

物理學系(Department of Physics)

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Chemistry; Materials Science; Physics	Gandhi, AC; Chiu, HH; Wu, KT; Cheng, CL; Wu, SY	吳勝允*.鄭嘉良	Surface-spin driven room temperature magnetic memory effect in Fe-substituted NiO nanoparticles	APPLIED SURFACE SCIENCE	15-Jan	2021
2	Physics, Particles & Fields	Sun, PC; Lee, DS; Yeh, CP	葉振斌*.李大興	Holographic approach to thermalization in general anisotropic theories	JOURNAL OF HIGH ENERGY PHYSICS	MAR 17	2021
3	Physics, Atomic, Molecular & Chemical; Spectroscopy	Patil, AA; Lai, TKL; Wang, CW; Chen, GF; Du, BX; Chiang, CK; Peng, WP	彭文平*.江政剛	Generation of multiply charged ions from homogeneous MALDI microcrystals	INTERNATIONAL JOURNAL OF MASS SPECTROMETRY	APR	2021
4	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Ponmudi, TS; Lee, CW; Lai, CC; Tsai, CH	蔡志宏*.賴建智	Comparative study on the effect of annealing temperature on sol-gel-derived nickel oxide thin film as hole transport layers for inverted perovskite solar cells	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	MAR	2021
5	Materials Science, Multidisciplinary; Materials Science, Coatings & Films; Physics, Applied	Thiruchelvan, PS; Lai, CC; Tsai, CH	蔡志宏*.賴建智	Combustion Processed Nickel Oxide and Zinc Doped Nickel Oxide Thin Films as a Hole Transport Layer for Perovskite Solar Cells	COATINGS	JUN	2021

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6	Chemistry, Multidisciplinary; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary; Physics, Applied	Gandhi, AC; Selvam, R; Cheng, CL; Wu, SY	吳勝允*.鄭嘉良	Room Temperature Magnetic Memory Effect in Nanodiamond/gamma-Fe ₂ O ₃ Composites	NANOMATERIALS	MAR	2021
7	Chemistry, Multidisciplinary; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary; Physics, Applied	Sahoo, SR; Ke, SC	柯學初*	Spin-Orbit Coupling Effects in Au 4f Core-Level Electronic Structures in Supported Low-Dimensional Gold Nanoparticles	NANOMATERIALS	FEB	2021
8	Optics; Physics, Atomic, Molecular & Chemical	Syu, WC; Lee, DS; Yeh, CP	Syu, Wei-Can*.李大興.葉振斌	Entanglement of quantum oscillators coupled to different heat baths	JOURNAL OF PHYSICS B- ATOMIC MOLECULAR AND OPTICAL PHYSICS	MAR 3	2021
9	Astronomy & Astrophysics; Physics, Particles & Fields	Hsieh, T; Lee, DS; Lin, CY	李大興*.林子強*	Strong gravitational lensing by Kerr and Kerr-Newman black holes	PHYSICAL REVIEW D	MAY 28	2021

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10	Energy & Fuels; Materials Science, Multidisciplinary; Physics, Applied	Huang, YJ; Yu, CY; Jiang, ZK; Chen, YC; Sun, CP; Utila, MH; Yeh, WCV; Lin, CH	林楚軒*.葉旺奇	Commercial Solar Cells With Graphene Oxide as the Passivation Film	IEEE JOURNAL OF PHOTOVOLTAICS	JUL	2021
11	Spectroscopy	Badgular, PM; Wang, YC; Cheng, CL	鄭嘉良*	A light-mediated study of carotenoids in carrots (Daucus carota) using resonance Raman spectroscopy	JOURNAL OF RAMAN SPECTROSCOPY	DEC	2021
12	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Thomas, R; Rao, AS; Jiang, ZZ; Kuo, YK	郭永綱*	Synergistic effect of In doping on electrical and thermal properties of Cu ₂ SnSe ₃ thermoelectric system	JOURNAL OF MATERIALS SCIENCE- MATERIALS IN ELECTRONICS	MAR	2021

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13	Chemistry, Multidisciplinary; Chemistry, Physical; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Nguyen, DH; Sun, JY; Lo, CY; Liu, JM; Tsai, WS; Li, MH; Yang, SJ; Lin, CC; Tzeng, SD; Ma, YR; Lin, MY; Lai, CC	賴建智*.馬遠榮. 曾賢德	Ultralow-Threshold Continuous-Wave Room-Temperature Crystal-Fiber/Nanoperovskite Hybrid Lasers for All-Optical Photonic Integration	ADVANCED MATERIALS	MAR	2021
14	Chemistry, Physical; Materials Science, Multidisciplinary	Saravanan, L; Patil, RA; Gultom, P; Kumar, B; Manikandan, A; Fu, YP; Chueh, YL; Cheng, CL; Yeh, WC; Ma, YR	葉旺奇*.鄭嘉良. 馬遠榮*.傅彥培	Rutile-phase TiO ₂ @carbon core-shell nanowires and their photoactivation in visible light region	CARBON	AUG 30	2021
15	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Hegde, GS; Prabhu, AN; Gao, YH; Kuo, YK; Reddy, VR	郭永綱*	Potential thermoelectric materials of indium and tellurium co-doped bismuth selenide single crystals grown by melt growth technique	JOURNAL OF ALLOYS AND COMPOUNDS	JUN 15	2021

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16	Chemistry, Physical; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Biswas, R; Banerjee, B; Saha, M; Ahmed, I; Mete, S; Patil, RA; Ma, YR; Halдар, KK	馬遠榮	Green Approach for the Fabrication of Au/ZnO Nanoflowers: A Catalytic Aspect	JOURNAL OF PHYSICAL CHEMISTRY C	APR 1	2021
17	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Chotia, C; Tarachand; Okram, GS; Kuo, YK; Hussain, S	郭永綱	Enhanced thermoelectric properties of (SnS)(1- x)(SnO)(x):x <= 10.79% nanocomposites prepared by polyol method	JOURNAL OF MATERIALS SCIENCE- MATERIALS IN ELECTRONICS	APR	2021
18	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Jheng, WW; Su, YS; Hsieh, YL; Lin, YJ; Tzeng, SD; Chang, CW; Song, JM; Kuo, W	曾賢德	Gold Nanoparticle Thin Film-Based Strain Sensors for Monitoring Human Pulse	ACS APPLIED NANO MATERIALS	FEB 26	2021

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19	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Deshmukh, SP; Sanadi, KR; Diggikar, RS; Koli, VB; Mali, AV	Koli, V. B.	Structural, magnetic, and electrical properties of manganese-substituted magnesium chromate spinel structure	JOURNAL OF MATERIALS SCIENCE- MATERIALS IN ELECTRONICS	MAR	2021
20	Chemistry, Multidisciplinary	Deshmukh, SP; Koli, VB; Dhodamani, AG; Patil, SM; Ghodake, VS; Delekar, SD	Koli, Valmiki B.	Ultrasonochemically Modified Ag@TiO2 Nanocomposites as Potent Antibacterial Agent in the Paint Formulation for Surface Disinfection	CHEMISTRYSELECT	JAN 8	2021
21	Physics, Particles & Fields	Qiao, CK; Lin, ST; Chi, HC; Jia, HT	紀信昌	Relativistic impulse approximation in the atomic ionization process induced by millicharged particles	JOURNAL OF HIGH ENERGY PHYSICS	MAR 19	2021
22	Engineering, Chemical	Patil, MS; Kitchamsetti, N; Mulani, SR; Rondiya, SR; Deshpande, NG; Patil, RA; Cross, RW; Dzade, NY; Sharma, KK; Patil, PS; Ma, YR; Cho, HK; Devan, RS	馬遠榮	Photocatalytic behavior of Ba(Sb/Ta)2O6 perovskite for reduction of organic pollutants: Experimental and DFT correlation	JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS	MAY	2021
23	Astronomy & Astrophysics; Physics, Particles & Fields	Sharma, V; Singh, L; Wong, HT; Agartioglu, M; Chen, JW; Deniz, M; Kerman, S; Li, HB; Liu, CP; Saraswat, K; Singh, MK; Singh, V	劉承邦	Studies of quantum-mechanical coherency effects in neutrino-nucleus elastic scattering	PHYSICAL REVIEW D	MAY 7	2021

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24	Energy & Fuels; Materials Science, Multidisciplinary; Physics, Applied	Chang, CM; Chiang, YC; Cheng, MH; Lin, SH; Jian, WB; Chen, JT; Cheng, YJ; Ma, YR; Tsukagoshi, K	馬遠榮	Fabrication of WO ₃ electrochromic devices using electro-exploding wire techniques and spray coating	SOLAR ENERGY MATERIALS AND SOLAR CELLS	MAY	2021
25	Astronomy & Astrophysics	Yanagisawa, M; Uchida, Y; Kurihara, S; Abe, S; Fuse, R; Tanaka, S; Onodera, K; Yoshida, F; Chi, HC; Lin, ZY; Lee, J; Kawamura, T; Yamada, R	紀信昌	Low dispersion spectra of lunar impact flashes in 2018 Geminids	PLANETARY AND SPACE SCIENCE	JAN	2021
26	Chemistry, Inorganic & Nuclear; Chemistry, Physical; Physics, Condensed Matter	Arputhavalli, GJ; Agilan, S; Ray, M; Thangaraju, D; Marnadu, R; Chandrasekaran, J; Chandekar, KV; Shkir, M; Jebasingh, S; Dinesh, M	Ray, Mahithosh	Post-annealing effects on structural and magnetic properties of pulsed laser deposition grown Co-Ni-Al ferromagnetic shape memory alloys thin films	SOLID STATE SCIENCES	JAN	2021
27	Energy & Fuels; Materials Science, Multidisciplinary; Physics, Applied	Phan, Giang Thi; Van Pham, Duy; Patil, Ranjit A.; Tsai, Chih-Hung; Lai, Chien-Chih; Yeh, Wang- Chi; Liou, Yung; Ma, Yuan-Ron	Van Pham, Duy*. Patil, Ranjit A.*.馬 遠榮*.葉旺奇.賴 建智.蔡志宏	Fast-switching electrochromic smart windows based on NiO-nanorods counter electrode	SOLAR ENERGY MATERIALS AND SOLAR CELLS	OCT	2021

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28	Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Kuo, C. N.; Chen, C. C.; Chang, C. M.; Huang, R. Y.; Wang, L. Y.; Kuo, Y. K.; Lue, C. S.	張俊明.郭永綱*	Specific heat and NMR evidence for the low Fermi-level density of states in semimetallic ScSb	PHYSICAL REVIEW B	JUL 19	2021
29	Chemistry, Multidisciplinary; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Kadam, Sujit A.; Giang Thi Phan; Duy Van Pham; Patil, Ranjit A.; Lai, Chien-Chih; Chen, Yan-Ruei; Liou, Yung; Ma, Yuan-Ron	Duy Van Pham*. 馬遠榮.賴建智	Doping-free bandgap tunability in Fe ₂ O ₃ nanostructured films	NANOSCALE ADVANCES	OCT 7	2021
30	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Thomas, Riya; Rao, Ashok; Jiang, Zhao-Ze; Kuo, Yung-Kang	郭永綱*	Effects of Bi doping on the electrical and thermal transport properties of Cu ₂ SnSe ₃	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	NOV 1	2021

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31	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Khalate, Suraj A.; Kadam, Sujit A.; Ma, Yuan-Ron; Pujari, Sachin S.; Patil, Umakant M.	馬遠榮	Cobalt doped iron phosphate thin film: An effective catalyst for electrochemical water splitting	JOURNAL OF ALLOYS AND COMPOUNDS	DEC 10	2021
32	Engineering, Mechanical	Joshi, Manoj D.; Patil, Ranjit A.; Ma, Yuan-Ron; Devan, Rupesh S.; Hosmani, Santosh S.	馬遠榮	Reciprocating Wear Behavior of Noncoated and Polymer/Composite Coated AISI 316L Steel: Role of Surface Mechanical Attrition Treatment	TRIBOLOGY TRANSACTIONS	SEP 3	2021
33	Physics, Multidisciplinary	Chu, Yue; Zhu, Chen-Ping; Zhou, Wen-Tao; Yin, Xiao- Gang; Li, You-Jun; Hu, Chin-Kun	胡進錕	A switching mechanism of the default-mode network in the brain at criticality	CHINESE JOURNAL OF PHYSICS	AUG	2021
34	Multidisciplinary Sciences	Huang, Chiao-Yi; Yu, Wei- Sheng; Liu, Geng-Chia; Hung, Shih-Che; Chang, Jen-Hsiang; Chang, Jen- Che; Cheng, Chia-Liang; Sun, Der-Shan; Lin, Ming- Der; Lin, Wen-Ying; Tzeng, Yin-Jeh; Chang, Hsin-Hou	鄭嘉良	Opportunistic gill infection is associated with TiO ₂ nanoparticle-induced mortality in zebrafish	PLOS ONE	JUL 20	2021
35	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Gandhi, AC; Tummala, S; Chiu, HH; Ho, MK; Li, TY; Chang, CK; Cheng, CL; Ho, YP; Wu, SY	吳勝允*.鄭嘉良. 何彥鵬	Sm-Doped NiO Nanoparticles for Magnetic Memory at Room Temperature	ACS APPLIED NANO MATERIALS	OCT 22	2021

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36	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Patil, AA; Descanzo, MJN; Agcaoili, JBA; Chiang, CK; Cheng, CL; Chang, HC; Peng, WP	彭文平*.鄭嘉良.江政剛	Carboxylated/Oxidized Diamond Nanoparticles for Quantifying Immunoglobulin G Antibodies Using Mass Spectrometry	ACS APPLIED NANO MATERIALS	SEP 24	2021
37	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering; Physics, Applied; Physics, Condensed Matter	Perevedentseva, E; Lin, YC; Karmenyan, A; Wu, KT; Lugovtsov, A; Shirshin, E; Priezhev, A; Cheng, CL	鄭嘉良*	Raman Spectroscopic Study of TiO ₂ Nanoparticles' Effects on the Hemoglobin State in Individual Red Blood Cells	MATERIALS	OCT	2021
38	Chemistry, Multidisciplinary	Thomas, SA; Kadam, SA; Ma, YR; Aravind, A	馬遠榮*	Photocatalytic Degradation of Malachite Green Dye Using Zinc Sulfide Nanostructures	CHEMISTRYSELECT	OCT 6	2021
39	Chemistry, Physical; Energy & Fuels; Materials Science, Multidisciplinary	Tarachand; Saxena, M; Okram, GS; Lakhani, A; Kuo, YK; Tyagi, S; Behera, P; Bhalrao, GM; Sathe, V; Deshpande, U	郭永綱	Enhanced thermoelectric performance of solution-grown Bi ₂ Te ₃ nanorods	MATERIALS TODAY ENERGY	SEP	2021
40	Chemistry, Physical	Chen, JR; Ke, TX; Frey, PA; Ke, SC	柯學初*	Electron Spin Echo Envelope Modulation Spectroscopy Reveals How Adenosylcobalamin-Dependent Lysine 5,6-Aminomutase Positions the Radical Pair Intermediates and Modulates Their Stabilities for Efficient Catalysis	ACS CATALYSIS	DEC 3	2021

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41	Chemistry, Inorganic & Nuclear	Kadam, SA; Thomas, SA; Ma, YR; Jose, LM; Sajan, D; Aravind, A	馬遠榮*	Investigation of adsorption and photocatalytic behavior of manganese doped zinc oxide nanostructures	INORGANIC CHEMISTRY COMMUNICATION S	DEC	2021
42	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Ahmed, I; Biswas, R; Patil, RA; Halder, KK; Singh, H; Banerjee, B; Kumar, B; Ma, YR; Haldar, KK	馬遠榮	Graphitic Carbon Nitride Composites with MoO ₃ - Decorated Co ₃ O ₄ Nanorods as Catalysts for Oxygen and Hydrogen Evolution	ACS APPLIED NANO MATERIALS	NOV 26	2021
43	Astronomy & Astrophysics; Physics, Particles & Fields	Hsieh, T; Lee, DS; Lin, CY	李大興*.林子強*	Gravitational time delay effects by Kerr and Kerr- Newman black holes in strong field limits	PHYSICAL REVIEW D	NOV 5	2021