

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Engineering; Materials Science; Physics	Basha, MH; Gopal, NO; Nimbalkar, DB; Ke, SC	柯學初	Phosphorus and boron codoping into TiO ₂ nanoparticles; an avenue for enhancing the visible light photocatalytic activity	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	JAN	2017
2	Chemistry ; Physics	Snyder, DT; Peng, WP; Cooks, RG	彭文平	Resonance methods in quadrupole ion traps	CHEMICAL PHYSICS LETTERS	16-Jan	2017
3	Physics	Ramachandran, B; Wu, KK; Kuo, YK; Guo, LS; Wang, LM	郭永綱*	Compositional effects on the low-temperature transport properties of non-stoichiometric Bi ₂ Te ₃ -based crystals	JOURNAL OF PHYSICS D-APPLIED PHYSICS	18-Jan	2017
4	Biochemistry & Molecular Biology; Chemistry ; Spectroscopy	Patil, AA; Chou, SW; Chang, PY; Lee, CW; Cheng, CY; Chu, ML; Peng, WP	彭文平*	High Mass Ion Detection with Charge Detector Coupled to Rectilinear Ion Trap Mass Spectrometer	JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY	JUN	2017
5	Chemistry	Gandhi, AC; Wu, SY	吳勝允*	Unidirectional anisotropy mediated giant memory effect in antiferromagnetic Cr ₂ O ₃ nanorods	RSC ADVANCES		2017
6	Science & Technology - Other Topics; Materials Science; Physics	Gandhi, AC; Chan, TS; Pant, J; Wu, SY	吳勝允*	Strong Pinned-Spin-Mediated Memory Effect in NiO Nanoparticles (vol 12, 207, 2017)	NANOSCALE RESEARCH LETTERS	5-May	2017

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
7	Chemistry ; Engineering	Abbas, SJ; Ramacharyulu, PVRK; Lo, HH; Ali, SI; Kuo, YK	柯學初*	A catalytic approach to synthesis of PLP analogs and other environmental protocols in a single handed CaO/TiO ₂ green nanoparticle	APPLIED CATALYSIS B- ENVIRONMENTAL	5-Aug	2017
8	Physics	Daivajna, MD; Rao, A; Lin, WJ; Kuo, YK	郭永綱*	Study of electrical and magnetic properties of Pr _{0.6-x} BixSr _{0.4} MnO ₃ (x=0.20 and 0.25)	PHYSICAL B- CONDENSED MATTER	1-Jun	2017
9	Chemistry ; Materials Science; Metallurgy & Metallurgical Engineering	Chang, PC; Ko, ML; Ramachandran, B; Kuo, YK; Chien, C; Wu, SK	郭永綱*	Comparative study of R-phase martensitic transformations in TiNi-based shape memory alloys induced by point defects and precipitates	INTERMETALLICS	MAY	2017
10	Chemistry	Ho, CH, Chen, YH; Kuo, YK; Liu, CW; Yang, TY;	郭永綱. 劉鎮維	The structure and opto-thermo electronic properties of a new (Bi(Bi ₂ S ₃)(₉)I-3)(₂ / ₃) hexagonal nano-	CHEMICAL COMMUNICATIONS	4-Apr	2017
11	Chemistry ; Materials Science; Metallurgy & Metallurgical Engineering	Zhuang, YC; Ramachandran, B; Chen, WT; Shu, GJ; Hu, CD; Chou, FC; Kuo, YK	郭永綱*	Effect of Co substitution on thermoelectric properties of FeSi	JOURNAL OF ALLOYS AND COMPOUNDS	25-Apr	2017

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
12	Physics	Kumar, S; Coondoo, I; Rao, A; Lu, BH; Kuo, YK; Kholkin, AL; Panwar, N	郭永綱*	Impact of low level praseodymium substitution on the magnetic properties of YCrO3 orthochromites	PHYSICA B-CONDENSED MATTER	1-Apr	2017
13	Science & Technology - Other Topics; Materials Science; Physics	Gandhi, AC; Chan, TS; Pant, J; Wu, SY	吳勝允*	Strong Pinned-Spin-Mediated Memory Effect in NiO Nanoparticles	NANOSCALE RESEARCH LETTERS	21-Mar	2017
14	Chemistry ; Physics	Lee, HW, Chang, CM; Hsing, CB	張俊明*	Puzzle of magnetic moments of Ni clusters revisited using quantum Monte Carlo method	JOURNAL OF CHEMICAL PHYSICS	28-Feb	2017
15	Science & Technology - Other Topics; Materials Science; Physics	Shih, PH; Wu, SY	吳勝允*	The Influence of Short-Range Correlation on the Phonon Confinement of a Single ZnO Nanowire	NANOSCALE RESEARCH LETTERS	8-Apr	2017
16	Chemistry	Dam, B; Patil, RA; Ma, YR; Pal, AK	馬遠榮	Preparation, characterization and catalytic application of nano-Fe3O4-DOPA-SnO2 having high TON and TOF for non-toxic and sustainable synthesis of dihydroquinazolinone derivatives	NEW JOURNAL OF CHEMISTRY	21-Jul	2017
17	Materials Science	Jiang, CW; Ni, IC; Hsieh, YL; Tzeng, SD; Wu, CS; Kuo, W	曾賢德	Anderson Insulators in Self-Assembled Gold Nanoparticles Thin Films: Single Electron Hopping between Charge Puddles Originated from Disorder	MATERIALS	JUN	2017

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
18	Science & Technology - Other Topics	Gandhi, AC; Wu, SY	吳勝允*	Routes to probe Bismuth induced strong-coupling superconductivity in bimetallic Biln alloys	SCIENTIFIC REPORTS	25-Aug	2017
19	Science & Technology - Other Topics; Materials Science	Shih, PH; Wu, SY	吳勝允*	Growth Mechanism Studies of ZnO Nanowires: Experimental Observations and Short-Circuit Diffusion Analysis	NANOMATERIALS	JUL	2017
20	Biochemistry & Molecular Biology; Biophysics; Optics	Huang, KJ; Lee, CY; Lin, YC; Lin, CY; Perevedentseva, E; Hung, SF; Cheng, CL	鄭嘉良*.Huang, KJ	Phagocytosis and immune response studies of Macrophage-Nanodiamond Interactions in vitro and in vivo	JOURNAL OF BIOPHOTONICS	OCT	2017
21	Materials Science	Pradeep, R; Gandhi, AC; Tejabharam, Y; Sahib, IKMM; Shimura, Y; Karmakar, L; Das, D; Wu, SY; Hayakawa, Y	吳勝允	Magnetic anomalies in Fe-doped NiO nanoparticle	MATERIALS RESEARCH EXPRESS	SEP	2017

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
22	Physics	Prasad, KS; Rao, A; Gahtori, B; Bathula, S; Dhar, A; Chang, CC; Kuo, YK	郭永綱*	Low-temperature thermoelectric properties of Pb doped Cu ₂ SnSe ₃	PHYSICA B-CONDENSED MATTER	SEP	2017
23	Physics	Gandhi, AC; Chan, TS; Wu, SY	吳勝允*	Phase diagram of PbBi alloys: structure-property relations and the superconducting coupling	SUPERCONDUCTOR SCIENCE & TECHNOLOGY	OCT	2017
24	Chemistry ; Science & Technology - Other Topics; Materials Science; Physics	Gines, L; Mandal, S; Ashek-I-Ahmed; Cheng, CL; Sow, M; Williams, OA	鄭嘉良	Positive zeta potential of nanodiamonds	NANOSCALE	14-Sep	2017
25	Science & Technology - Other Topics; Materials Science	Gandhi, AC; Wu, SY	吳勝允*	Strong Deep-Level-Emission Photoluminescence in NiO Nanoparticles	NANOMATERIALS	AUG	2017
26	Physics	Tseng, CW; Kuo, CN; Lee, HW; Chen, KF; Huang, RC; Wei, CM; Kuo, YK; Lue, CS	郭永綱*	Semimetallic behavior in Heusler-type Ru ₂ TaAl and thermoelectric performance improved by off-stoichiometry	PHYSICAL REVIEW B	5-Sep	2017

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
27	Science & Technology - Other Topics	Ramachandran, B; Chang, PC; Kuo, YK; Chien, C; Wu, SK	郭永綱*	Characteristics of martensitic and strain-glass transitions of the Fe-substituted TiNi shape memory alloys probed by transport and thermal measurements	SCIENTIFIC REPORTS	27-Nov	2017
28	Astronomy & Astrophysics; Physics	Liu, CY; Lee, DS; Lin, CY	林子強* 李大興	Geodesic motion of neutral particles around a Kerr-Newman black hole	CLASSICAL AND QUANTUM GRAVITY	7-Dec	2017
29	Chemistry	Ramacharyulu, PVRK; Abbas, SJ; Ke, SC	柯學初*	Enhanced charge separation and photoactivity in heterostructured g-C ₃ N ₄ : a synergistic interaction in environmental friendly CaO/g-C ₃ N ₄	CATALYSIS SCIENCE & TECHNOLOGY	7-Nov	2017
30	Physics	Kao, A, Manjunatha, SO; Bhatt, RC; Awana, VPS; Lin, CF; Kuo, YK; Poornesh, P	郭永綱*	Thermal properties of Pr ₂ /3Sr ₁ /3MnO ₃ manganites: PdO composites	SOLID STATE COMMUNICATIONS	OCT	2017
31	Biotechnology & Applied Microbiology	Lin, YC; Lin, ZR; Chang, CC; Perevedentseva, E; Cheng, CL	鄭嘉良	Diamond nanoparticles for image-guided drug delivery application	JOURNAL OF BIOTECHNOLOGY	30-Aug	2017
32	Biotechnology & Applied Microbiology	Lin, ZR; Lin, YC; Lin, YC; Wu, KT; Elena, P; Cheng, CL	鄭嘉良	Nanodiamond-mediated drug delivery in 2D-and 3D-cultured cellular models	JOURNAL OF BIOTECHNOLOGY	30-Aug	2017

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
33	Science & Technology - Other Topics; Materials Science; Physics	Chao, WH; Ying, CC; Chen, HY; Li, J; Wang, CF; Lin, JJ; Tseng, CM; Wang, MJ; Wu, MK	Li, Jie, Wang, Chia-Feng, 吳茂昆	Growth and Superconducting Characteristics of Novel BiS ₂ -Based Layered Superconductor Bi ₄ O ₄ S ₃	SCIENCE OF ADVANCED MATERIALS	OCT	2017
34	Science & Technology - Other Topics	Chakraborty, S; Karmenyan, A; Tsai, JW; Chiou, A	Karmenyan, Artashes	Inhibitory effects of curcumin and cyclocurcumin in 1-methyl-4-phenylpyridinium (MPP+) induced neurotoxicity in differentiated PC12 cells	SCIENTIFIC REPORTS	5-Dec	2017
35	Science & Technology - Other Topics; Materials Science; Physics	Huang, ST; Lai, CC; Sheu, FW; Tsai, WS	賴建智	Characterization of long-range plasmonic waveguides at visible to near-infrared regime	AIP ADVANCES	DEC	2017
36	Astronomy & Astrophysics; Physics	Chen, JW; Chi, HC; Liu, CP; Wu, CP	劉承邦	Low-energy electronic recoil in xenon detectors by solar neutrinos	PHYSICS LETTERS B	10-Nov	2017
37	Science & Technology - Other Topics; Materials Science	Shih, PH; Li, TY; Yeh, YC; Wu, SY	吳勝允*	Phonon Confinement Induced Non-Concomitant Near-Infrared Emission along a Single ZnO Nanowire: Spatial Evolution Study of Phononic and Photonic Properties	NANOMATERIALS	NOV	2017

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
38	Chemistry	Thomas, ELH; Mandal, S; Ashek-I-Ahmed; Macdonald, JE; Dane, TG; Rawle, J; Cheng, CL; Williams, CA	鄭嘉良	Spectroscopic Ellipsometry of Nanocrystalline Diamond Film Growth	ACS OMEGA	OCT	2017

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Chemistry	Devan, RS; Thakare, VP; Antad, VV; Chikate, PR; Khare, RT; More, MA; Dhayal, RS; Patil, SI; Ma, YR; Schmidt-	馬遠榮	Nano-Heteroarchitectures of Two-Dimensional MoS ₂ @ One-Dimensional Brookite TiO ₂ Nanorods: Prominent Electron Emitters for Displays	ACS OMEGA	JUN	2017
2	Physics	Asmish C. Gandhi, Ting-Shan Chan & Sheng	吳勝允*	Phase diagram of PbBi alloys: Structure-property relations and the superconducting coupling	SUPERCONDUCTOR SCIENCE & TECHNOLOGY	OCT	2017