

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Optics; Physics	Lu, CL; Hsiao, JT; Shiao, HT; Huang, TC; Chi, HC; Sun, HL; Huang, KN	紀信昌	Angular and polarization correlations in double-excitation resonances of Mg	JOURNAL OF PHYSICS B- ATOMIC MOLECULAR AND OPTICAL PHYSICS	14-Mar	2015
2	Biochemistry & Molecular Biology; Biophysics	Maity, AN; Ke, SC	柯學初*	4'-CyanoPLP presents better prospect for the experimental detection of elusive cyclic intermediate radical in the reaction of lysine 5,6-aminomutase	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	6-Feb	2015
3	Chemistry ; Materials Science; Physics	Patil, RB; Jatrakar, AA; Devan, RS; Ma, YR; Puri, RK; Puri, V; Yadav, JB	馬遠榮	Effect of pH on the properties of chemical bath deposited polyaniline thin film	APPLIED SURFACE SCIENCE	1-Feb	2015
4	Astronomy & Astrophysics; Physics	Chen, JW; Chi, HC; Huang, KN; Li, HB; Liu, CP; Singh, L; Wong, HT; Wu, CL; Wu, Y	劉承邦, 紀信昌	Constraining neutrino electromagnetic properties by germanium detectors	PHYSICAL REVIEW D	14-Jan	2015

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5	Chemistry ; Science & Technology - Other Topics; Materials Science; Physics	Perevedentseva, E; Peer, D; Uvarov, V; Zousman, B; Levinson, O	Perevedentseva, E	Nanodiamonds of Laser Synthesis for Biomedical Applications	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	FEB	2015
6	Chemistry ; Materials Science; Metallurgy & Metallurgical Engineering	Manjunatha, SO; Rao, A; Lin, TY; Chang, CM; Kuo, YK	郭永綱.張俊明	Effect of Ba substitution on structural, electrical and thermal properties of $La_{0.65}Ca_{0.35-x}Ba_xMnO_3$ ($0 \leq x \leq 0.25$) manganites	JOURNAL OF ALLOYS AND COMPOUNDS	15-Jan	2015
7	Science & Technology - Other Topics	Jiang, CW; Ni, IC; Tzeng, SD; Kuo, YK	曾賢德*	Nearly isotropic piezoresistive response due to charge detour conduction in nanoparticle thin films	SCIENTIFIC REPORTS	15-Jul	2015
8	Science & Technology - Other Topics	Limaye, MV; Chen, SC; Lee, CY; Chen, LY; Singh, SB; Shao, YC; Wang, YF; Hsieh, SH; Hsueh, HC; Chiou, JW; Chen, CH; Jang, LY; Chen, CH	鄭嘉良	Understanding of sub-band gap absorption of femtosecond-laser sulfur hyperdoped silicon using synchrotron-based techniques	SCIENTIFIC REPORTS	22-Jun	2015

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9	Biochemistry & Molecular Biology; Optics; Radiology, Nuclear Medicine & Medical Imaging	Chatterjee, A; Perevedentseva, E; Jani, M; Cheng, CY; Ye, YS; Chung, PH; Cheng, CL	鄭嘉良*	Antibacterial effect of ultrafine nanodiamond against gram-negative bacteria Escherichia coli	JOURNAL OF BIOMEDICAL OPTICS	MAY	2015
10	Biochemistry & Molecular Biology; Optics; Radiology, Nuclear Medicine & Medical	Kinnunen, M; Karmenyan, A	Karmenyan, Artashes	Overview of single-cell elastic light scattering techniques	JOURNAL OF BIOMEDICAL OPTICS	MAY	2015
11	Biochemistry & Molecular Biology; Optics; Radiology, Nuclear Medicine & Medical	Lin, YC; Perevedentseva, E; Cheng, CL	鄭嘉良*	Raman spectroscopic study on the excystation process in a single unicellular organism amoeba (Acanthamoeba polyphaga)	JOURNAL OF BIOMEDICAL OPTICS	MAY	2015
12	Science & Technology - Other Topics; Materials Science; Physics	Ji, JY; Shih, PH; Chan, TS; Ma, YR; Wu, SY	吳勝允* 馬遠榮	Magnetic Properties of Cluster Glassy Ni/NiO Core-Shell Nanoparticles: an Investigation of Their Static and Dynamic Magnetization	NANOSCALE RESEARCH LETTERS	28-May	2015
13	Physics	Lin, PY; Gandhi, AC; Wu, SY	吳勝允*	Size effect of strong-coupled superconducting In ₂ Bi nanoparticles: An investigation of short-range electron phonon coupling	JOURNAL OF APPLIED PHYSICS	7-May	2015

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14	Physics	Chang, CC; Chen, TK; Lee, WC; Lin, PH; Wang, MJ; Wen, YC; Wu, PM; Wu, MH	吳茂昆	Superconductivity in Fe-chalcogenides	PHYSICAL REVIEW LETTERS	15-Jul	2015
15	Optics; Physics	Hsiang, JT; Lee, DS; Lin, CY; Rivers, D	林子強* 李大興	Quantum sound-cone fluctuations in cold Fermi gases: Phonon propagation	PHYSICAL REVIEW A	27-May	2015
16	Chemistry	Maity, AN; Lin, HH; Chiang, HS; Lo, HH; Ke, SC	柯學初*	Reaction of Pyridoxal-5'-phosphate-N-oxide with Lysine 5,6-Aminomutase: Enzyme Flexibility toward Cofactor Analog	ACS CATALYSIS	MAY	2015
17	Chemistry	Ramachandrayulu, PVRK; Nimbalkar, DB; Kumar, JP; Prasad, GK; Ke, SC	柯學初	N-doped, S-doped TiO ₂ nanocatalysts: synthesis, characterization and photocatalytic activity in the presence of sunlight	RSC ADVANCES		2015
18	Biotechnology & Applied Microbiology; Science & Technology - Other Topics	Wu, MS, Sun, DS; Lin, YC; Cheng, CL; Hung, SC; Chen, PK; Yang, JH; Chang, H	鄭嘉良	Nanodiamonds protect skin from ultraviolet B-induced damage in mice	JOURNAL OF NANOBIO TECHNOLOGY	7-May	2015

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19	Materials Science; Optics	Lai, CC; Chang, CCF; Chen, SH; Yi, Kuo, CN;	賴建智*	Strain engineering at a crystal fiber laser-metal alloy interface: an ultra-sensitive crystal-fiber-based sensor	OPTICAL MATERIALS EXPRESS	1-May	2015
20	Physics	Tseng, CW; Wang, CM; Wang, CY; Chen, YR; Wang, LM; Lin, CF; Wu, KK; Kuo, YK; Lue, GS	郭永綱	Lattice distortion associated with Fermi-surface reconstruction in Sr ₃ Rh ₄ Sn ₁₃	PHYSICAL REVIEW B	30-Apr	2015
21	Chemistry	Mendiratta, S; Usman, M; Tseng, TW; Luo, TT; Lee, SF; Zhao, L; Wu, MK; Lee, MM; Sun, SS; Lin, YC; Lu, KL	吳茂昆	Low Dielectric Behavior of a Robust, Guest-Free Magnesium(II)-Organic Framework: A Potential Application of an Alkaline-Earth Metal Compound	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY	APR	2015
22	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Ramachandran, B; Chen, CH; Chang, PC; Kuo, YK; Chien, C; Wu, SK	郭永綱*	Thermal and transport properties of as-grown Ni-rich TiNi shape memory alloys	INTERMETALLICS	MAY	2015

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23	Science & Technology - Other Topics	Chakraborty, S; Hu, SY; Wu, SH; Karmenyan, A; Chiou, A	Karmenyan, Artashes	The Interaction Affinity between Vascular Cell Adhesion Molecule-1 (VCAM-1) and Very Late Antigen-4 (VLA-4) Analyzed by Quantitative FRET	PLOS ONE	20-Mar	2015
24	Science & Technology - Other Topics; Materials Science	Devan, RS; Ma, YR; Kim, JH; Bhattacharya, RN; Ghosh, KC	馬遠榮	Functional Nanomaterials for Energy Applications	JOURNAL OF NANOMATERIALS		2015
25	Engineering; Materials Science; Physics	Pawar, SA; Patil, DS; Pawar, UT; Devan, RS; Karanjkar, MM; Ma, YR; Shin, SW; Kim, JH; Patil, PS	馬遠榮	Photoelectrochemical solar cell based on surfactant mediated rutile TiO ₂ nanorods	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	APR	2015
26	Physics	Ramachandran, B; Wu, KK; Kuo, YK; Rao, MSR	郭永綱	Phonon thermal transport and phonon-magnon coupling in polycrystalline BiFeO ₃ systems	JOURNAL OF PHYSICS D-APPLIED PHYSICS	25-Mar	2015
27	Astronomy & Astrophysics; Physics	Yeh, CP; Hsiang, JT; Lee, DS	葉振斌* 李大興	Holographic influence functional and its application to decoherence induced by quantum critical theories	PHYSICAL REVIEW D	19-Feb	2015

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28	Chemistry ; Materials Science; Metallurgy & Metallurgical Engineering	Patil, DS, Pawar, SA; Patil, SK; Salavi, PP; Kolekar, SS; Devan, RS; Ma, YR; Kim, JH; Shin, JC; Patil, DC	馬遠榮	Electrochemical performance of potentiodynamically deposited polyaniline electrodes in ionic liquid	JOURNAL OF ALLOYS AND COMPOUNDS	15-Oct	2015
29	Geology; Meteorology & Atmospheric Sciences; Water Resources	Huang, WK; Wang, JJ	Huang, Wen-Kuei*	Typhoon damage assessment model and analysis in Taiwan	NATURAL HAZARDS	OCT	2015
30	Immunology; Microbiology; Respiratory System	Soo, PC, Horng, YT; Chen, AT; Yang, SC; Chang, KC; Lee, Wang,	彭文平*	Validation of nanodiamond-extracted CFP-10 antigen as a biomarker in clinical isolates of Mycobacterium tuberculosis complex in broth culture media	TUBERCULOSIS	SEP	2015
31	Physics	Wang, CH; Chen, TK; Chang, CC; Hsu, CH; Lee, YC; Wang, MJ; Wu, PM; Wu, MY	吳茂昆*	Disordered Fe vacancies and superconductivity in potassium-intercalated iron selenide ($K_{2-x}Fe_{4+y}Se_5$)	EPL	JUL	2015

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32	Physics	Yeh, PC; Lin, YW; Huang, YL; Hung, JH; Lin, BR; Yang, L; Wu, CH; Wu, TK; Wu, CH; Peng, LH Wu, MK,	黃玉林	Threshold voltage controlled by gate area and gate recess in inverted trapezoidal trigate AlGaIn/GaN MOS high-electron-mobility transistors with photoenhanced chemical and plasma-enhanced atomic layer deposition oxides	APPLIED PHYSICS EXPRESS	AUG	2015
33	Physics	Wu, PM; Wen, YC; Wang, MJ; Lin, PH; Lee, WC; Chen, TK; Chang, CG; Chen, GM;	吳茂昆*	An overview of the Fe-chalcogenide superconductors	JOURNAL OF PHYSICS D-APPLIED PHYSICS	19-Aug	2015
34	Chemistry	Jadhav, ST; Takale, MV; Patil, RA; Ma, YR; Rath, MC; Fulhari, VJ	馬遠榮	Photoelectrochemical cell studies of Fe ²⁺ doped ZnSe nanorods using the potentiostatic mode of electrodeposition	JOURNAL OF COLLOID AND INTERFACIAL SCIENCE	15-Nov	2015
35	Engineering; Materials Science; Physics	Lohar, GM; Dhaygude, HD; Patil, RA; Ma, YR; Fulhari, VJ	馬遠榮	Studies of properties of Fe ²⁺ doped ZnSe nano-needles for photoelectrochemical cell application	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	NOV	2015

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36	Chemistry	Gandhi, AC; Reddy, PM; Chan, TS; Hod, YP; Wu, SY	吳勝允*. 何彥鵬	Memory effect in weakly-interacting Fe ₃ O ₄ nanoparticles	RSC ADVANCES		2015
37	Astronomy & Astrophysics; Physics	Chen, JW; Chi, HC; Liu, CP; Wu, CL; Wu, CP	劉承邦*	Electronic and nuclear contributions in sub-GeV dark matter scattering: A case study with hydrogen	PHYSICAL REVIEW D	30-Nov	2015
38	Engineering; Physics	Dixit, A; Ramchandran, B; Kuo, YK; Lawes, G	郭永綱	Magnetic Structure and Thermal Conductivity of FeVO ₄ Multiferroic	IEEE TRANSACTIONS ON MAGNETICS	NOV	2015
39	Physics	Hsiang, JT; Hu, BL	Hsiang, J. -T	Nonequilibrium steady state in open quantum systems: Influence action, stochastic equation and power balance	ANNALS OF PHYSICS	NOV	2015
40	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Lonal, GM; Jadhav, ST; Dhaygude, HD; Takale, MV; Patil, RA; Ma, YR; Rath, MC;	馬遠榮	Studies of properties of Fe ³⁺ doped ZnSe nanoparticles and hollow spheres for photoelectrochemical cell application	JOURNAL OF ALLOYS AND COMPOUNDS	25-Dec	2015
41	Science & Technology - Other Topics	Ho, CH; Kuo, YM; Chan, CH; Ma, YR	馬遠榮	Optical Characterization of Strong UV Luminescence Emitted from the Excitonic Edge of Nickel Oxide Nanotowers	SCIENTIFIC REPORTS	28-Oct	2015