

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Materials Science; Physics	Shih, PH; Li, WH; Wu, SY	吳勝允*	Surface spin polarization induced ferromagnetic Ag nanoparticles	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	15-May	2016
2	Chemistry	Abbas, SJ; Ramacharyulu, PVRK; Ke, SC	柯學初*	MnO <sub>2</sub> /TiO <sub>2</sub> catalyzed synthesis of coenzyme pyridoxamine-5'-phosphate analogues: 3-deoxypyridoxamine-5'-phosphate	RSC ADVANCES		2016
3	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Kanne, NS; Kumar, A; Yusuf, SM; Nawale, AB; Gaikwad, SS; Raut, SA; Bhoraskar, SV; Wu, SY; Das, AK; Mathe, CH	吳勝允	Investigation of structural and magnetic properties of thermal plasma synthesized Fe <sub>1-x</sub> Ni <sub>x</sub> alloy nanoparticles	JOURNAL OF ALLOYS AND COMPOUNDS	5-Apr	2016
4	Physics	Chuang, FC; Hsu, CH; Chou, HL; Crisostomo, CP; Huang, ZQ; Wu, SY; Kuo, CC; Yeh, WCV; Lin, H;	葉旺奇	Prediction of two-dimensional topological insulator by forming a surface alloy on Au/Si(111) substrate	PHYSICAL REVIEW B	19-Jan	2016

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
5	Science & Technology - Other Topics	Chen, YS; Su, YC; Pan, W	Su, Yi-Cheng	Effect of spatial constraints on Hardy-Weinberg equilibrium	SCIENTIFIC REPORTS	14-Jan	2016
6	Science & Technology - Other Topics	Chakraborty, S; Nian, FS; Tsai, JW; Karmenyan, A; Chiou, A	Karmenyan, Artashes	Quantification of the Metabolic State in Cell-Model of Parkinson's Disease by Fluorescence Lifetime Imaging Microscopy	SCIENTIFIC REPORTS	13-Jan	2016
7	Chemistry	Gandhi, AC; Pant, J; Wu, SY	吳勝允	Dense inter-particle interaction mediated spontaneous exchange bias in NiO nanoparticles	RSC ADVANCES		2016
8	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Prasad, BD; Nagabhushana, H; Thyagarajan, K; Sharma, SC; Shivakumara, C; Gopal, NO; Nagabhushana, BM; Ke, SC; Chakradhar, RPS; Prabhakar	柯學初	Incorporation of Cr <sup>3+</sup> ions in tuning the magnetic and transport properties of nano zinc ferrite	JOURNAL OF ALLOYS AND COMPOUNDS	5-Feb	2016

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
9	Materials Science; Optics	Chen, LC; Yu, CT; Peng, YC; Hung, JJ; Chang, HM; Tzeng, SD; Wang, CM; Lin, CC; Lin, CU	林楚軒*. 曾賢德. 王智明. 林群傑	Antireflection with graphene oxide	OPTICAL MATERIALS EXPRESS	1-Jan	2016
10	Chemistry; Science & Technology - Other Topics; Materials Science;	Patil, RA; Su, CW; Chuang, CJ; Lai, CC; Liou, Y; Ma, YR	馬遠榮*. 莊沁融. 賴建智	Terahertz spin-wave waveguides and optical magnonics in one-dimensional NiO nanorods	NANOSCALE		2016
11	Chemistry	Devan, RS; Ma, YR; Patil, RA; Lukas, CM	馬遠榮*	Highly stable supercapacitive performance of one-dimensional (1D) brookite TiO <sub>2</sub> nanoneedles	RSC ADVANCES		2016
12	Chemistry; Materials Science; Metallurgy & Metallurgical Engineering	Wu, KK; Ramachandran, B; Kuo, YK; Sankar, R; Chou, FC	郭永綱*	Influence of induced defects on transport properties of the Bridgman-grown Bi <sub>2</sub> Se <sub>3</sub> -based single crystals	JOURNAL OF ALLOYS AND COMPOUNDS	15-Oct	2016
13	Astronomy & Astrophysics;	Yeh, CP; Lee, DS	葉振斌*. 李大興	Subvacuum effects in quantum critical theories from a holographic approach	PHYSICAL REVIEW D	29-Jun	2016

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
14	Astronomy & Astrophysics; Physics	Kerman, S; Sharma, V; Deniz, M; Wong, HT; Chen, JW; Li, HB; Lin, ST; Liu, CP; Y	劉承邦	Coherency in neutrino-nucleus elastic scattering	PHYSICAL REVIEW D	8-Jun	2016
15	Physics	Lue, CS; Kuo, CN; Tseng, CW; Wu, KK; Liang, YH; Du, CH; Kuo, YK	郭永綱	Comparative study of thermodynamic properties near the structural phase transitions in Sr3Rh4Sn13 and Sr3Ir4Sn13	PHYSICAL REVIEW B	8-Jun	2016
16	Astronomy & Astrophysics; Physics	Chen, JW; Chi, HC; Lin, ST; Liu, CP; Singh, L; Wong, HT; Wu, CL; Wu, CP	劉承邦* 紀信昌	Atomic ionization by sterile-to-active neutrino conversion and constraints on dark matter sterile neutrinos with germanium detectors	PHYSICAL REVIEW D	19-May	2016
17	Physics; Spectroscopy	Patil, AA; Jiang, SC; Yen, KC; Chou, SW; Cheng, CY; Peng, WP	彭文平*	Ion velocities of laser desorbed ions passing through quadrupole electric fields	INTERNATIONAL JOURNAL OF MASS SPECTROMETRY	25-Apr	2016

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
18	Biochemistry & Molecular Biology	Huang, JY; Chiu, YF; Ortega, JM; Wang, HT; Tseng, TS; Ke, SC; Roncel, M; Chu, H	柯學初	Mutations of Cytochrome b(559) and PsbJ on and near the Q(C) Site in Photosystem II Influence the Regulation of Short-Term Light Response and Photosynthetic Growth of the Cyanobacterium Synechocystis sp PCC 6803	BIOCHEMISTRY	19-Apr	2016
19	Materials Science	Burungale, VV; Devan, RS; Pawar, SA; Harale, NS; Patil, VL; Rao, VK; Ma, YR; Ae, JE; Kim, JH; Patil, PS	馬遠榮	Chemically synthesized PbS nanoparticulate thin films for a rapid NO2 gas sensor	MATERIALS SCIENCE-POLAND	MAR	2016
20	Chemistry	Lo, HH; Lin, HH; Maity, AN; Ke, SC	柯學初*	The molecular mechanism of the open-closed protein conformational cycle transitions and coupled substrate binding, activation and product release events in lysine 5,6-aminomutase	CHEMICAL COMMUNICATIONS		2016
21	Science & Technology - Other Topics; Materials Science	Patil, RA; Chang, CP; Devan, RS; Liou, Y; Ma, YR	馬遠榮*	Impact of Nanosize on Supercapacitance: Study of 1D Nanorods and 2D Thin-Films of Nickel Oxide	ACS APPLIED MATERIALS & INTERFACES	20-Apr	2016

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
22	Materials Science	Pawake, A; Mayabadi, A; Waykar, R; Kulkarni, R; Jadhavar, A; Waman, V; Parmar, J; Bhattacharyya, S; Ma, YR; Devan, R; Pathan, H; Jadkar, S	馬遠榮	Growth of boron doped hydrogenated nanocrystalline cubic silicon carbide (3C-SiC) films by Hot Wire-CVD	MATERIALS RESEARCH BULLETIN	APR	2016
23	Engineering; Materials Science; Physics	Snat, IS, Vanalakar, SA; Devan, RS; Mali, SS; Pawar, SA; Ma, YR; Hong, CK; Kim, JH; Patil, PS	馬遠榮	Compact nanoarchitectures of lead selenide via successive ionic layer adsorption and reaction towards optoelectronic devices	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	MAY	2016
24	Chemistry	Nimbalkar, DB; Lo, HH; Ramacharyulu, PVRK; Ke, SC	柯學初*	Improved photocatalytic activity of RGO/MoS2 nanosheets decorated on TiO2 nanoparticles	RSC ADVANCES		2016
25	Physics	Shih, PH; Cheng, CL; Ma, YR; Wu, SY	吳勝允*. 鄭嘉良.馬遠榮	Short range correlation length study in a single ZnO nanowire and its impact on phonon confinement	APPLIED PHYSICS LETTERS	14-Mar	2016

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
26	Physics	Wu, SY; Shih, PH; Ji, JY; Chan, TS; Yang, CC	吳勝允*	Direct observation of charge re-distribution in a MgB2 superconductor	SUPERCONDUCTOR SCIENCE & TECHNOLOGY	APR	2016
27	Chemistry ; Science & Technology - Other Topics; Materials Science	Kakade, SG; Ma, YR; Devan, RS; Kolekar, YD; Ramana, CV	馬遠榮	Dielectric, Complex Impedance, and Electrical Transport Properties of Erbium (Er <sup>3+</sup> ) Ion-Substituted Nanocrystalline, Cobalt-Rich Ferrite (Co <sub>1.1</sub> Fe <sub>1.9-x</sub> Er <sub>x</sub> O <sub>4</sub> )	JOURNAL OF PHYSICAL CHEMISTRY C	17-Mar	2016
28	Physics	Ramachandran, B; Jhiang, JY; Kuo, YK; Kuo, CN; Lue, CS	郭永綱*	Electrical and thermal transport properties of Nb- and Ru-substituted Mo <sub>3</sub> Al <sub>2</sub> C superconducting compounds	SUPERCONDUCTOR SCIENCE & TECHNOLOGY	MAR	2016
29	Chemistry ; Science & Technology - Other Topics; Materials Science;	Pham, DV; Patil, RA; Lin, JH; Lai, CC; Liou, Y; Ma, YR	馬遠榮*. 賴建智	Doping-free bandgap tuning in one-dimensional Magneli-phase nanorods of Mo <sub>4</sub> O <sub>11</sub>	NANOSCALE		2016
30	Materials Science; Physics	Gandhi, AC; Wu, SY	吳勝允*	Strong superconducting strength in epsilon-PbBi microcubes	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	1-Jun	2016
31	Energy & Fuels; Materials Science; Physics	Patil, RA; Devan, RS; Liou, Y; Ma, YR	馬遠榮*	Efficient electrochromic smart windows of one-dimensional pure brookite TiO <sub>2</sub> nanoneedles	SOLAR ENERGY MATERIALS AND SOLAR CELLS	APR	2016

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
32	Chemistry ; Science & Technology - Other Topics; Materials Science;	Pan, KA; Wei, MK; Yeh, PH; Liang, JB; Gao, WT; Lin, JH; Liou, Y; Ma, YD	馬遠榮* 魏茂國	Size-controllable synthesis of Bi/Bi2O3 heterojunction nanoparticles using pulsed Nd:YAG laser deposition and metal-semiconductor-heterojunction-assisted photoluminescence	NANOSCALE	14-Feb	2016
33	Chemistry ; Materials Science; Metallurgy & Metallurgical Engineering	Gandhi, AC; Chan, TS; Wu, SY	吳勝允*	Structural phase transition in InSn nanoalloys and its impact on superconducting properties	JOURNAL OF ALLOYS AND COMPOUNDS	15-Dec	2016
34	Materials Science	Prasad, KS; Rao, A; Gahtori, B; Bathula, S; Dhar, A; Du, JS; Kuo, YK	郭永綱*	The low and high temperature thermoelectric properties of Sb doped Cu2SnSe3	MATERIALS RESEARCH BULLETIN	NOV	2016
35	Biochemistry & Molecular Biology; Chemistry	Ysa, LW; Lin, YC; Perevedentseva, E; Lugovtsov, A; Priezhev, A; Cheng, C	鄭嘉良*	Nanodiamonds for Medical Applications: Interaction with Blood in Vitro and in Vivo	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	JUL	2016
36	Optics	Huang, HJ; Zhen, SY; Li, PY; Tzeng, SD; Chiang, HP	曾賢德	Confined migration of induced hot electrons in Ag/graphene/TiO2 composite nanorods for plasmonic photocatalytic reaction	OPTICS EXPRESS	11-Jul	2016



NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
37	Physics	Manjunatha, SO; Rao, A; Poornesh, P; Lin, WJ; Kuo, YK	郭永綱*	Magnetic inhomogeneity and Griffiths phase in Bi substituted La <sub>0.65-x</sub> Bi <sub>x</sub> Ca <sub>0.35</sub> MnO <sub>3</sub> manganites	PHYSICA B-CONDENSED MATTER	1-Oct	2016
38	Chemistry	Xiong, CQ; Zhou, XY; He, Q; Huang, X; Wang, JY; Peng, WP; Chang, HSEN	彭文平	Development of Visible-Wavelength MALDI Cell Mass Spectrometry for High-Efficiency Single-Cell Analysis	ANALYTICAL CHEMISTRY	6-Dec	2016
39	Computer Science; Physics	HSEN, YH; Chen, CN; Hu, CZ	陳企寧*	Efficient algorithm for computing exact partition functions of lattice polymer models	COMPUTER PHYSICS COMMUNICATIONS	DEC	2016
40	Biochemistry & Molecular Biology; Biophysics; Optics	Lin, YC; Wu, KT; Lin, ZR; Perevedentseva, E; Karmenyan, A; Lin, MD; Cheng, CL	鄭嘉良*	Nanodiamond for biolabelling and toxicity evaluation in the zebrafish embryo in vivo	JOURNAL OF BIOPHOTONICS	AUG	2016
41	Physics	Kuo, CN; Lee, HW; Wei, CM; Lin, YH; Kuo, YK; Lue, CS	郭永綱*	Ru <sub>2</sub> NbGa: A Heusler-type compound with semimetallic characteristics	PHYSICAL REVIEW B	9-Nov	2016

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
42	Chemistry	Devan, RS; Ma, YR; More, MA; Khare, RT; Antad, VV; Patil, RA; Thakare, VP; Dhayal, RS; Schmidt-Christopher, B;	馬遠榮*	Promising field electron emission performance of vertically aligned one dimensional (1D) brookite (beta) TiO2 nanorods	RSC ADVANCES		2016
43	Physics	Rao, A; Petwal, VC; Verma, VP; Dwivedi, J; Lin, WL; K	郭永綱*	Influence of electron beam irradiation on electrical, structural, magnetic and thermal properties of Pr0.8Sr0.2MnO3 manganites	PHYSICAL B-CONDENSED MATTER	1-Dec	2016
44	Physics	Lee, DS; Yeh, CP	李大興*. 葉振斌	A holographic description of negative energy states	JOURNAL OF HIGH ENERGY PHYSICS	12-Sep	2016
45	Chemistry ; Materials Science	Anneel, AI; Mandal, S; Gines, L; Williams, OA; Cheng, G	鄭嘉良*	Low temperature catalytic reactivity of nanodiamond in molecular hydrogen	CARBON	DEC	2016
46	Optics	Lai, CC; Lo, CY; Nguyen, DH; Huang, JZ; Tsai, WS; Ma, YR	賴建智*. 馬遠榮	Atomically smooth hybrid crystalline-core glass-clad fibers for low-loss broadband wave guiding	OPTICS EXPRESS	5-Sep	2016

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
47	Materials Science; Metallurgy & Metallurgical Engineering	Chien, C; Tsao, CS; Wu, SK; Chang, CY; Chang, PC; Kuo, YK	郭永綱	Characteristics of the strain glass transition in as-quenched and 250 degrees C early-aged Ti48.7Ni51.3 shape memory alloy	ACTA MATERIALIA	NOV	2016
48	Science & Technology - Other Topics	Chuang, CJ; Liu, CD; Patil, RA; Wu, CC; Chang, YC; Peng, CW; Chao, TK; Liou, JW; Liou, Y. M.	莊沁融* 馬遠榮	Impact of cuticle photoluminescence on the color morphism of a male damselfly <i>Ischnura senegalensis</i> (Rambur, 1842)	SCIENTIFIC REPORTS	14-Dec	2016

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Chemistry , Multidisciplinary	Jamatia, R;Gupta, A; Mahato, M; Patil, RA; Ma, YR; Pal, AK	馬遠榮	A Metalloprotein Inspired Ruthenium Complex as an Efficient and Reusable Catalyst for Selective Oxidation of Alcohols to their Corresponding Carbonyl Compounds	CHEMISTRY SELECTION	1-Nov	2016
2	Chemistry , Multidisciplinary	Lai, CC; Lo, CY; Hsieh, TH; Tsai, WS; Nguyen, DH ; Ma, YR	賴建智* 馬遠榮	A Metalloprotein Inspired Ruthenium Complex as an Efficient and Reusable Catalyst for Selective Oxidation of Alcohols to their Corresponding Carbonyl Compounds	ACS Omega	OCT	2016