

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Chemistry, Physical; Materials Science, Coatings & Films; Physics, Applied; Physics, Condensed Matter	Li, TY; Ho, MK; Hsu, TE; Chiu, HH; Wu, KT; Peng, JC; Wu, CM; Chan, TS; Kumar, BV; Reddy, PM; Ke, SC; Cheng, CL; Gandhi, AC; Wu, SY	吳勝允*.鄭嘉良. 柯學初	Antiferromagnetic spin correlations above the bulk ordering temperature in NiO nanoparticles: Effect of extrinsic factors	APPLIED SURFACE SCIENCE	MAR 15	2022
2	Biochemical Research Methods; Biophysics; Optics	Pearl, WG; Perevedentseva, EV; Karmenyan, AV; Khanadeev, VA; Wu, SY; Ma, YR; Khlebtsov, NG; Cheng, CL	鄭嘉良*.馬遠榮. 吳勝允	Multifunctional plasmonic gold nanostars for cancer diagnostic and therapeutic applications	JOURNAL OF BIOPHOTONICS	MAR	2022
3	Chemistry, Multidisciplinary; Physics, Condensed Matter	Mangavati, S; Pal, A; Rao, AS; Jiang, ZZ; Kuo, YK	郭永綱*	Reduction in low-temperature thermal conductivity of Cu ₂ Se via substitution of Se by Te atoms	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	JAN	2022
4	Chemistry, Physical; Materials Science, Coatings & Films; Physics, Applied; Physics, Condensed Matter	Maria, Carlo C. Sta A.; Patil, Ranjit; Hasibuan, Denny Pratama; Saragih, Clara Sinta; Lai, Chien-Chi; Liou, Yung; Ma, Yuan-Ron	馬遠榮*.賴建智	White-light photodetection enhancement and thin film impediment in Bi ₂ S ₃ nanorods/thin-films homojunction photodetectors	APPLIED SURFACE SCIENCE	MAY 15	2022
5	Materials Science, Multidisciplinary	Hegde, Ganesh Shridhar; Prabhu, A. N.; Yang, C. F.; Kuo, Y. K.	郭永綱*	Reduction in electrical resistivity of bismuth selenide single crystal via Sn and Te co-doping	MATERIALS CHEMISTRY AND PHYSICS	FEB 15	2022

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6	Chemistry, Inorganic & Nuclear; Chemistry, Physical	Gurukrishna, K.; Rao, Ashok; Chung, Yin-Chun; Kuo, Yung-Kang	郭永綱*	Manipulating the phonon transport towards reducing thermal conductivity via replacement of Cu by Mn in Cu ₂ SnSe ₃ thermoelectric system	JOURNAL OF SOLID STATE CHEMISTRY	MAR	2022
7	Multidisciplinary Sciences	Yu-Chung Lin; Perevedentseva, Elena; Zhe-Rui Lin; Chia-Chi Chang; Hsiang-Hsin Chen; Shun-Min Yang; Ming-Der Lin; Karmenyan, Artashes; Speranza, Giorgio; Minati, Luca; Nebel, Christoph; Chia-Liang Cheng	鄭嘉良*	Multimodal bioimaging using nanodiamond and gold hybrid nanoparticles	SCIENTIFIC REPORTS	MAR 29	2022
8	Physics, Multidisciplinary	Parmar, Kaushal H.; Manjunath, Vishesh; Bimli, Santosh; Chikate, Parameshwar R.; Patil, Ranjit A.; Ma, Yuan-Ron; Devan, Rupesh S.	馬遠榮	Stable and reversible electrochromic behaviors in anodic NiO thin films	CHINESE JOURNAL OF PHYSICS	JUN	2022
9	Chemistry, Physical	Khalate, Suraj A.; Kadam, Sujit A.; Ma, Yuan-Ron; Kulkarni, Sachin B.; Parale, Vinayak G.; Patil, Umakant M.	馬遠榮	Binder free cobalt iron phosphate thin films as efficient electrocatalysts for overall water splitting	JOURNAL OF COLLOID AND INTERFACE SCIENCE	MAY	2022

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10	Materials Science, Characterization & Testing; Materials Science, Composites; Polymer Science	Thomas, Saliney; Thomas, Shaji; Kadam, Sujit A.; Jose, Thomasukutty; Abraham, Jiji; George, Soney C.; Thomas, Sabu	Kadam, Sujit A.	Multiwalled carbon nanotubes reinforced flexible blend nanocomposites membranes for pervaporation separation of aromatic-aliphatic mixtures	POLYMERS & POLYMER COMPOSITES	JAN 10	2022
11	Chemistry, Physical; Physics, Atomic, Molecular & Chemical	Narsimha, Kura; Anuradha, N.; Sudarshan, Kathi; Gandhi, Ashish Chhaganlal; Raju, A. Krishnam; Reddy, P. Muralidhar; Mone, Radhika; Upender, G.; Kumar, B. Vijaya	Gandhi, Ashish Chhaganlal	One-pot hydrothermal preparation and defect-enhanced photocatalytic activity of Bi-doped CdWO ₄ nanostructures	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	APR 13	2022
12	Chemistry, Physical	Das, Bhriguram; Ghosh, Avijit; Yesmin, Sabina; Abbas, Sk Jahir; Dolai, Malay; Mabhai, Subhabrata; Jana, Atanu; Dey, Satyajit; Misra, Ajay	Yesmin, Sabina	A cell-compatible phenolphthalein-aminophenol scaffold for Al ³⁺ sensing assisted by CHEF phenomenon	JOURNAL OF MOLECULAR STRUCTURE	APR 5	2022
13	Biochemistry & Molecular Biology; Chemistry, Multidisciplinary	Maity, Amarendra Nath; Chen, Jun-Ru; Li, Quan-Yuan; Ke, Shyue-Chu	柯學初*	The Nitrogen Atom of Vitamin B-6 Is Essential for the Catalysis of Radical Aminomutases	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	MAY	2022

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14	Chemistry, Physical; Materials Science, Coatings & Films; Physics, Applied; Physics, Condensed Matter	Chuang, Fan-Ying; Hasibuan, Denny Pratama; Saragih, Clara Sinta; Patil, Ranjit A.; Tsai, Chih-Hung; Liou, Yung; Ma, Yuan-Ron	馬遠榮*.蔡志宏	Transmission-path dependent electron hopping transport in thin films and nanorods of NiO	SURFACES AND INTERFACES	JUN	2022
15	Immunology	Hung, Shih-Che; Ke, Lu-Chu; Lien, Te-Sheng; Huang, Hsuan-Shun; Sun, Der-Shan; Cheng, Chia-Liang; Chang, Hsin-Hou	鄭嘉良	Nanodiamond-Induced Thrombocytopenia in Mice Involve P-Selectin-Dependent Nlrp3 Inflammasome-Mediated Platelet Aggregation, Pyroptosis and Apoptosis	FRONTIERS IN IMMUNOLOGY	APR 4	2022
16	Chemistry, Multidisciplinary; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary; Physics, Applied	Su, YS; Yang, WR; Jheng, WW; Kuo, W; Tzeng, SD; Yasuda, K; Song, JM	曾賢德	Optimization of Piezoresistive Strain Sensors Based on Gold Nanoparticle Deposits on PDMS Substrates for Highly Sensitive Human Pulse Sensing	NANOMATERIALS	JUL	2022
17	Chemistry, Physical; Engineering, Environmental; Engineering, Chemical	Yesmin, S; Abbas, SJ; Ke, SC	柯學初*	A powerful and multifunctional catalyst for organic synthesis, transformation, and environmental remediation: A polyImidazole supported trimetallic catalyst	APPLIED CATALYSIS B-ENVIRONMENTAL	NOV 5	2022

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18	Chemistry, Multidisciplinary; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Koli, VB; Nath, RR; Chen, JR; Ke, SC	柯學初*	Enhanced photocatalytic inactivation of bacteria and degradation of pharmaceutical pollutant by rGO/N-TiO ₂ nanocomposites: a study of active radicals	JOURNAL OF NANOPARTICLE RESEARCH	AUG	2022
19	Energy & Fuels	Pujari, SS; Kadam, SA; Ma, YR; Jadhav, SB; Kumbhar, SS; Bhosale, SB; Gunjekar, JL; Lokhande, CD; Patil, UM	馬遠榮	Hydrothermally synthesized nickel copper phosphate thin film cathodes for high-performance hybrid supercapacitor devices	JOURNAL OF ENERGY STORAGE	AUG 25	2022
20	Physics, Particles & Fields	Kawamoto, S; Lee, DS; Yeh, CP	李大興.葉振斌	Time dependent field correlators from holographic EPR pairs	JOURNAL OF HIGH ENERGY PHYSICS	AUG 8	2022
21	Chemistry, Analytical	Liang, SY; Wan, SC; Ho, YP; Horng, YT; Soo, PC; Peng, WP	彭文平*.何彥鵬	Rapid Quantification of Polyhydroxybutyrate Polymer from Single Bacterial Cells with Mass Spectrometry	ANALYTICAL CHEMISTRY	AUG 17	2022
22	Materials Science, Multidisciplinary; Physics, Condensed Matter	Jana, YM; Ghosal, A; Nandi, S; Alam, J; Bag, P; Islam, SS; Nath, R	Bag, P	Spin-ice behavior of mixed pyrochlore Dy ₂ GaSbO ₇ exhibiting enhanced Pauling zero-point entropy	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	NOV 15	2022
23	Astronomy & Astrophysics; Physics, Particles & Fields	Syu, WC; Lee, DS; Lin, CY	Syu, Wei-Can*.李大興.林子強	Analogous Hawking radiation and quantum entanglement in two-component Bose-Einstein condensates: The gapped excitations	PHYSICAL REVIEW D	AUG 5	2022

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24	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Gandhi, AC; Chiu, HH; Ho, MK; Hsu, TE; Li, TY; Wu, YH; Kumar, BV; Reddy, PM; Lin, BH; Cheng, CL; Wu, SY	吳勝允*	Modulation of Magnetic and Luminescence Properties via Control Cu-Doped in CdWO ₄ Nanorods for Photocatalytic Applications	ACS APPLIED NANO MATERIALS	SEP 21	2022
25	Energy & Fuels; Engineering, Chemical	Ahmed, I; Biswas, R; Dastider, SG; Singh, H; Mete, S; Patil, RA; Saha, M; Yadav, AK; Jha, SN; Mondal, K; Singh, H; Ma, YR; Halder, KK	馬遠榮.Patil, RA	Mechanism of Iron Integration into LiMn(1.5)Ni(0.5)O(4)for the Electrocatalytic Oxygen Evolution Reaction	ENERGY & FUELS	SEP 14	2022
26	Chemistry, Multidisciplinary	More, P; Kadam, SA; Ma, YR; Chen, YR; Tarwal, N; Navale, Y; Salunkhe, A; Patil, V	Kadam, SA*.馬遠榮	Spray Synthesized Mn-doped CuO Electrodes for High Performance Supercapacitor	CHEMISTRYSELECT	OCT 7	2022
27	Astronomy & Astrophysics; Physics, Particles & Fields	Liu, CP; Wu, CP; Chen, JW; Chi, HC; Pandey, MK; Singh, L; Wong, HT	劉承邦*	Spin-dependent dark matter-electron interactions	PHYSICAL REVIEW D	SEP 8	2022
28	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied	Kadam, SA; Ma, YR; Chen, YR; Navale, YH; Salunkhe, AS; Patil, VB; Ralegankar, SD; More, PD	馬遠榮	Mn-Incorporated alpha-Fe ₂ O ₃ Nanostructured Thin Films: Facile Synthesis and Application as a High-Performance Supercapacitor	JOURNAL OF ELECTRONIC MATERIALS	OCT 27	2022

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29	Physics, Applied; Physics, Condensed Matter	Manjunatha, K; Yahia, IS; Zahran, HY; Algarni, H; Fernandes, BJ; Si, PZ; Tilak, S; Ramesh, KP; Manjunatha, SO; Angadi, VJ; Narapureddy, BR	Manjunatha, K	Effect of Sc ³⁺ Doping on the Optical and Magnetic Properties of Cobalt Chromite Nanoparticles	JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM	DEC	2022
30	Chemistry, Multidisciplinary	Ahmed, I; Biswas, R; Singh, H; Patil, RA; Varshney, R; Patra, D; Ma, YR; Halder, KK	馬遠榮	Green synthesis of hybrid papain/Ni-3(PO ₄) ₂ rods electrocatalyst for enhanced oxygen evolution reaction	NEW JOURNAL OF CHEMISTRY	OCT 21	2022
31	Astronomy & Astrophysics; Physics, Particles & Fields	Wang, CY; Lee, DS; Lin, CY	李大興*.林子強	Null and timelike geodesics in the Kerr-Newman black hole exterior	PHYSICAL REVIEW D	OCT 27	2022
32	Polymer Science	Huang, SS; Hsieh, YH; Chen, CN	陳企寧*	Exact Enumeration Approach to Estimate the Theta Temperature of Interacting Self-Avoiding Walks on the Simple Cubic Lattice	POLYMERS	NOV	2022
33	Chemistry, Physical; Energy & Fuels; Materials Science, Multidisciplinary	Pujari, SS; Kadam, SA; Ma, YR; Jadhav, SB; Kumbhar, SS; Bhosale, SB; Patil, VV; Gunjekar, JL; Lokhande, CD; Patil, UM	馬遠榮	A binder-free facile synthetic approach for amorphous, hydrous nickel copper phosphate thin film electrode preparation and its application as a highly stable cathode for hybrid asymmetric supercapacitors	SUSTAINABLE ENERGY & FUELS	NOV 11	2022
34	Biochemistry & Molecular Biology; Chemistry, Multidisciplinary	Manjunatha, K; Ho, MK; Hsu, TE; Chiu, HH; Li, TY; Kumar, BV; Reddy, PM; Chan, TS; Wu, YH; Lin, BH; Karmenyan, A; Cheng, CL; Gandhi, AC; Wu, SY	吳勝允*.鄭嘉良	Precise Sn-Doping Modulation for Optimizing CdWO ₄ Nanorod Photoluminescence	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	DEC	2022

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35	Chemistry, Multidisciplinary; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary; Physics, Applied	Gandhi, AC; Manjunatha, K; Chan, TS; Wu, SY	吳勝允*	Structural and Superconducting Proximity Effect of SnPb Bimetallic Nanoalloys	NANOMATERIALS	DEC	2022
36	Energy & Fuels; Engineering, Chemical	Biswas, R; Thakur, P; Ahmed, I; Rom, T; Ali, MS; Patil, RA; Kumar, B; Som, S; Chopra, D; Paul, AK; Ma, YR; Haldar, KK	馬遠榮	Coupling Nonstoichiometric Zn _{0.76} Co _{0.24} S with NiCo ₂ S ₄ Composite Nanoflowers for Efficient Synergistic Electrocatalytic Oxygen and Hydrogen Evolution Reactions	ENERGY & FUELS	DEC 15	2022
37	Nuclear Science & Technology; Physics, Nuclear	Jia, HT; Lin, ST; Liu, SK; Chi, HC; Deniz, M; Fang, CH; Gu, P; Jiang, X; Shu, YK; Li, QY; Liu, Y; Li, RMJ; Qiao, CK; Tang, CJ; Wong, HTK; Xing, HY; Yang, LT; Yue, Q; Yan, YL; Zhao, KK; Zhu, JJ	紀信昌	High-accuracy measurement of Compton scattering in germanium for dark matter searches	NUCLEAR SCIENCE AND TECHNIQUES	DEC	2022
38	Chemistry, Inorganic & Nuclear; Chemistry, Physical; Materials Science, Multidisciplinary	Streletskiy, O; Perevedentseva, E; Zavidovskiy, I; Karmenyan, A; Sychev, V; Sadykova, V; Kuvarina, A; Cheng, CL	鄭嘉良	Amorphous Carbon Films with Embedded Well-Dispersed Nanodiamonds: Plasmon-Enhanced Analysis and Possible Antimicrobial Applications	MAGNETOCHEMIS TRY	DEC	2022

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39	Materials Science, Characterization & Testing; Materials Science, Composites; Polymer Science	Thomas, S; Thomas, S; Kadam, SA; Jose, T; Abraham, J; George, SC; Thomas, S	Kadam, SA	Multiwalled carbon nanotubes reinforced flexible blend nanocomposites membranes for pervaporation separation of aromatic-aliphatic mixtures	POLYMERS & POLYMER COMPOSITES	JUN	2022