics	Hegde, GS; Prabhu, AN; Huang, RY; Kuo, YK	郭永綱*	Reduction in thermal conductivity and electrical resistivity of indium and tellurium co-doped bismuth selenide thermoelectric system	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS		

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36	Chemistry	Khirid, S; Biswas, R; Meena, S; Patil, RA; Ma, YR; Devan, RS; Dhayal, RS; Halder, KK	馬遠榮	Designing of Ag ₂ S Nanowires from a Single-Source Molecular Precursor [(PPh ₃) ₂ AgS ₂ P((OPr)-Pr-i)(₂)] for Hydrogen Evolution Reaction	CHEMISTRYSELECT	14-Sep	2020
37	Optics	Chen, YP; Lai, CC; Tsai, WS	賴建智	Full-color based on bismuth core-shell nanoparticles in one-step fabrication	OPTICS EXPRESS	17-Aug	2020
38	Science & Technology - Other Topics; Materials Science	Tarachad; Okram, GS; De, BK; Dam, S; Hussain, S; Sathe, V; Deshpande, U; Lakhani, A; Kuo, YK	郭永綱	Enhanced Thermoelectric Performance of Novel Reaction Condition-Induced Bi ₂ S ₃ -Bi Nanocomposites	ACS APPLIED MATERIALS & INTERFACES	19-Aug	2020
39	Astronomy & Astrophysics; Physics	Pandey, MK; Singh, L; Wu, CP; Chen, JW; Chi, HC; Hsieh, CC; Liu, CP; Wong, HT	劉承邦*.紀信昌	Constraints from a many-body method on spin-independent dark matter scattering off electrons using data from germanium and xenon detectors	PHYSICAL REVIEW D	28-Dec	2020
40	Astronomy & Astrophysics; Physics	Liu, CP; Wu, CP; Chi, HC; Chen, JW	劉承邦*.紀信昌	Model-independent determination of the Migdal effect via photoabsorption	PHYSICAL REVIEW D	17-Dec	2020
41	Chemistry; Science & Technology - Other Topics; Materials Science; Physics	Gandhi, AC; Lai, CY; Wu, KT; Ramacharyulu, PVRK; Koli, VB; Cheng, CL; Ke, SC; Wu, SY	吳勝允*.柯學初. 鄭嘉良	Phase transformation and room temperature stabilization of various Bi ₂ O ₃ nano-polymorphs: effect of oxygen-vacancy defects and reduced surface energy due to adsorbed carbon species	NANOSCALE	21-Dec	2020
42	Science & Technology - Other Topics; Materials Science	Sharma, V; Okram, GS; Verma, D; Lalla, NP; Kuo, YK	郭永綱	Ultralow Thermal Conductivity and Large Figure of Merit in Low-Cost and Nontoxic Core-Shell Cu@Cu ₂ O Nanocomposites	ACS APPLIED MATERIALS & INTERFACES	9-Dec	2020
43	Physics	Qian, WR; Zhu, CP; Wang, YJ; Hu, CK	胡進錕	Eigen microstates of particle gases for passenger flights in the United States	CHINESE JOURNAL OF PHYSICS	DEC	2020

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44	Chemistry; Science & Technology - Other Topics; Materials Science	Biswas, R; Singh, S; Ahmed, I; Patil, RA; Ma, YR; Haldar, KK	馬遠榮	Rational Design of Bimetallic Au/Cu Nanostructure: An Efficient Catalyst for Methanol Oxidation	CHEMNANOMAT	FEB	2021
45	Astronomy & Astrophysics	Lin, ZY; Cheng, YL; Vincent, JB; Zhang, XL; Ip, WH; Chi, HC	紀信昌	A study of the physical properties of an active asteroid (6478 Gault)	PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN	OCT	2020
46	Chemistry; Materials Science	Pujari, SS; Kadam, SA; Ma, YR; Khalate, SA; Katkar, PK; Marje, SJ; Patil, UM	馬遠榮	Highly sensitive hydrothermally prepared nickel phosphate electrocatalyst as non-enzymatic glucose sensing electrode	JOURNAL OF POROUS MATERIALS		
47	Materials Science; Physics	Kuo, CN; Huang, RY; Kuo, YK; Lue, CS	郭永綱*	Transport and thermal behavior of the charge density wave phase transition in CuTe	PHYSICAL REVIEW B	23-Oct	2020
48	Pharmacology & Pharmacy	Perevedentseva, E; Lin, YC; Cheng, CL	鄭嘉良*	A review of recent advances in nanodiamond-mediated drug delivery in cancer	EXPERT OPINION ON DRUG DELIVERY		
49	Biochemistry & Molecular Biology; Optics; Radiology, Nuclear Medicine & Medical Imaging	Perevedentseva, E; Ali, N; Lin, YC; Karmenyan, A; Chang, CC; Bibikova, O; Skovorodkin, I; Prunskaitė- Hyyrylainen, R; Vainio, SJ; Kinnunen, M; Cheng, CL	鄭嘉良	Au nanostar nanoparticle as a bio-imaging agent and its detection and visualization in biosystems	BIOMEDICAL OPTICS EXPRESS	1-Oct	2020