

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Chemistry, Physical	Chakradhar, SP; Krushna, BRR; Sharma, SC; Krithika, C; Khadanga, CR; Kumar, VRH; Maidur, S; Manjunatha, K; Wu, SY; Rathla, KSG; Sudarmani, R; Nagabhushana, H	吳勝允	Exploring γ and UV irradiation responses on thermoluminescence and optical thermometry studies on Y4Al2O9:Ho3+ nanophosphor	JOURNAL OF MOLECULAR STRUCTURE	FEB 5	2025
2	Chemistry, Analytical; Electrochemistry; Instruments & Instrumentation	Manjunatha, K; Hsu, TE; Chiu, HH; Ho, MK; Chethan, B; Oliveira, MC; Longo, E; Ribeiro, RAP; Yu, SL; Cheng, CL; Nagabhushana, H; Chen, MC; Wu, SY	吳勝允*.鄭嘉良	Bismuth-doping Induced Enhanced Humidity Sensing Properties of Spinel NiFe2O4 Nanoparticles	SENSORS AND ACTUATORS B-CHEMICAL	JAN 1	2025
3	Materials Science, Multidisciplinary	Chakradhar, SP; Krushna, BRR; Sharma, SC; Mohapatra, SS; Krithika, C; George, A; Pasha, S; Manjunatha, K; Wu, SY; Vanitha, V; Nagabhushana, H	吳勝允	Coupling of carbon dots in Eu3+doped dicalcium silicate, derived from marine and agro-waste, offers a luminescent armor for counterfeiting, improving thermal sensing and advancing forensic explorations	MATERIALS RESEARCH BULLETIN	JAN	2025

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4	Materials Science, Multidisciplinary	Navya, N; Krushana, BRR; Sharma, SC; Kavyashree, D; Vanitha, DV; Kar, B; Kumar, VRH; Suvarna, P; George, A; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Cutting-edge applications of oleic acid-modified CdSiO ₃ : Ce ³⁺ +phosphors: Artificial intelligence enhanced latent fingerprint detection, anti-counterfeiting and optical thermometry	MATERIALS RESEARCH BULLETIN	FEB	2025
5	Engineering, Electrical & Electronic; Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter	Utila, MH; Lin, HW; Chan, HE; Ng, JW; Lin, CC; Badgujar, PM; Cheng, CL; Yeh, WCV; Lin, CH	林楚軒*.葉旺奇.鄭嘉良.林群傑	Passivation with sputtered silicon nitride and modified heat treatment for lifetime improvement	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	JAN	2025
6	Materials Science, Multidisciplinary	Gagana, M; Krushna, BRR; Sharma, SC; Mohapatra, L; Sivashanmugam, T; Kritika, C; Sargunam, B; Georgeg, A; Hanumantharaju, N; Manjunathai, K; Wui, SY; Nagabhushana, H	吳勝允	Comparative investigation on carbon dots and chloride fluxes modified ZnAl ₂ O ₄ :Cr ³⁺ +nanophosphors for temperature sensing, cutting-edge forensic, anti-counterfeiting and w-LEDs applications	MATERIALS RESEARCH BULLETIN	FEB	2025

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7	Chemistry, Analytical; Electrochemistry	Desai, RS; Jadhav, VS; Morankar, PJ; Patil, SB; Sadale, SB; Pardeshi, SR; Lad, DD; Patil, PS; Jeon, CW; Dalavi, DS	Patil, PS	Hydrothermal synthesis of self-supported hierarchical microflowers of Co ₃ O ₄ nanowires for potential supercapacitor application	JOURNAL OF ELECTROANALYTICAL CHEMISTRY	JAN 1	2025
8	Chemistry, Physical	Ananda, B; Krushna, BRR; Sharma, SC; Salwe, KJ; Sharma, R; Akkara, PJ; Jerald, AL; Jayannan, J; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Microwave enhanced carbon dots synthesis from eggshell membrane: Versatile applications in heavy metal ion sensing, strain free detection of fingerprints, UV shielding, food packing and anti-counterfeiting	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	JAN 20	2025
9	Chemistry, Inorganic & Nuclear	Pruthviraj, IS; Krushna, BRR; Sharma, SC; Shanmuganathan, S; Ray, S; Krithika, C; Vijayanand, S; Ponnazhagan, K; Manjunatha, K; Wu, SY; Ramakrishna, G; Nagabhushana, H	吳勝允	Sustainable synthesis of PVA@ZnO:Ga ³⁺ nanocomposite films for UV shielding, food preservation, shape memory and anti-counterfeiting applications	INORGANIC CHEMISTRY COMMUNICATIONS	JAN	2025
10	Chemistry, Physical	Sandeep, DH; Krushna, BRR; Sharma, SC; Sahoo, S; Sridhar, C; Rajkumar, A; Manjunatha, K; Wu, SY; Kumar, VRH; Arulmozhi, A; Nagabhushana, H	吳勝允	Acoustic cavitation assisted synthesis of PCDs@PVA composite film for UV shielding, intelligent pH detection, information encryption and food packing applications	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	APR 1	2025

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11	Materials Science, Multidisciplinary; Physics, Applied	Munirathnam, R; Manjunatha, HC; Vidya, YS; Seenappa, L; Sridhar, KN; Manjunatha, S; Shivanna, M; Murugan, SVR; Kumar, S; Manjunatha, K; Wu, SY	吳勝允	Ceria nano architectonics with doping effect of Co ²⁺ on pinkish red luminescence and high energy storage applications	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	JAN	2025
12	Chemistry, Physical	PrasadB, V; Ningappa, C; Manjunatha, HC; Vidya, YS; Manjunatha, S; Munirathnam, R; Shivanna, M; Sridhar, KN; Sahana, R; Manjunatha, K; Wu, SY	吳勝允	Oxygen evolution kinetics, supercapacitor and display applications of Europium doped ZnSnO ₃ nanoparticles	JOURNAL OF MOLECULAR STRUCTURE	MAR 5	2025
13	Materials Science, Multidisciplinary; Optics	Krushna, BRR; Pruthviraj, IS; Sharma, SC; Vijayanand, S; Krithika, C; Mohapatra, L; Ammal, RP; Kumar, S; Manjunatha, K; Wu, SY; Yu, SL; Nagabhushana, H	吳勝允	Synergistic enhancement of photoluminescence and advanced deep learning model through YOLOv8x in combined effects of carbon dots and Sr ₉ Al ₆ O ₁₈ :Sm ³⁺ phosphors	OPTICAL MATERIALS	FEB	2025
14	Energy & Fuels; Engineering, Chemical	Raj, R; Iqbal, M; Ram, M; Kumar, G; Patil, RA; Ma, YR; Singh, GP; Halder, KK	馬遠榮	Enhanced electrochemical performance of Nickel Oxide-Doped MXene heterostructures for advanced energy storage and conversion applications	FUEL	APR 1	2025

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
15	Green & Sustainable Science & Technology; Energy & Fuels; Materials Science, Multidisciplinary	Faras, MM; Patil, SS; Pagare, PK; Patil, PS; Torane, AP	Patil, PS	Binder-free urchin-like 3D ZnCo2O4 nanostructure as a potential electrode for supercapacitors	SUSTAINABLE MATERIALS AND TECHNOLOGIES	APR	2025
16	Chemistry, Inorganic & Nuclear	Ahamed, NN; Vidya, YS; Manjunatha, HC; Munirathnam, R; Manjunatha, S; Shivanna, M; Sahana, R; Manjunatha, K; Wu, SY; Prasad, BV; Seenappa, L	吳勝允	Influence of zinc on electrochemical and photoluminescence properties of yttrium chromate nanoparticles	INORGANIC CHEMISTRY COMMUNICATIONS	FEB	2025
17	Astronomy & Astrophysics; Physics, Particles & Fields	Lin, CM; Nalla, HD; Yeh, CP; Lee, DS	葉振斌.李大興	Primordial perturbations in Type III hilltop inflation models	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	JAN	2025
18	Chemistry, Physical	Pruthviraj, IS; Krushna, BRR; Sharma, SC; Sahu, S; Anitha, R; Lalitha, R; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	Comprehensive study of LaCaAl3O7: Eu3+nanoparticles: Structural, thermo and photoluminescence investigations	JOURNAL OF MOLECULAR STRUCTURE	APR 25	2025

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19	Materials Science, Multidisciplinary	Muralidhara, K; Manjunatha, HC; Vidya, YS; Munirathnam, R; Manjunatha, S; Shivanna, M; Sahana, R; Srinath, NR; Manjunatha, K; Wu, SY; Prasad, BV	吳勝允	Bi2Al4O9 Nanoparticles: Tailoring energy storage and display performance	MATERIALS CHEMISTRY AND PHYSICS	MAR 1	2025
20	Astronomy & Astrophysics; Physics, Particles & Fields	Chen, BR; Hsieh, T; Lee, DS	李大興	Null geodesics in extremal Kerr-Newman black holes	PHYSICAL REVIEW D	JAN 23	2025
21	Chemistry, Analytical; Food Science & Technology; Spectroscopy	Patil, AA; Lai, TKL; Lee, CC; Chiu, YP; Liu, ZX; Lin, CJ; Peng, WP	彭文平*.林哲仁	Enhancing mass analysis of ultra-high molecular weight polystyrene: a comparative study of copper and silver salts with MALDI mass spectrometry	ANALYTICAL METHODS	JAN 24	2025
22	Nanoscience & Nanotechnology; Materials Science, Multidisciplinary	Maria, CCS; Wu, PH; Hasibuan, DP; Saragih, CS; Giap, H; Nguyen, DH; Chen, YR; Phan, GT; Pham, DV; Shen, JL; Lai, CC; Wu, MK; Ma, YR	馬遠榮*.賴建智.吳柏宏	Temperature Dependence of the Band Gap and Exciton Photoreflectance in Layered Gallium Telluride	ACS APPLIED MATERIALS & INTERFACES	FEB 3	2025
23	Chemistry, Physical	Babar, BM; Babar, UD; Kale, AJ; Bhosale, TT; Pawar, UT; Kadam, PM; Nipane, SV; Deshpande, NG; Patil, PS; Kadam, LD	Patil, PS	Polyvinylpyrrolidone influenced reduced graphene oxide modified vanadium pentoxide nano rods for NO2 detection and supercapacitor application	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	APR 5	2025

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24	Optics	Anuradha, PK; Krushna, BRR; Pruthviraj, IS; Sharma, SC; Sahu, S; Ponnazhagan, K; Ganesan, L; Manjunatha, K; Wu, SY; Das, BK; Komahal, FF; Nagabhushana, H	吳勝允	Broadband cyan-blue emitting Y4Al2O9:Ce3+phosphor with high quantum efficiency, thermal stability and water resistance for w-LEDs, papilloscopy and fraud prevention systems	JOURNAL OF LUMINESCENCE	MAY	2025
25	Materials Science, Multidisciplinary; Physics, Condensed Matter	Ahamed, NN; Vidya, YS; Manjunatha, HC; Munirathnam, R; Manjunatha, S; Shivanna, M; Sahana, R; Manjunatha, K; Wu, SY; Prasad, BV	吳勝允	Electrochemical and photoluminescence studies of Fe3+doped YCrO4 nanoparticles for energy storage and display applications	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	MAR	2025
26	Optics	Chenthil, KS; Ranganatham, S; Krushna, BRR; Gagana, M; Sharma, SC; Parhi, D; Sivayogana, R; Anitha, R; Manjunatha, K; Wu, SY; Arunakumar, R; Nagabhushana, H	吳勝允	Novel EGCG assisted combustion synthesis of Ce3+, Tb3+co-doped Y4Al2O9 nanophosphors: Photometric characteristics, W-LED, anticounterfeiting and latent fingerprinting applications	JOURNAL OF LUMINESCENCE	MAY	2025

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27	Optics	Pruthviraj, IS; Krushna, BRR; Sharma, SC; Premkumar, HB; Manjunatha, K; Wu, SY; Mishra, S; Ganesan, L; Kumar, DG; George, A; Kumar, JBP; Nagabhushana, H	吳勝允	Synergistic Ce3+, Tb3+activated LaCaAl3O7 phosphor: Bridging forensic science with advanced w-LEDs applications	JOURNAL OF LUMINESCENCE	MAY	2025
28	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Krushna, BRR; Pruthviraj, IS; Sharma, SC; Ray, S; Elayakumar, ST; Jaiganesh, I; Archana, K; Manjunatha, K; Wu, SY; Ramesha, H; Devaraju, KS; Nagabhushana, H	吳勝允	Red emitting SnO2:Eu3+ hierarchical structures for multifunctional applications: Thermal sensing, w-LEDs, latent fingerprint detection and biomedical applications	JOURNAL OF ALLOYS AND COMPOUNDS	JAN 31	2025
29	Optics	Chaithra, CK; Krushna, BRR; Gowri, MM; Sharma, SC; Rajashekharaiyah, AS; Meyyammai, CT; Inbanathan, J; Manjunatha, K; Wu, SY; Nagabhushana, H	吳勝允	In-situ fabrication of carbon dots on intense cyan-blue emitting CaAl2O4: Ce3+ phosphor for enhancing thermal sensing, anti-counterfeiting and fingerprint detection applications	JOURNAL OF LUMINESCENCE	MAY	2025

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30	Materials Science, Multidisciplinary	Chakradhar, SP; Krushna, BRR; Sharma, SC; Tripathi, S; Indhu, C; Jaiganesh, I; Manjunatha, K; Wu, SY; Das, BK; Nagabhushana, H	吳勝允	Novel red-emitting CDs@LaCaAl3O7:Eu3+nanocomposites: A sustainable breakthrough for optical thermometry, indoor plant growth and intelligent security labels	MATERIALS CHEMISTRY AND PHYSICS	APR 15	2025
31	Astronomy & Astrophysics; Physics, Particles & Fields	Dai, DC	戴德昌*	Entropy created when colliding particles fall into a black hole	PHYSICAL REVIEW D	FEB 24	2025
32	Chemistry, Analytical	Dang, MC; Patil, AA; Lai, TK; Chou, SW; Hoang, TKT; Estayan, MIC; Peng, WP	彭文平*	Optimization of the Entropy-Based Wavelet Method for Removing Strong RF and AC Interferences in a Charge Detection Linear Ion Trap Mass Spectrometer	ANALYTICAL CHEMISTRY	FEB 26	2025
33	Engineering, Chemical	Gagana, M; Krushna, BRR; Sharma, SC; Sharmila, S; Meenakshi, R; Devikala, A; Sahu, S; Manjunatha, K; Wu, SY; Arunakumar, R; Nagabhushana, H	吳勝允	Green synthesis of carbon dots encapsulated MoO3:La3+for enhanced photocatalytic degradation, dactyloscopy and real-time FP detection using YOLOv8x	JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS	MAY	2025
34	Chemistry, Physical; Energy & Fuels; Materials Science, Multidisciplinary	Pawar, PS; Koyale, PA; Patil, SS; Patil, SR; Bae, J; Chodankar, NR; Kapdi, YG; Soni, SS; Patil, PS; Delekar, SD	Patil, PS	TiO2/ZnO nanocomposites with a metal-free dye and a polymer gel electrolyte: optimizing photovoltaic efficiency and assessing stability via time series analysis	ENERGY ADVANCES	FEB 24	2025

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35	Astronomy & Astrophysics; Physics, Particles & Fields	Hsieh, T; Lee, DS; Lin, CY	李大興*.林子強*	Throat effects on strong gravitational lensing in Kerr-like wormholes	PHYSICAL REVIEW D	FEB 19	2025
36	Optics	Arunakumar, R; Gagana, M; Krushna, BRR; Pruthviraj, IS; Ramakrishna, G; Sharma, SC; Choudhury, SPN; Shanma, E; Kumari, BN; Manjunatha, K; Wu, SY; Das, BK; Nagabhushana, H	吳勝允	High performance Y4Al2O9:Eu3+phosphors: Optical, thermal, and functional applications in w-LEDs, anti-counterfeiting and advanced forensics	JOURNAL OF LUMINESCENCE	JUN	2025
37	Chemistry, Physical	Sreedhara, R; Krushna, BRR; Mamatha, GR; Sharma, SC; Krithika, C; Jaiganesh, K; Kamila, SK; Krushna, R; George, A; Manjunatha, K; Wu, SY; Amudha, P; Jadhav, P; Nagabhushana, H	吳勝允	Enhancing the luminosity in Y4Al2O9: Sm3+nanophosphors, dactyloscopy and combating counterfeiting by incorporating fluorescent carbon dots as an optical amplifier	JOURNAL OF MOLECULAR STRUCTURE	JUN 15	2025

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38	Chemistry, Physical; Physics, Atomic, Molecular & Chemical	Nguyen, HYT; Nguyen, DH; Lai, CC; Burba, CM; Chung, YC; Chang, HC	賴建智*.張海舟*	Enhanced structural stability of formamidinium lead bromide (FAPbBr3) perovskites in confined and coated configurations under varying pressures	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	MAR 14	2025
39	Chemistry, Physical; Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering	Prathibha, B; Krushna, BRR; Chakradhar, SP; Sharma, SC; Vickneshwaran, V; Thangamani, K; Mohapatra, L; Manjunatha, K; Wu, SY; Hsu, TE; Ramakrishna, G; Arunakumar, R; Nagabhushana, H	吳勝允	Multifunctional Ho3+-doped Ba2La4Zn2O10 phosphors: Photoluminescence and electrochemical properties for LEDs and energy storage devices	JOURNAL OF ALLOYS AND COMPOUNDS	APR 5	2025
40	Materials Science, Ceramics	Gao, HJ; Angadi, J; Wang, SF; Bhaskar, K; Li, DF; Zhou, XJ; Li, L; Yang, H; Wu, SY; Ubaidullah, M; Prakash, C; Kumar, A; Basavegowda, N; Manjunatha, SO; Manjunatha, Li, ZY; Abdolvakhidov, K	吳勝允	Synthesis and magnetic characterization of Cd-doped CoCr2O4 ceramics for low-temperature applications	CERAMICS INTERNATIONAL	MAR	2025