

Publications in Q1 (top 25%) Journal Quartile by CiteScore : A Case Study of National Chung Hsing University

Sciences and Engineering

(Time periods of data used : 20 July 2023~11 October 2023)

Data source : SciVal – 18 October 2023

Sciences and Engineering

No.	Authors	Title	Scopus Source title	DOI	Authorship
1	Choi, D. Lee, Y. Lin, Z.-H. Cho, S. Kim, M. Ao, C.K. Soh, S. Sohn, C. Jeong, C.K. Lee, J. Lee, M. Lee, S. Ryu, J. Parashar, P. Cho, Y. Ahn, J. Kim, I.-D. Jiang, F. Lee, P.S. Khandelwal, G. Kim, S.-J. Kim, H.S. Song, H.-C. Kim, M. Nah, J. Kim, W. Menge, H.G. Park, Y.T. Xu, W. Hao, J. Park, H. Lee, J.-H. Lee, D.-M. Kim, S.-W. Park, J.Y. Zhang, H. Zi, Y. Guo, R. Cheng, J. Yang, Z. Xie, Y. Lee, S. Chung, J. Oh, I.-K. Kim, J.-S. Cheng, T. Gao, Q. Cheng, G. Gu, G. Shim, M. Jung, J. Yun, C. Zhang, C. Liu, G. Chen, Y. Kim, S. Chen, X. Hu, J. Pu, X. Guo, Z.H. Wang, X. Chen, J. Xiao, X. Xie, X. Jarin, M. Zhang, H. Lai, Y.-C. He, T. Kim, H. Park, I. Ahn, J. Huynh, N.D. Yang, Y. Wang, Z.L. Baik, J.M. Choi, D.	Recent Advances in Triboelectric Nanogenerators: From Technological Progress to Commercial Applications	ACS Nano	10.1021/acsnano.2c12458	
2	Jiang, Z. Du, T. Lin, C.-T. Macdonald, T.J. Chen, J. Chin, Y.-C. Xu, W. Ding, B. Kim, J.-S. Durrant, J.R. Heeney, M. McLachlan, M.A.	Deciphering the Role of Hole Transport Layer HOMO Level on the Open Circuit Voltage of Perovskite Solar Cells	Advanced Materials Interfaces	10.1002/admi.202201737	
3	Berekute, A.K. Yu, K.-P. Chuang, Y.-H.B. Lin, K.-Y.A.	Novel visible-light-active P-g-CN-based α -Bi ₂ O ₃ /WO ₃ ternary photocatalysts with a dual Z-scheme heterostructure for the efficient decomposition of refractory ultraviolet filters and environmental hormones: Benzophenones	Environmental Research	10.1016/j.envres.2023.116553	
4	Reddy, K.S.K. Chen, Y.-C. Jeng, R.-J. Abu-Omar, M.M. Lin, C.-H.	Upcycling Waste Polycarbonate to Poly(carbonate imine) Vitrimers with High Thermal Properties and Unprecedented Hydrolytic Stability	ACS Sustainable Chemistry and Engineering	10.1021/acssuschemeng.3c01454	Corresponding Author
5	Chen, Y.-C. Chen, K.-F. Lin, K.-Y.A. Tsang, Y.F. Hsu, Y.-F. Lin, C.-H.	Evaluation of the pulmonary toxicity of PSNPs using a Transwell-based normal human bronchial epithelial cell culture system	Science of the Total Environment	10.1016/j.scitotenv.2023.165213	
6	Wu, M.-Y. Kao, I.-F. Fu, C.-Y. Yen, S.-K.	Effects of Adding Chitosan on Drug Entrapment Efficiency and Release Duration for Paclitaxel-Loaded Hydroxyapatite—Gelatin Composite Microspheres	Pharmaceutics	10.3390/pharmaceutics15082025	Corresponding Author

No.	Authors	Title	Scopus Source title	DOI	Authorship
7	Tuan, D.D. Van, H.T. Thai Ha, D.T. Wen, J.-C. Kwon, E. Ghotekar, S. Thanh, B.X. Lee, J. Tsang, Y.F. Lin, K.-Y.A.	Boosting borohydride hydrolysis for H ₂ generation by MOF-templated void-engineered shaggy cobalt oxide: Abundant oxygen vacancy-mediated enhancement	International Journal of Hydrogen Energy	10.1016/j.ijhyde.2023.08.059	Corresponding Author
8	Doan Trang, T. Lee, J. Oh, W.-D. Kwon, E. Wang, H. Fai Tsang, Y. Munagapati, V.S. Yang, H. Chen, W.-H. Andrew Lin, K.-Y.	Hollow-Structured N-doped carbon-embedded CoFe NanoAlloy for boosting activation of Monopersulfate: Engineered interface and heteroatom Doping-Induced enhancements	Journal of Colloid and Interface Science	10.1016/j.jcis.2023.08.091	Corresponding Author
9	Munagapati, V.S. Wen, H.-Y. Gollakota, A.R.K. Wen, J.-C. Lin, K.-Y.A. Shu, C.-M. Yarramuthi, V. Basivi, P.K. Reddy, G.M. Zyryanov, G.V.	Magnetic Fe ₃ O ₄ nanoparticles loaded guava leaves powder impregnated into calcium alginate hydrogel beads (Fe ₃ O ₄ -GLP@CAB) for efficient removal of methylene blue dye from aqueous environment: Synthesis, characterization, and its adsorption performance	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2023.125675	
10	Liu, D. Pellis, D. Chiang, Y.-C. Rist, F. Wallner, J. Pottmann, H.	Deployable strip structures	ACM Transactions on Graphics	10.1145/3592393	
11	Gasim, M.F. Low, S.-C. He, C. Lin, K.-Y.A. Hamidon, T.S. Hussin, M.H. Oh, W.-D.	Atomically dispersed vanadium on g-C ₃ N ₄ for effective ciprofloxacin degradation via peroxymonosulfate activation: Insights on the nonradical pathway and V redox cycles	Journal of Environmental Chemical Engineering	10.1016/j.jece.2023.111035	
12	Venkatesan, M. Chandrasekar, J. Liang, F.-C. Lin, W.-C. Chen, W.-C. Cho, C.-J. Chen, Y.-T. Lee, W.-Y. Su, C. Zhou, Y. Lai, Y.-C. Kuo, C.-C.	Surface-enhanced fully nanofiber-based self-cleanable ultraviolet resistive triboelectric energy harvester for wearable smart garments	Nano Energy	10.1016/j.nanoen.2023.108556	Corresponding Author
13	Kong, Z.Y. Tsai, Y.-T. Tian, Y. Sunarso, J. Adi, V.S.K.	Inherent flexibility design strategy of extractive distillation for binary azeotropic separation: Novel integration of optimization approach with penalty values	Separation and Purification Technology	10.1016/j.seppur.2023.124705	Corresponding Author
14	Lin, Y.-Y. Lin, Y.-K. Lin, Y.-H. Chiang, C.-F.	Novel compounds of Djulis (<i>Chenopodium formosanum</i> Koidz) increases collagen, antioxidants, inhibits adipogenesis	Natural Product Research	10.1080/14786419.2023.2235064	
15	Tsai, C.-Y. Ang, T. Kong, Z.Y. Sunarso, J. Adi, V.S.K.	Toward a Flexible Design for the Bioethanol Dehydration Using Extractive Distillation	Industrial and Engineering Chemistry Research	10.1021/acs.iecr.3c01854	Corresponding Author
16	Hsiao, C.-T. Huang, T.-H. Lacson, C.F.Z. Vilando, A.C. Lu, M.-C.	Recovering struvite from livestock wastewater by fluidized-bed homogeneous crystallization as a pre-treatment process to sludge co-digestion	Environmental Research	10.1016/j.envres.2023.116639	Corresponding Author

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17	Lee, J.-Y. Shen, Y.-A. Chen, C.-M.	Void-free interface between In and high-impurity Cu joint	Science and Technology of Welding and Joining	10.1080/13621718.2023.2259720	Corresponding Author
18	Trang, T.D. Lin, J.-Y. Chang, H.-C. Huy, N.N. Ghotekar, S. Lin, K.-Y.A. Munagapati, V.S. Yee, Y.F. Lin, Y.-F.	Hollow-Architected Heteroatom-Doped Carbon-Supported Nanoscale Cu/Co as an Enhanced Magnetic Activator for Oxone to Degrade Toxicants in Water	Nanomaterials	10.3390/nano13182565	Corresponding Author
19	Wang, C.-C. Hung, J.-Y. Uan, J.-Y. Fang, C.-Y. Kuo, Y.-L. Chang, W.-J. Ohiro, Y. Sun, Y.-S.	Facile bioactive transformation of magnesium alloy surfaces for surgical implant applications	Frontiers in Bioengineering and Biotechnology	10.3389/fbioe.2023.1156525	
20	Wang, T.-H. Shen, M.-Y. Yeh, N.-T. Chen, Y.-H. Hsu, T.-C. Chin, H.-Y. Wu, Y.-T. Tzang, B.-S. Chiang, W.-H.	Photothermal nanozymes to self-augment combination cancer therapy by dual-glutathione depletion and hyperthermia/acidity-activated hydroxyl radical generation	Journal of Colloid and Interface Science	10.1016/j.jcis.2023.07.134	
21	Pan, L.-C. Hsieh, S.-Y. Chen, W.-C. Lin, F.-T. Lu, C.-H. Cheng, Y.-L. Chien, H.-W. Yang, H.	Self-Assembly of Shark Scale-Patterned Tunable Superhydrophobic/Antifouling Structures with Visual Color Response	ACS Applied Materials and Interfaces	10.1021/acsami.3c03086	Corresponding Author
22	Sharma, A.K. Ghodke, P.K. Goyal, N. Bobde, P. Kwon, E.E. Lin, K.-Y.A. Chen, W.-H.	A critical review on biochar production from pine wastes, upgradation techniques, environmental sustainability, and challenges	Bioresource Technology	10.1016/j.biortech.2023.129632	
23	Huang, Y.-C. Hou, C.-C.	Using Feature Engineering and Principal Component Analysis for Monitoring Spindle Speed Change Based on Kullback – Leibler Divergence with a Gaussian Mixture Model	Sensors	10.3390/s23136174	First Author, Corresponding Author
24	Lee, J. Lee, S. Lin, K.-Y.A. Jung, S. Kwon, E.E.	Abatement of odor emissions from wastewater treatment plants using biochar	Environmental Pollution	10.1016/j.envpol.2023.122426	
25	You, B. Huang, C.-F. Lu, J.-Y.	Terahertz Humidity Sensing Based on Surface-Modified Polymer Mesh Membranes with Photografting PEGMA Brush	Polymers	10.3390/polym15153302	Corresponding Author
26	Chen, Y.-A. Chen, S.-J. Lee, L.-Y. Lai, R.-H. Yeh, C.-M. Chiu, C.-A. Lai, J.-Y. Lai, Y.-C. Chou, H.-H.	Fluoro-based organic small molecules as sliding crosslinkers for boosting stretchability and self-healability of polymers for hybrid human-motion sensing and energy harvesting	Nano Energy	10.1016/j.nanoen.2023.108882	Corresponding Author
27	Rana, S. Chiu, S.-J. Huang, C.-Y. Tairtan, F.-G. Lin, Y.-G. Wu, D.-S. Singh, J.P. Su, G.-C. Liu, P.-L. Horng, R.-H.	Direct hard X-ray photodetector with superior sensitivity based on ZnGa ₂ O ₄ epilayer grown by metalorganic chemical vapor deposition	Materials Today Advances	10.1016/j.mtadv.2023.100411	

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28	Hsiung, B.-C.B. Phan, K.-H. Hsiao, D.-H.	A Study on the Impacts of One-Strut Failure Scenarios for Deep Excavation in Loose to Medium-Dense Sand	Sustainability (Switzerland)	10.3390/su151310530	First Author
29	Lee, K.-T. Ho, K.-Y. Chen, W.-H. Kwon, E.E. Lin, K.-Y.A. Liou, S.-R.	Construction and demolition waste as a high-efficiency advanced process for organic pollutant degradation in Fenton-like reaction to approach circular economy	Environmental Pollution	10.1016/j.envpol.2023.122246	
30	Trang, T.D. Kwon, E. Wen, J.-C. Huy, N.N. Munagapati, V.S. Ghotekar, S. Yu, K.-P. Lin, K.-Y.A.	Enhanced degradation of Ionic liquid 1-n-Butyl-3-Methylimidazolium chloride by visible Light-Promoted Fe-MOF-activated Peroxydisulfate: A comparative study with DFT and Eco-Toxicity assessment	Journal of Molecular Liquids	10.1016/j.molliq.2023.122832	
31	Yang, W.-C. Lai, C.-M. Yamaguchi, E. Chiu, C.-K. Hu, C.-N. Chang, H.-Y.	An evaluation of slenderness limitations of H-beams for special moment connections	Journal of Constructional Steel Research	10.1016/j.jcsr.2023.108194	Corresponding Author
32	Zhao, C. Wang, Z. Wang, Y. Qian, Z. Tan, Z. Chen, Q. Pan, X. Xu, M. Lai, Y.-C.	MXene-Composite-Enabled Ultra-long-Distance Detection and Highly Sensitive Self-Powered Noncontact Triboelectric Sensors and Their Applications in Intelligent Vehicle Perception	Advanced Functional Materials	10.1002/adfm.202306381	Corresponding Author
33	Chang, H.-W. Lee, C.-H. Hong, Y.-X. Chen, J.-L. Chen, J.-M. Tsai, Y.-C.	The Morphology-Controllable Synthesis of Ni – Co – O Nanosheets on a 3D Porous Ni Template as a Binder-Free Electrode for a Solid-State Symmetric Supercapacitor	Energies	10.3390/en16145467	Corresponding Author
34	Trang, T.D. Khiem, T.C. Kwon, E. Wen, J.-C. Duan, X. Bui, H.M. Hu, C. Tsang, Y.F. Chen, W.-H. Lin, K.-Y.A.	Interface-engineered hollow carbon matrix-supported FeCo alloy as an enhanced magnetic activator for peroxydisulfate to degrade an endocrine disruptor in water: A comparative study for elucidating advantageous roles of Fe-dopant	Surfaces and Interfaces	10.1016/j.surfin.2023.103338	Corresponding Author
35	Lai, Y.-F. Chang, M.-Y. Liou, Y.-Y. Lee, C.-C. Hsueh, H.-Y.	Morphological Diagram of Dynamic-Interfacial-Release-Induced Surface Instability	ACS Applied Materials and Interfaces	10.1021/acsami.3c07497	Corresponding Author
36	Hsiao, F.-P. Weng, P.-W. Li, Y.-A. Kawamoto, T. Lin, Y.-C. Haryanto, Y.	Study on retrofitting of existing reinforced concrete buildings with the exoskeleton design-U-frame method	Composite Structures	10.1016/j.compstruct.2023.117562	
37	Lin, Y.-H. Huang, W.-T. Huang, Y.-T. Jhang, Y.-N. Shih, T.-T. Yilmaz, M. Deng, M.-J.	Evaluation of Polymer Gel Electrolytes for Use in MnO ₂ Symmetric Flexible Electrochemical Supercapacitors	Polymers	10.3390/polym15163438	First Author

No.	Authors	Title	Scopus Source title	DOI	Authorship
38	Thao, V.D. Dung, N.T. Duc, N.D. Trang, T.T. Thanh, D.T.M. Phuong, N.T. Thuy, N.T. Lin, K.-Y.A. Huy, N.N.	Mn-MOFs-derived Mn ₂ O ₃ as an effective peroxydisulfate activator for the degradation of organics in water	International Journal of Environmental Science and Technology	10.1007/s13762-022-04691-x	
39	Shen, M.-Y. Chen, Y.-H. Yeh, N.-T. Wang, T.-H. Chiang, W.-H.	Acidity/hydrogen peroxide-responsive PEGylated chitosan-modified polydopamine nanoparticles to realize effective photothermal conversion and intracellular drug delivery	European Polymer Journal	10.1016/j.eurpolymj.2023.112365	Corresponding Author
40	Tuan, D.D. Nguyen, N.H. Quang, N.V. Park, Y.-K. Lin, C.-H. Ghotekar, S. Wang, H. Chen, W.-H. Yee, Y.F. Lin, K.-Y.A.	Interface-engineered cavity-structured cobalt oxide as a boosted activator for peroxydisulfate to degrade environmental hormones in water: Structural defects and oxygen vacancies-induced enhancement	Journal of Environmental Chemical Engineering	10.1016/j.jece.2023.110789	Corresponding Author
41	Li, F.-S. Fang, Y.-W. Wu, Y.-T. Wu, S.-W. Ho, S.-Z. Chen, C.-Y. Chiang, C.-Y. Chen, Y.-C. Liu, H.-J.	Self-Enhancement of Water Electrolysis by Electrolyte-Poled Ferroelectric Catalyst	ACS Nano	10.1021/acsnano.3c06371	Corresponding Author
42	Liang, J.-N. Nargotra, P. Li, X.-Y. Sharma, V. Hsieh, S.-L. Tsai, Y.-H. Liu, Y.-C. Huang, C.-Y. Kuo, C.-H.	Evaluation of Wheat Noodles Supplemented with Soy Protein Isolate for Nutritional, Textural, Cooking Attributes and Glycemic Index	Applied Sciences (Switzerland)	10.3390/app13137772	
43	Huang, Y.-S. Ejeta, D.D. Lin, K.-Y. Kuo, S.-W. Jamnongkan, T. Huang, C.-F.	Synthesis of PDMS- μ -PCL Miktoarm Star Copolymers by Combinations (ϵ) of Styrenics-Assisted Atom Transfer Radical Coupling and Ring-Opening Polymerization and Study of the Self-Assembled Nanostructures	Nanomaterials	10.3390/nano13162355	Corresponding Author
44	Chen, S.-E. Pan, F.-T. Yang, R.-Y. Wu, C.-C.	A multi-physics system integration and modeling method for piezoelectric wave energy harvester	Applied Energy	10.1016/j.apenergy.2023.121654	First Author, Corresponding Author
45	Gasim, M.F. Choong, Z.-Y. Koo, P.-L. Low, S.-C. Hamidon, T.S. Hussin, M.H. Lin, K.-Y.A. Oh, W.-D.	Heteroatoms intra-actions and oxidant-pollutant competition over BC ₂ O sites in N, S, B-tri-doped biochar for the nonradical activation of peroxydisulfate	Journal of Water Process Engineering	10.1016/j.jwpe.2023.104189	Corresponding Author
46	Ho, C.-Y. Lee, T.-W. Li, X.-Y. Chen, C.	Repurposing of waste ammonium sulfate as S,N-doped carbon quantum dots: A sensitive and selective fluorescent probe for the determination of tetracycline	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2023.105128	Corresponding Author
47	Ma, C.-W. Yu, S.-H. Fang, J.-K. Yang, P.-F. Chang, H.-C.	The physical improvement of copper deposition uniformity with the simulation models	Journal of Electroanalytical Chemistry	10.1016/j.jelechem.2023.117790	Corresponding Author

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48	Chiang, K.-T. Lin, S.-H. Ye, Y.-Z. Zeng, B.-H. Cheng, Y.-L. Lee, R.-H. Lin, K.-Y.A. Yang, H.	Leafhopper-inspired reversibly switchable antireflection coating with sugar apple-like structure arrays	Journal of Colloid and Interface Science	10.1016/j.jcis.2023.06.179	Corresponding Author
49	Kong, Z.Y. Yang, A. Tsai, C.-C. Adi, V.S.K. Saptoro, A. Sunarso, J.	Design and Optimization of Hybrid Reactive-Extractive Distillation for Ternary Azeotropic Separation: A Case Considering the Effect of Side Reactions	Industrial and Engineering Chemistry Research	10.1021/acs.iecr.3c01532	
50	Quiton, K.G.N. Huang, Y.-H. Lu, M.-C.	Photocatalytic oxidation of Reactive Red 195 by bimetallic Fe - Co catalyst: Statistical modeling and optimization via Box-Behnken design	Chemosphere	10.1016/j.chemosphere.2023.139509	Corresponding Author
51	Jiang, X.-Y. Park, Y.-K. Wen, J.-C. Bui, H.M. Lin, Y.-F. Sirivithayapakorn, S. Khiem, T.C. Munagapati, V.S. Lin, K.-Y.A.	Hollow-architected Co ₃ O ₄ for enhancing Oxone activation to eliminate an anesthetic, benzocaine, from water: A structure-property investigation with degradation pathway and eco-toxicity	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2023.105042	
52	Markó, D. Cheenikundil, R. Bauer, J. Lenz, K. Chuang, W.-C. Lin, K.-W. Wu, J.-C. D'Aquino, M. Hertel, R. Schmool, D.S.	Interpretation of Spin-Wave Modes in Co / Ag Nanodot Arrays Probed by Broadband Ferromagnetic Resonance	Physical Review Applied	10.1103/PhysRevApplied.20.024059	
53	Baldovia-Lim, J.M. de Luna, M.D.G. Abarca, R.R.M. Lacson, C.F.Z. Grisdanurak, N. Lu, M.-C.	Integrating bi-pH operation to enhance Ni ²⁺ removal and recovery in fluidized-bed non-seeded granulation process	Chemical Engineering Journal	10.1016/j.cej.2023.145102	Corresponding Author
54	Li, M. Liu, H. Zhao, R. Yang, F.-S. Chen, M. Zhuo, Y. Zhou, C. Wang, H. Lin, Y.-F. Yang, J.J.	Imperfection-enabled memristive switching in van der Waals materials	Nature Electronics	10.1038/s41928-023-00984-2	First Author, Corresponding Author
55	Chiu, Y.-C. Khwa, W.-S. Yang, C.-S. Teng, S.-H. Huang, H.-Y. Chang, F.-C. Wu, Y. Chien, Y.-A. Hsieh, F.-L. Li, C.-Y. Lin, G.-Y. Chen, P.-J. Pan, T.-H. Lo, C.-C. Liu, R.-S. Hsieh, C.-C. Tang, K.-T. Ho, M.-S. Lo, C.-P. Chih, Y.-D. Chang, T.-Y.J. Chang, M.-F.	A CMOS-integrated spintronic compute-in-memory macro for secure AI edge devices	Nature Electronics	10.1038/s41928-023-00994-0	
56	Thirupathi, M. Natarajan, T. Zen, J.-M.	Electrochemical detection of fluoride ions using 4-aminophenyl boronic acid dimer modified electrode	Journal of Electroanalytical Chemistry	10.1016/j.jelechem.2023.117685	
57	Wang, K.-H. Wu, C.-H. Yen, T.-C.	Reliability analysis of redundant retrieval machining system subject to standby switching failure	Quality Technology and Quantitative Management	10.1080/16843703.2022.2132450	Corresponding Author

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58	Chang, Y.-H. Silalahi, V.C. Yang, Y.-T. Wen, Y.-S. Kuo, W.	Full analysis on coupling strengths between split ring resonators for double negative microwave tight-binding models	Optics Express	10.1364/OE.493283	Corresponding Author
59	Kumar, P. Peng, H.-Y. Yang, Y.-H. Kumar, U. Deng, Z.-Y. Chen, K.-L. Lee, M.-W. Wu, C.-H.	Highly sensitive CO gas sensor based on ternary metal sulfides PbSbS quantum dots: Experimental and DFT study	Journal of Alloys and Compounds	10.1016/j.jallcom.2023.171688	Corresponding Author
60	Chen, L.-J. Kuo, C.-J. Liang, C.-F.	Synthesis of Aryl Amides from Acyl-Bunte Salts and Aryl Azides	Journal of Organic Chemistry	10.1021/acs.joc.3c00477	Corresponding Author
61	Thiruppathi, M. Natarajan, T. Zen, J.-M.	Anthracene boronic acid functionalized activated screen-printed carbon electrode: A strategy for direct phosphate voltammetric detection	Sensors and Actuators B: Chemical	10.1016/j.snb.2023.134436	
62	Kuan, J.-Y. Chen, I.-T. Lin, H. Han, J.-L.	Organocatalytic Vinylogous Michael Addition/Cyclization Cascade of 2-Alkylidene Indane-1,3-diones with Enals: A Regio- and Stereocontrolled Diversity-Oriented Route to Indane-1,3-dione Derivatives	Advanced Synthesis and Catalysis	10.1002/adsc.202300767	Corresponding Author
63	Li, C.-K. Tsai, M.-C. Wang, Y.-S. Wong, N.-C.	Nonsurjective zero product preservers between matrix spaces over an arbitrary field	Linear and Multilinear Algebra	10.1080/03081087.2023.2263139	Corresponding Author
64	Guo, J.-S. Shimojo, M. Wu, C.-C.	SPREADING DYNAMICS FOR A PREDATOR-PREY SYSTEM WITH TWO PREDATORS AND ONE PREY IN A SHIFTING HABITAT	Discrete and Continuous Dynamical Systems - Series B	10.3934/dcdsb.2022170	Corresponding Author
65	Huang, C.-H. Wu, C.-Y. Lin, Y.-F. Chou, Y.-C. Lee, K.-T.	Wet-Etching-Boosted Charge Storage in 1D Nitride-Based Systems for Imitating Biological Synaptic Behaviors	Advanced Functional Materials	10.1002/adfm.202306030	
66	Raquel, B.J.R. Hashimoto, T. Goto, T. Chen, B.H. Uno, Y. Hsiao, T.Y.-Y. Kim, S.J. Ho, S.C.-C.	Machine learning classification of repeating FRBs from FRB 121102	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/stad1942	
67	Huang, L.-C. Tsai, H.-H.	Perceptual Contrastive Generative Adversarial Network based on image warping for unsupervised image-to-image translation	Neural Networks	10.1016/j.neunet.2023.07.010	Corresponding Author
68	Hung, C.-M. Mai, C.-L. Wu, C.-C. Chen, B.-H. Lu, C.-H. Chu, C.-C. Wang, M.-C. Yang, S.-D. Chen, H.-C. Yeh, C.-Y. Chou, P.-T.	Self-Assembled Monolayers of Bi-Functionalized Porphyrins: A Novel Class of Hole-Layer-Coordinating Perovskites and Indium Tin Oxide in Inverted Solar Cells	Angewandte Chemie - International Edition	10.1002/anie.202309831	Corresponding Author

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69	Shao, H. Chen, C. Chang, M. Yu, C. Lin, C. Yang, J.	Retina-TransNet: A Gradient-Guided Few-Shot Retinal Vessel Segmentation Net	IEEE Journal of Biomedical and Health Informatics	10.1109/JBHI.2023.3298710	First Author
70	Wei, Y.-A. Wu, P.-J. Tsai, P.-Y. Chen, K.-L. Yang, C.-S.	Enhanced tunable terahertz Mie resonance and magnetoplasmonic effect through chain formation in ferrofluid	Applied Physics Letters	10.1063/5.0156784	
71	Schneider, I. Dai, J.-Y.	Symmetry groupoids for pattern-selective feedback stabilization of the Chafee-Infante equation	Chaos	10.1063/5.0152662	Corresponding Author
72	Huang, T.-E. Liu, H.-H. Wang, C.-Y. Liang, B.-W. Hsu, R.-Y. Wu, C.-H. Hung, K.-M. Lan, Y.-W. Lo, K.Y.	Quantitative Correlation for Recoverable Monolayer MoS2 Gas Sensing Mechanism: A Fundamental Approach	Journal of Physical Chemistry C	10.1021/acs.jpcc.3c03279	
73	Hong, T.-J. Sivakumar, C. Luo, C.-W. Ho, M.-S.	Investigation of TiO2 nanoparticle interactions in the fibroblast NIH-3T3 cells via liquid-mode atomic force microscope	Archives of Toxicology	10.1007/s00204-023-03585-2	Corresponding Author
74	Ko, W.-Y. Yeh, S.-C. Hsu, Y.-C. Chu, H.-W. Lin, K.-J.	A Flexible Broadband Visible Light Plasmon-Absorber Based on a 2D Monolayer of Au-Nanoparticle/TiO2-Nanowire Core - Shell Heterostructures	Advanced Materials Interfaces	10.1002/admi.202300415	First Author, Corresponding Author
75	Lin, J.-D. Lo, P.-Y. Peng, G.-H. Li, W.-H. Huang, S.-Y. Chen, G.-Y. Cheng, S.-J.	Essential role of momentum-forbidden dark excitons in the energy transfer responses of monolayer transition-metal dichalcogenides	npj 2D Materials and Applications	10.1038/s41699-023-00414-z	
76	Tsai, M.-Y. Huang, C.-T. Lin, C.-Y. Lee, M.-P. Yang, F.-S. Li, M. Chang, Y.-M. Watanabe, K. Taniguchi, T. Ho, C.-H. Wu, W.-W. Yamamoto, M. Wu, J.-L. Chiu, P.-W. Lin, Y.-F.	A reconfigurable transistor and memory based on a two-dimensional heterostructure and photoinduced trapping	Nature Electronics	10.1038/s41928-023-01034-7	Corresponding Author
77	Lin, J. Chang, C.-Y.	Efficient fault-tolerant quantum dialogue protocols using a quantum reordering circuit of EPR pairs	Physica Scripta	10.1088/1402-4896/acecb4	First Author, Corresponding Author
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