

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 OVs-TiO2/g-C3N4 catalyst for efficient RhB photodegradation and H2 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 BaGd ₂ ZnO ₅ :Ho ³⁺ +nanomaterial: Compatible towards solid state lightening, anti-counterfeiting and biomedical applications	INORGANIC CHEMISTRY COMMUNICATION S	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 BaLa ₂ ZnO ₅ :Tb ³⁺ , Bi ³⁺ nanophosphors	INORGANIC CHEMISTRY COMMUNICATION S	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 Cu ₂ Sn _{1-x} Y _x Se ₃ 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; Prikhozhenko, 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 CoCr ₂ O ₄ 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 ₂ gas	MATERIALS ADVANCES	FEB 5	2024
15	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Koyale, PA; Kulkarni, SP; Gunjakar, 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

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
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 ₂ :Eu ³⁺ 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 ₂ S ₃ , In ₂ S _{1.5} Se _{1.5} and In ₂ Se ₃ 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 ³⁺ doped ZnAl ₂ O ₄ 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 NiFe ₂ O ₄ / CoCr ₂ O ₄ 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 MoS ₂ -WO ₃ heterojunction sensors for harmful NO ₂ 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 CeO ₂ nanoparticles: Enhancement of NO ₂ 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 β -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
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

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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
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

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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
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 (AgGaO ₂) 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 (ZnSnO ₃ /Zn ₂ SnO ₄) nanoparticles synthesized via Aloebarbadensismiller mediated route	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	JUL	2024

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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
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 β -Ca ₂ SiO ₄ :Nd ³⁺ 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 β -Ca ₂ SiO ₄ :Ce ³⁺ phosphors derived from agro-waste for diverse applications	SUSTAINABLE MATERIALS AND TECHNOLOGIES	SEP	2024

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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
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; Magadam, MG; Patil, SS; Wategaonkar, SB; Padalkar, NS; Patil, PS; Park, JP; Moholkar, AV	Patil, PS	Hydrothermal synthesized nickel tungstate (NiWO ₄) microflowers for supercapacitor and water-splitting	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	SEP 20	2024

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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 Eu ³⁺ -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
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 ₂ Se ₃ 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 ₃ :Eu ³⁺ /Li ⁺ composite: Boosting phosphor stability, optical thermometry, flexible displays and data protection applications	MATERIALS TODAY SUSTAINABILITY	SEP	2024

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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 ₂ :Pr ³⁺ +phosphor for optical thermometry, flexible displays, cheiloscopy, anti-counterfeiting applications	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	NOV 1	2024
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 _{5-x} GeTe ₂ (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 _{0.6} Mn _{0.1} Ge _{0.3} Te alloys	JOURNAL OF ENERGY STORAGE	SEP 20	2024

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
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
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 V ₂ O ₅ : Eu ³⁺ -phosphors: Optical thermometry, cheiloscropy 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 Sr ₂ MgSi ₂ O ₇ :Tb ³⁺ -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

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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
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