

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Materials Science, Multidisciplinary	Krushna, BRR; Sharma, SC; Prasad, BD; Sridhar, C; Varalakshmi, S; George, A; Francis, D; Sivashanmugam, T; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	A new strategy to boost luminescent markers for LFP detection and anti-counterfeiting applications using flux assisted BaLa2ZnO5: Eu3+phosphor	MATERIALS RESEARCH BULLETIN	FEB	2024
2	Chemistry, Analytical; Electrochemistry; Instruments & Instrumentation	Hingangavkar, GM; Kadam, SA; Ma, YR; Selvaraj, M; Mulik, RN; Patil, VB	馬遠榮	On the behavior of MoS2-rGO nanocomposites for chemiresistive H2S detection at room temperature	SENSORS AND ACTUATORS B-CHEMICAL	JAN 15	2024
3	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Huong, VH; Loan, TT; Pham, KP; Ha, MN; Nguyen, QH; Ma, YR; Ngac, AB; Nguyen, V	馬遠榮	Unveiling the synergistic interplay of appropriate oxygen vacancies and S-scheme heterojunction structures in OV <sub>s</sub> -TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> catalyst for efficient RhB photodegradation and H <sub>2</sub> production	JOURNAL OF ALLOYS AND COMPOUNDS	JAN 25	2024
4	Materials Science, Multidisciplinary; Physics, Condensed Matter	Mamatha, GR; Krushna, BRR; Malleshappa, J; Sharma, SC; Kumar, S; Krithika, C; Nadar, NR; Francis, D; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Investigating the influence of mono-, di-, and trivalent co-dopants (Li plus , Na+, K+, Ca2+, Bi3+) on the photoluminescent properties and their prospective role in data security applications for SrAl2O4:Tb3+nanophosphors synthesized via an eco-friendly combustion method	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	JAN	2024

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
5	Chemistry, Inorganic & Nuclear	Girisha, HR; Daruka, B; Radha, BR; Sujatha, HM; Devaraja, S; Sharma, SC; Sridhar, C; Francis, D; Manjunatha, K; Wu, SY; Kumar, GV; Nagabhushana, H	吳勝允	Versatile properties of BaGd2ZnO5:Ho3+nanomaterial: Compatible towards solid state lightening, anti-counterfeiting and biomedical applications	INORGANIC CHEMISTRY COMMUNICATIONS	JAN	2024
6	Chemistry, Inorganic & Nuclear	Krushna, BRR; Sharma, SC; Joy, FD; Sanjana, MR; Sujatha, HM; Devaraja, S; Mishra, S; Jena, AK; Manjunatha, K; Wu, SY; Manjunatha, CN; Nagabhushana, H	吳勝允	Designing energy transfer-based color-tunable, information-encrypting, luminous hydro-gels, and latent fingerprint detection systems using BaLa2ZnO5:Tb3+, Bi3+ nanophosphors	INORGANIC CHEMISTRY COMMUNICATIONS	JAN	2024
7	Chemistry, Inorganic & Nuclear; Chemistry, Physical	Shanubhogue, UD; Mangavati, S; Rao, A; Tsao, RT; Kuo, YK	郭永綱	Enhanced power factor and thermoelectric efficiency in Cu2Sn1- xYxSe3 system: A low-temperature study	JOURNAL OF SOLID STATE CHEMISTRY	JAN	2024
8	Chemistry, Multidisciplinary	Pearl, WG; Selvam, R; Karmenyan, AV; Perevedentseva, EV; Hung, SC; Chang, HH; Shushunova, N; Prikhodzhenko, ES; Bratashov, D; Tuchin, VV; Cheng, CL	鄭嘉良*	Berberine mediated fluorescent gold nanoclusters in biomimetic erythrocyte ghosts as a nanocarrier for enhanced photodynamic treatment	RSC ADVANCES	JAN 17	2024

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
9	Green & Sustainable Science & Technology; Materials Science, Multidisciplinary	Krushna, BRR; Chiu, HH; Ho, MK; Hsu, TE; Lyu, BL; Lo, WC; Subramanian, B; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允*	Investigating Fe-doped yttrium oxide nanophosphors for enhanced latent fingerprint visualization and deep learning analysis	MATERIALS TODAY SUSTAINABILITY	MAR	2024
10	Chemistry, Multidisciplinary	Selvam, R; Pearl, WG; Perevedentseva, E; Karmenyan, A; Cheng, CL	鄭嘉良*	Fe-doped nanodiamond-based photo-Fenton catalyst for dual-modal fluorescence imaging and improved chemotherapeutic efficacy against tumor hypoxia	RSC ADVANCES	JAN 23	2024
11	Optics	Perevedentseva, E; Melnik, N; Muronets, E; Averyushkin, A; Karmenyan, A; Elanskaya, I	Karmenyan, Artashes	Raman spectroscopy with near IR excitation for study of structural components of cyanobacterial phycobilisomes	JOURNAL OF LUMINESCENCE	JAN	2024
12	Materials Science, Multidisciplinary; Physics, Applied	Chang, CM	張俊明*	Exploring thermal properties of PbSnTeSe and PbSnTeS high entropy alloys with machine-learned potentials	MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING	APR 1	2024
13	Chemistry, Multidisciplinary; Materials Science, Multidisciplinary	Ho, MK; Chiu, HH; Hsu, TE; Chethan, B; Yu, SL; Jheng, CY; Chin, CE; Selvam, R; Angadi, VJ; Cheng, CL; Nagabhushana, H; Manjunatha, K; Wu, SY	吳勝允*.鄭嘉良	Advancing humidity sensing and magnetocaloric properties of spinel structural CoCr2O4 nanoparticles achieved via innovative bismuth doping by combustion synthesis	MATERIALS TODAY CHEMISTRY	JAN	2024

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14	Materials Science, Multidisciplinary	Godse, PR; Kadam, SA; Nimbalkar, TM; Jadhav, YM; Jadhao, YB; Ma, YR; Patil, VB	馬遠榮	Ultra-responsive and highly sensitive 1D ZnO nanotubes for detecting perilous low levels of NO <sub>2</sub> gas	MATERIALS ADVANCES	FEB 5	2024
15	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Koyale, PA; Kulkarni, SP; Gunjekar, JL; Dongale, TD; Sutar, SS; Soni, SS; Kapdi, YG; Nath, RR; Mulik, SV; Delekar, SD	Nath, Ragesh R.	ZnO Nanorod/Multiwalled Carbon Nanotube Composites Sensitized with Cu-Based Metal-Organic Frameworks as Photoanodes for Solar-Driven Water Splitting	ACS APPLIED NANO MATERIALS	JAN 18	2024
16	Physics, Particles & Fields	Dai, DC; Stojkovic, D	戴德昌*	Superluminal propagation along the brane in space with extra dimensions	EUROPEAN PHYSICAL JOURNAL C	FEB 20	2024
17	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Saravanan, L; Anand, P; Fu, YP; Ma, YR; Yeh, WC	葉旺奇*.馬遠榮. 傅彥培	Enhancing the Hydrogen Evolution Performance of Tungsten Diphosphide on Carbon Fiber through Ruthenium Modification	ACS APPLIED MATERIALS & INTERFACES	FEB 29	2024
18	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Manjunatha, K; Ho, MK; Hsu, TE; Kumar, A; Wu, SY; Hardi, SS; Chethan, B; Prasad, V; Pandit, B; Ubaidullah, M; Manjunatha, SO; Basavegowda, N; Angadi, VJ	吳勝允*	Structure, microstructure, and enhanced sensing behavior of nickle ferrite-cobalt chromate for humidity sensor applications	JOURNAL OF MATERIALS SCIENCE- MATERIALS IN ELECTRONICS	MAR	2024

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19	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Krushna, BRR; Sharma, SC; Sivaganesh, D; Varalakshmi, VS; Francis, D; Shivakumar, V; Devaraja, S; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Enhancing photoluminescence in ZrO <sub>2</sub> :Eu <sup>3+</sup> phosphor Co-doped with mono/di/trivalent ions for flexible displays, advanced data security, and biomedical applications through charge compensation	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	MAY	2024
20	Materials Science, Biomaterials	Le, TN; Descanzo, MJN; Hsiao, WWW; Soo, PC; Peng, WP; Chang, HC	彭文平	Fluorescent nanodiamond immunosensors for clinical diagnostics of tuberculosis	JOURNAL OF MATERIALS CHEMISTRY B	APR 3	2024
21	Materials Science, Multidisciplinary	Khimani, AJ; Kadam, SA; Giri, RK; Zankat, CK; Ma, YR	馬遠榮	High performance photodetectors based on In <sub>2</sub> S <sub>3</sub> , In <sub>2</sub> S <sub>1.5</sub> Se <sub>1.5</sub> and In <sub>2</sub> Se <sub>3</sub> nanostructures	MATERIALS ADVANCES	MAR 21	2024
22	Chemistry, Physical; Materials Science, Coatings & Films; Physics, Applied; Physics, Condensed Matter	Sreedhara, R; Krushna, BRR; Sharma, SC; Nadar, NR; Krithika, C; Joy, FD; Shivakumar, V; Devaraja, S; Manjunatha, K; Hsu, TE; Wu, SY; Nagabhushana, H	吳勝允	Straightforward green synthesis of Fe <sup>3+</sup> doped ZnAl <sub>2</sub> O <sub>4</sub> spinel structure and potential applications in alleviating thrombosis, oxidative stress, data encryption and dermatoglyphics	SURFACES AND INTERFACES	MAR	2024
23	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Saravanan, L; Anand, P; Fu, YP; Ma, YR; Yeh, WC	葉旺奇*.馬遠榮	Enhancing the Hydrogen Evolution Performance of Tungsten Diphosphide on Carbon Fiber through Ruthenium Modification	ACS APPLIED MATERIALS & INTERFACES	FEB 29	2024

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24	Physics, Atomic, Molecular & Chemical; Spectroscopy	Patil, AA; Descanzo, MJN; Dhisale, VB; Peng, WP	彭文平*	MALDI sample preparation methods: A mini review	INTERNATIONAL JOURNAL OF MASS SPECTROMETRY	APR	2024
25	Chemistry, Inorganic & Nuclear	Munirathnam, R; Vidya, YS; Manjunatha, HC; Seenappa, L; Sridhar, KN; Manjunatha, S; Shivanna, M; Murugan, SVR; Sadashivamurthy, B; Kumar, S; Wu, SY; Manjunatha, K	吳勝允	Display and energy storage applications of copper doped nanoceria	INORGANIC CHEMISTRY COMMUNICATIONS	APR	2024
26	Physics, Particles & Fields	Miyashita, S	Miyashita, S*	Thermodynamics of the Einstein-Maxwell system	JOURNAL OF HIGH ENERGY PHYSICS	APR 16	2024
27	Chemistry, Inorganic & Nuclear; Chemistry, Physical	Manjunatha, K; Chiu, HH; Ho, MK; Hsu, TE; Bajorek, A; Wu, SY; Gupta, M; Al-Kahtani, AA; Ubaidullah, M; Manjunatha, SO; Basavegowda, N; Angadi, VJ	吳勝允*	Study of structural, X-ray photoelectron spectroscopy, Raman and temperature-dependent magnetic studies of NiFe2O4/ CoCr2O4 nanocomposites	JOURNAL OF SOLID STATE CHEMISTRY	MAY	2024
28	Materials Science, Ceramics	Hingangavkar, GM; Kadam, SA; Ma, YR; Selvaraj, M; Khan, KA; Mulik, RN; Patil, VB	馬遠榮	Exploiting the capabilities of MoS2-WO3 heterojunction sensors for harmful NO2 gas detection at low temperature	CERAMICS INTERNATIONAL	MAY 1	2024

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29	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Nimbalkar, TM; Kadam, SA; Ma, YR; Khot, AC; Selvaraj, M; Ahmad, Z; Patil, VB	馬遠榮	Zn mixed CeO2 nanoparticles: Enhancement of NO2 gas sensing performance	JOURNAL OF ALLOYS AND COMPOUNDS	JUN 5	2024
30	Green & Sustainable Science & Technology; Materials Science, Multidisciplinary	Srinivasa, PR; Krushna, BRR; Sharma, SC; Mamatha, GR; Malleshappa, J; Nadar, NR; Samantsinghar, P; Krithika, C; Prabavathy, G; Francis, D; Kumar, GV; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Investigating the use of Er 3+doped $\beta$ -Ca 2 SiO 4 phosphors derived from agricultural waste for thermal sensing and forensic applications	MATERIALS TODAY SUSTAINABILITY	JUN	2024
31	Chemistry, Analytical; Food Science & Technology; Spectroscopy	Soo, PC; Lee, CC; Shie, MF; Patil, AA; Descanzo, MJN; Chin, YC; Chen, HA; Horng, YT; Lin, CB; Lee, JJ; Chiang, CK; Peng, WP	彭文平*	Enhancing the sequence coverage of nanodiamond-extracted early secretory proteins from the Mycobacterium tuberculosis complex	ANALYTICAL METHODS	MAY 8	2024

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32	Green & Sustainable Science & Technology; Materials Science, Multidisciplinary	Chalvan, K; Dhananjaya, N; Manjunatha, HC; Vidya, YS; Munirathnam, R; Manjunatha, S; Shivanna, M; Kumar, S; Krishnakanth, E; Manjunatha, K; Wu, SY	吳勝允	Photoluminescence and supercapacitor applications of dysprosium doped rhombohedral silver gallium oxide nanoparticles	MATERIALS TODAY SUSTAINABILITY	JUN	2024
33	Astronomy & Astrophysics; Physics, Particles & Fields	Ko, YC; Lee, DS; Lin, CY	李大興*	Inspiral and plunging orbits in Kerr-Newman spacetimes	PHYSICAL REVIEW D	APR 18	2024
34	Green & Sustainable Science & Technology; Energy & Fuels; Materials Science, Multidisciplinary	Krushna, BRR; Sandeep, DH; Manjunatha, K; Sharma, SC; Panda, M; Krithika, C; Chiu, HH; Lyu, BL; Hsu, TE; Ho, MK; Wu, SY; Nagabhushana, H	吳勝允*	Sustainable latent fingerprint enhancement with ink-free printing and shape memory behavior using Parthenium Hysterophorus-derived carbon dots	SUSTAINABLE MATERIALS AND TECHNOLOGIES	JUL	2024



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35	Materials Science, Ceramics	Manjunatha, K; Angadi, VJ; Hardi, SS; Chiu, HH; Hsu, TE; Wu, SY; Oliveira, MC; Longo, E; Ribeiro, RAP; Ubaidullah, M; Al-Kahtani, AA; Sharma, K; Gupta, M; Basavegowda, N; Wang, SF; Sathish, T; Manjunatha, SO; Kubrin, SP	吳勝允*	Synthesis of lithium doped magnesium ferrites and their vibrational and magnetic properties: Correlation of experimental and density functional theory	CERAMICS INTERNATIONAL	JUN 15	2024
36	Green & Sustainable Science & Technology; Materials Science, Multidisciplinary	Gagana, M; Krushna, BRR; Sharma, SC; Nadar, NR; Sahu, S; Krithika, C; Coumare, VN; Banu, A; Caeiro, D; Madhavi, K; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Exploring innovative applications of Sr 2 MgSi 2 O 7:Fe 3+luminescent system in surface-triggered fingerprint divergence and cheiloscropy screening	MATERIALS TODAY SUSTAINABILITY	JUN	2024
37	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Sandeep, DH; Krushna, BRR; Sharma, SC; Ravindran, P; Sivayogana, R; Ramesha, H; Hemalatha, N; Rashmi, H; Devaraju, KS; Krithika, C; Kar, B; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Eco-friendly synthesis of CQDs from Pistachio shells: Versatile applications in anti-counterfeiting, flexible films, latent fingerprints and potential anti-cancer activity	JOURNAL OF ALLOYS AND COMPOUNDS	JUL 5	2024

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38	Chemistry, Inorganic & Nuclear	Chalvan, K; Vidya, YS; Manjunatha, HC; Dhananjaya, N; Munirathnam, R; Manjunatha, S; Shivanna, M; Kumar, S; Krishnakanth, E; Manjunatha, K; Wu, SY	吳勝允	Impact of fuel and reducing agent on photoluminescence and supercapacitor applications of rhombohedral silver gallium oxide (AgGaO2) nanoparticles	INORGANIC CHEMISTRY COMMUNICATIONS	JUN	2024
39	Materials Science, Multidisciplinary; Physics, Condensed Matter	Prasad, BV; Manjunatha, HC; Vidya, YS; Manjunatha, S; Munirathnam, R; Shivanna, M; Ningappa, C; Prasad, BD; Sahana, R; Manjunatha, K; Wu, SY; Sridhar, KN	吳勝允	Oxygen evolution reaction kinetics and photoluminescence studies of zinc stannate (ZnSnO3 /Zn2 SnO4 ) nanoparticles synthesized via Aloebarbadensis miller mediated route	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	JUL	2024
40	Materials Science, Ceramics	Nadaf, S; Chethan, B; Swathi, KM; Laxmeshwar, SS; Angadi, VJ; Manjunatha, K; Vandana, M; Chattham, N; Hegde, G; Sharma, K; Sathish, T; Gupta, M; Ubaidullah, M; Pattar, V; Basavegowda, N; Wu, SY; Manjunatha, SO; Bajorek, A	吳勝允	Synthesis, characterization and application of rare earth (Lu 3+) doped zinc ferrites in carbon monoxide gas sensing and supercapacitors	CERAMICS INTERNATIONAL	JUL 1	2024

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41	Materials Science, Multidisciplinary; Physics, Condensed Matter	Mamatha, GR; Krushna, BRR; Malleshappa, J; Sharma, SC; Krithika, C; George, A; Sobana, R; Mohapatra, SS; Vanitha, V; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Agro-waste derived $\beta$ -Ca <sub>2</sub> SiO <sub>4</sub> :Nd <sup>3+</sup> phosphors for thermal sensing and radiation dosimetry applications	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	JUL	2024
42	Green & Sustainable Science & Technology; Energy & Fuels; Materials Science, Multidisciplinary	Krushna, BRR; Mamatha, GR; Sharma, SC; Nadar, NR; Padmavathi, S; Kamila, SK; Ponnazhagan, K; Caeiro, D; Sudarmani, R; Gowda, VCV; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Investigating the influence of carbon dots on $\beta$ -Ca <sub>2</sub> SiO <sub>4</sub> :Ce <sup>3+</sup> phosphors derived from agro-waste for diverse applications	SUSTAINABLE MATERIALS AND TECHNOLOGIES	SEP	2024
43	Chemistry, Multidisciplinary; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Misra, KP; Chattopadhyay, S; Bandyopadhyay, A; Antony, A; Rao, AS; Poornesh, P; Jedryka, J; Ozga, K; Kucharska, B; Yin, YT; Andersson, G; Agarwala, A; Kuo, YK	郭永綱	Spectroscopic analysis of nanosized Zn(Ag, Ni)O systems and observation of superparamagnetism at low temperature	NANOSCALE ADVANCES	JUN 14	2024
44	Physics, Particles & Fields	Miyashita, S	Miyashita, S*	Thermodynamics of the 3-dimensional Einstein-Maxwell system	JOURNAL OF HIGH ENERGY PHYSICS	JUN 19	2024

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45	Chemistry, Physical; Energy & Fuels; Materials Science, Multidisciplinary	Kadam, SA; Kadam, KP; Pradhan, NR	Kadam, SA*	Advancements in 2D MXene-based supercapacitor electrodes: synthesis, mechanisms, electronic structure engineering, flexible wearable energy storage for real-world applications, and future prospects	JOURNAL OF MATERIALS CHEMISTRY A	MAY 29	2024
46	Chemistry, Physical; Materials Science, Coatings & Films; Physics, Applied; Physics, Condensed Matter	Pawar, SM; Patil, SS; Sonawane, KD; More, VB; Patil, PS	Patil, PS	Hydrothermally synthesized copper oxide nanoparticles: Rietveld analysis and antimicrobial studies	SURFACES AND INTERFACES	AUG	2024
47	Chemistry, Physical	Shembade, UV; Mane, JV; Mali, SS; Magadum, MG; Patil, SS; Wategaonkar, SB; Padalkar, NS; Patil, PS; Park, JP; Moholkar, AV	Patil, PS	Hydrothermal synthesized nickel tungstate (NiWO4) microflowers for supercapacitor and water-splitting	COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS	SEP 20	2024
48	Green & Sustainable Science & Technology; Materials Science, Multidisciplinary	Gagana, M; Krushna, BRR; Sharma, SC; Salwe, KJ; George, A; Sanjana, MR; Kar, B; Archana, KV; Pasha, S; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Luminescent carbon dots encapsulating in Eu3+ doped gahnite spinel nanocomposite for boosting thermal sensing, advanced level III detection and intelligent anti-counterfeiting applications	MATERIALS TODAY SUSTAINABILITY	SEP	2024
49	Environmental Sciences	Deshmukh, SP; Kamble, SJ; Koli, VB	Koli, VB*	Recent Advances in Application of 1D Nanomaterials for Photocatalytic Nitrogen Fixation	NITROGEN	JUN	2024

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50	Astronomy & Astrophysics; Physics, Nuclear; Physics, Particles & Fields; Physics, Mathematical	Dai, DC; Fu, CB	戴德昌*	Studies on particle creation during the universe expansion with a laser system	MODERN PHYSICS LETTERS A	MAY 20	2024
51	Materials Science, Multidisciplinary; Physics, Applied	Hegde, GS; Prabhu, AN; Nayak, R; Yang, CF; Kuo, YK	郭永綱*	Tuning of power factor in bismuth selenide through Sn/Te co doping for low temperature thermoelectric applications	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	JUL	2024
52	Materials Science, Multidisciplinary	Puthran, S; Hegde, GS; Prabhu, AN; Mishra, V; Yang, TY; Kuo, YK	郭永綱*	A comprehensive experimental and DFT analysis on thermoelectric properties of Sb, Te co-doped Bi <sub>2</sub> Se <sub>3</sub> polycrystals	JOURNAL OF MATERIALS SCIENCE	JUL	2024
53	Green & Sustainable Science & Technology; Materials Science, Multidisciplinary	Navya, N; Krushna, BRR; Sharma, SC; Srinivasan, AR; George, A; Mohapatra, SS; Krithika, C; Bhanu, A; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	In-situ embedding of carbon dots in perovskite GdAlO <sub>3</sub> :Eu <sup>3+</sup> /Li <sup>+</sup> composite: Boosting phosphor stability, optical thermometry, flexible displays and data protection applications	MATERIALS TODAY SUSTAINABILITY	SEP	2024
54	Chemistry, Physical	Navya, N; Krushna, BRR; Sharma, SC; Nadar, NR; Panda, M; George, A; Krithika, C; Rajeswari, S; Vanithamani, R; Madhavi, K; Ramakrishna, G; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Probing multifunctional applications of CeO <sub>2</sub> :Pr <sup>3+</sup> +phosphor for optical thermometry, flexible displays, cheiloscopy, anti-counterfeiting applications	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	NOV 1	2024

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55	Chemistry, Multidisciplinary; Materials Science, Multidisciplinary	Chiu, HH; Ho, MK; Hsu, TE; Yu, SL; Manjunatha, K; Cheng, CL; Li, TY; Chang, CK; Tummala, S; Ho, YP; Angadi, VJ; Matteppanavar, S; Gandhi, AC; Wu, SY	吳勝允*.何彥鵬	Manipulating and investigating the room-temperature magnetic memory phenomenon: The impact of rare-earth ion doping on nickel oxide nanoparticles	MATERIALS TODAY CHEMISTRY	JUL	2024
56	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary; Physics, Applied	Yadav, RL; Bag, P; Lai, CC; Kuo, YK; Kuo, CN; Lue, CS	郭永綱*.賴建智	Thermal history-dependent characteristics in van der Waals ferromagnet Fe <sub>5-x</sub> GeTe <sub>2</sub> (x ~ 0.16)	APL MATERIALS	AUG 1	2024
57	Energy & Fuels	Manjunatha, K; Zhang, H; Chiu, HH; Ho, MK; Hsu, TE; Yu, SL; Chougala, N; Maruthi, NS; Kulkarni, S; Cheng, CL; Wu, SY; Matteppanavar, S	吳勝允*.鄭嘉良	Magnetic transition magnetocaloric and supercapacitor behavior in synthesized Sn <sub>0.6</sub> Mn <sub>0.1</sub> Ge <sub>0.3</sub> Te alloys	JOURNAL OF ENERGY STORAGE	SEP 20	2024
58	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Patil, SS; Pawar, SM; Ghatage, S; Patil, AP; Redekar, RS; Yadav, HM; Tarwal, NL; Patil, PS	Patil, PS	Charge storage dynamics and time series analysis of binder free rapidly synthesized copper oxide for supercapacitors	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	DEC	2024

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59	Materials Science, Multidisciplinary	Sreedhara, R; Krushna, BRR; Mamatha, GR; Sharma, SC; Nandini, RN; Kar, B; Sridhar, C; Padmavathi, S; Caeiro, D; Kumar, JBP; Manjunatha, K; Wu, SY; Pasha, KRS; Nagabhushana, H	吳勝允	Amplification of intense red emission through integrating Li+ ions to V2O5: Eu3+phosphors: Optical thermometry, cheiloscopy and extraction of level III features for individual identification	MATERIALS CHEMISTRY AND PHYSICS	OCT 15	2024
60	Materials Science, Multidisciplinary	Gagana, M; Krushna, BRR; Sharma, SC; Mohapatra, L; Varalakshmi, VS; Vini, R; Nadar, NR; Ramakrishna, G; Srikanth, C; Gowda, VCV; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Ultra-bright green emitting Sr2MgSi2O7:Tb3+nanophosphors: unveiling multi-security applications in anti-counterfeiting, flexible films, optical thermometry and latent fingerprint visualization	MATERIALS CHEMISTRY AND PHYSICS	MAY 1	2024
61	Chemistry, Physical; Electrochemistry; Energy & Fuels	Nath, RR; Ke, SC	柯學初*	Boosting the photocatalytic performance of swiftly produced carbon nitride: Impact of cyano group and oxygen doping within the matrix	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	SEP 19	2024
62	Astronomy & Astrophysics; Physics, Particles & Fields	Syu, WC; Lee, DS	李大興	Acoustic quasibound states and tachyonic instabilities from binary Bose-Einstein condensates	PHYSICAL REVIEW D	AUG 5	2024

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63	Physics, Applied	Vashisht, G; Gandhi, AC; Kumar, V; Mathew, AJ; Dong, CL; Chen, CL; Asokan, K; Wu, SY; Fukuma, Y; Annapoorni, S	吳勝允	Peculiar spin glass phase emerging in FeCo/FePt driven via nanoconfined crystallographic distortions	JOURNAL OF PHYSICS D-APPLIED PHYSICS	NOV 22	2024
64	Physics, Particles & Fields	Dai, DC	戴德昌*	The spin correlation of fermion pairs created by a Kerr black hole gravitational potential	EUROPEAN PHYSICAL JOURNAL C	SEP 14	2024
65	Materials Science, Ceramics	Nimbalkar, TM; Kadam, SA; Ma, YR; Selvaraj, M; Assiri, MA; Patil, VB	馬遠榮	Tailoring Zn mixed WO3 nanoflowers for highly efficient NO2 gas detection	CERAMICS INTERNATIONAL	OCT 15	2024
66	Chemistry, Inorganic & Nuclear	Prasad, BV; Manjunatha, HC; Vidya, YS; Manjunatha, S; Munirathnam, R; Shivanna, M; Ningappa, C; Prasad, BD; Sahana, R; Sridhar, KN; Manjunatha, K; Wu, SY	吳勝允	Influence of Ni2+ on OER kinetics and photoluminescence properties of ZnSnO3 nanoparticles	INORGANIC CHEMISTRY COMMUNICATIONS	NOV	2024
67	Astronomy & Astrophysics	Dai, DC; Stojkovic, D	戴德昌*	Searching for small primordial black holes in planets, asteroids and here on Earth	PHYSICS OF THE DARK UNIVERSE	DEC	2024



NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
68	Chemistry, Inorganic & Nuclear	Girisha, HR; Krushna, BRR; Pruthviraj, IS; Sharma, SC; Kavyashree, D; Mohapatra, SS; George, A; Krithika, C; Manjunatha, K; Wu, SY; Sudarmani, R; Nagabhushana, H	吳勝允	Amalgamation of composite flux as luminescent armor in Eu3+ doped BaLa2ZnO5 phosphor for enhanced luminescence, combating counterfeiting, improving thermal sensing and advanced forensic investigations	INORGANIC CHEMISTRY COMMUNICATIONS	NOV	2024
69	Chemistry, Inorganic & Nuclear	Navya, N; Krushna, BRR; Sharma, SC; kar, B; george, A; Krithika, C; Sargunam, B; Rathla, KSG; Ravikumar, R; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Highly efficient Dy3+activated Sr9Al6O18 nanophosphors for W-LEDs, optical thermometry and deep learning-based intelligent system for personal identification applications	INORGANIC CHEMISTRY COMMUNICATIONS	NOV	2024
70	Biochemical Research Methods; Biophysics; Optics	Karmenyan, AV; Krivokharchenko, AS; Sarmiento, MN; Barus, EL; Perevedentseva, EV; Cheng, CL	鄭嘉良*	Impact of Graphene Oxide Nanoparticles on In Vitro Development of a Mouse Preimplantation Embryo and Interaction With the Zona Pellucida	JOURNAL OF BIOPHOTONICS	OCT 1	2024
71	Physics, Condensed Matter	Barot, N; Mehta, PK; Bishnoi, BS; Bhattacharjee, S; Rao, A; Thomas, R; Gurukrishna, K; Kuo, YK; Mishra, SK	郭永綱	Enhancement of multiferrocity in CuCrO2 compounds through effective doping induced optimization of localized carrier holes and reduction in helical disorder	PHYSICA B- CONDENSED MATTER	DEC 15	2024

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
72	Chemistry, Multidisciplinary	Sarkar, S; Chakrabarti, A; Chattopadhyay, S; Kuo, YK; Chakraborty, S; Mitra, S; Nath, M; Bandyopadhyay, A	郭永綱	Modulating Optical and Magnetic Characteristics in Cu(1-x)Dy <sub>x</sub> O Nanoparticles Through Doping	CHEMISTRYSELECT	OCT 4	2024
73	Materials Science, Ceramics	Manjunatha, K; Chethan, B; Wu, SY; Ubaidullah, M; Al-Kahtani, AA; Dhakal, T; Angadi, VJ	吳勝允	Synthesis of Li doped MgFe <sub>2</sub> O <sub>4</sub> nanoparticles for humidity sensor applications	CERAMICS INTERNATIONAL	AUG 1	2024
74	Materials Science, Multidisciplinary; Physics, Condensed Matter	Prasad, BV; Ningappa, C; Manjunatha, HC; Vidya, YS; Manjunatha, S; Shivanna, M; Prasad, BD; R, S; Munirathnam, R; Manjunatha, K; Wu, SY	吳勝允	Influence of Cr <sup>3+</sup> doping on oxygen evolution reaction kinetics and photoluminescence properties of ZnSnO <sub>3</sub> nanoparticles	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	DEC	2024
75	Chemistry, Inorganic & Nuclear	Patil, SS; Salunkhe, AP; Kulkarni, AA; Gaikwad, NK; Patil, PS; Bhat, TS	Patil, PS*	Hydrothermally grown copper cobalt phosphate hydrate nanostars for supercapacitors: Investigation of their charge transfer kinetics	INORGANIC CHEMISTRY COMMUNICATIONS	DEC	2024
76	Physics, Applied	Kuo, CN; Huang, RY; Tian, WS; Hong, CK; Ou, YR; Kuo, YK; Lue, CS	郭永綱*	Effects of lattice instability on the thermoelectric behavior of kagome metal ScV <sub>6</sub> Sn <sub>6</sub>	APPLIED PHYSICS LETTERS	OCT 7	2024
77	Physics, Particles & Fields	Yeh, CP	葉振斌*	Shock waves in holographic EPR pair	JOURNAL OF HIGH ENERGY PHYSICS	DEC 6	2023

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
78	Chemistry, Physical; Energy & Fuels; Materials Science, Multidisciplinary	Ravikumar, MP; Quach, TA; Urupalli, B; Manjunatha, K; Murikinati, MK; Venkatakrishnan, SM; Wu, SY; Do, TO; Mohan, S	吳勝允	Design Principles and Interfacial Engineering in an In Situ Grown Nickel Oxy-Nitride (Ni x O y N z ) System Manifesting Synergistic Properties for Photocatalysis	ACS APPLIED ENERGY MATERIALS	OCT 9	2024
79	Chemistry, Physical; Nanoscience & Nanotechnology; Materials Science, Multidisciplinary; Physics, Applied	Phan, GT; Van Pham, D; Thi, NLD; Maria, CCS; Chu, YH; Ma, YR	馬遠榮*	Nanorod-based smart windows with solid-gel electrolyte: An integrated electrochromic and pseudocapacitive technology for energy-saving and conversion	NANO ENERGY	DEC 15	2024
80	Materials Science, Ceramics	Nadar, NR; Deepak, J; Sharma, SC; Krushna, BRR; Pruthviraj, IS; George, A; Ponnazhagan, K; das, C; Sargunam, B; Anand, DG; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	RGO@ $\beta$ -CaSiO <sub>3</sub> :Sm <sup>3+</sup> nanocomposites for super capacitors, biosensor and w-LEDs applications	CERAMICS INTERNATIONAL	NOV 15	2024
81	Chemistry, Inorganic & Nuclear	Navya, N; Krushna, BRR; Sharma, SC; Kumar, VRH; Sahoo, S; Sudarmani, R; Babu, KS; Manjunatha, K; Wu, SY; Chiu, HH; Vinayak, GK; Nagabhushana, H	吳勝允	A facile approach towards large-scale synthesis of TiO <sub>2</sub> nanoparticles derived from egg shell waste with enhanced UV shielding, nano priming and fingerprint real time object detection through YOLOv8x	INORGANIC CHEMISTRY COMMUNICATIONS	DEC	2024

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
82	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Kadam, SA; Jaihindh, DP; Chen, YR; Kadam, KP; Hsieh, HW; Bera, S; Santosh, KC; Sumant, AV; Fu, YP; Lai, CC; Ma, YR; Pradhan, NR	馬遠榮*.賴建智. 傅彥培	Ferromagnetic Hybrid 2D FeS/FeS2 Nanostructures as Electrocatalysts for the Hydrogen Evolution Reaction	ACS APPLIED NANO MATERIALS	NOV 18	2024
83	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied	Manjunatha, K; Chiu, HH; Ho, MK; Bajorek, A; Wu, SY; Roy, N; Wang, SF; Manjunatha, SO; Ubaidullah, M; Shaikh, SF; Prakash, C; Kumar, A; Joo, SW; Angadi, VJ; Atif, M	吳勝允	Study of Crystal Structure, Morphology, Magnetic and Electronic Structure of ZnFe2O4/CoCr2O4 Nanocomposites	JOURNAL OF ELECTRONIC MATERIALS	NOV 16	2024
84	Chemistry, Physical; Electrochemistry; Physics, Condensed Matter	Desai, RS; Jadhav, VS; Morankar, PJ; Patil, SB; Sadale, SB; Patil, AR; Pardeshi, SR; Patil, PS; Jeon, CW; Dalavi, DS	Patil, PS	Effect of double hydrothermal synthesis technique on the electrochemical properties of Co3O4 microflowers for supercapacitor application	IONICS	NOV 26	2024
85	Chemistry, Physical; Engineering, Environmental; Engineering, Chemical	Chen, JR; Ke, SC	柯學初*	An all-in-one cytosine fused dihydroisoquinoline reaction center with ultralow Pt loading for excellent solar-to-hydrogen production	APPLIED CATALYSIS B-ENVIRONMENT AND ENERGY	NOV 15	2024

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
86	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied	Gao, HJ; Wang, SF; Ramprasad, N; Li, DF; Zhou, XJ; Li, L; Al-Enizi, AM; Ubaidullah, M; Manjunatha, K; Kumar, A; Basavegowda, N; Manjunatha, SO; Wu, SY; Angadi, VJ	吳勝允	Oxygen Vacancy Defect Engineering on ZnFe2O4/wt.%CoCr2O4 Heterojunction Toward the Degradation of Tetracycline Hydrochloride	JOURNAL OF ELECTRONIC MATERIALS	DEC 11	2024
87	Chemistry, Multidisciplinary; Materials Science, Multidisciplinary	Thilakan, AP; Hung, PL; Yang, JB; Lin, DL; Tzeng, SD; Hsu, YK; Tsai, CH; Pai, YH; Yabushita, A; Luo, CW; Chen, MH	曾賢德.徐裕奎	Investigating Dopant Effects in ZnO as an Electron Transport Layer for Enhanced Efficiency in Organic Photovoltaics	ADVANCED MATERIALS INTERFACES	DEC 18	2024
88	Materials Science, Multidisciplinary	Saragih, CS; Pham, DV; Lin, JX; Chen, WJ; Wu, PH; Yang, CC; Lai, CC; Tsai, CH; Hsu, HS; Ma, YR	馬遠榮*.賴建智. 吳柏宏.蔡志宏	Magnetic bilayer qubits: A bipartite quantum system	MATERIALS TODAY ADVANCES	AUG	2024
89	Materials Science, Multidisciplinary	Sreedhara, R; Krushna, BRR; Mamatha, GR; Sharma, SC; Padmavathi, S; Kamila, SK; George, A; Krithika, C; Sudarmani, R; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Influence of carbon dots integrated in Pr3+ doped gahnite nanophosphor for thermal sensing, data fortification and fingerprint visualization analysis through YOLOv8x deep learning embedded model	MATERIALS RESEARCH BULLETIN	DEC	2024