

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 : 12 October 2023~10 January 2024)

Data source : SciVal – 22 January 2024

Sciences and Engineering

No.	Authors	Title	Scopus Source title	DOI	Authorship
1	Ang, T. Tsai, C.-Y. Adi, V.S.K. Tian, Y. Kong, Z.Y. Sunarso, J.	Toward a Flexible Design for the Bioethanol Dehydration Using Extractive Distillation. Part 2: Validation of Operability under Uncertainty Using Base-Layer Control	Industrial and Engineering Chemistry Research	10.1021/acs.iecr.3c04025	
2	Sanguanpak, S. Peturai, P. Chiemchaisri, C. Chiemchaisri, W. Lu, M.C.	Removal of imidacloprid in geopolymer granules coupled with low-intensity photocatalytic and chemical oxidation processes	Journal of Water Process Engineering	10.1016/j.jwpe.2023.104547	
3	Chen, S.-E. Chen, W.-Y. Yang, R.-Y. Wu, C.-C.	A piezoelectric wave energy harvester equipped with a sequential-drive rotating mechanism and rotary piezoelectric harvesting component	Energy Conversion and Management: X	10.1016/j.ecmx.2023.100463	First Author, Corresponding Author
4	Chen, W.-C. Deng, M.-J. Liu, P.-Y. Lai, C.-C. Lin, Y.-H.	A framework for real-time vehicle counting and velocity estimation using deep learning	Sustainable Computing: Informatics and Systems	10.1016/j.suscom.2023.100927	Corresponding Author
5	Lai, Y.-C. Ginnaram, S. Lin, S.-P. Hsu, F.-C. Lu, T.-C. Lu, M.-H.	Breathable and Stretchable Multifunctional Triboelectric Liquid-Metal E-Skin for Recovering Electromagnetic Pollution, Extracting Biomechanical Energy, and as Whole-Body Epidermal Self-Powered Sensors	Advanced Functional Materials	10.1002/adfm.202312443	First Author, Corresponding Author
6	Chou, H.-Y. Yadlapalli, B.K. Yen, C.-C. Singh, A.K. Chiang, J.-L. Wu, D.-S.	Ga ₂ O ₃ nanorods synthesized by hydrothermal method for dual-functional sensing of pH value and glucose	Sensors and Actuators A: Physical	10.1016/j.sna.2023.114695	First Author, Corresponding Author
7	Huang, S.-K. Chi, F.-C.	Development of Recursive Subspace Identification for Real-Time Structural Health Monitoring under Seismic Loading	Structural Control and Health Monitoring	10.1155/2023/117042	First Author, Corresponding Author
8	Juang, Y. Jehng, J.-M.	Fenton-like degradation of methyl orange by alumina-supported Cu - Co catalysts at neutral pH: Optimization by the Taguchi method	Energy and Environment	10.1177/0958305X231215313	Corresponding Author
9	Yang, X.-X. Lu, F.-H.	Enhancement of photoelectrochemical performance for nitrogen-doped titanium dioxide-based thin films produced by a facile air-based sputtering deposition	Ceramics International	10.1016/j.ceramint.2023.12.109	Corresponding Author
10	Chen, C.-J. Chi, M.-H. Ye, J.-R.	Assessing hydroclimate response to land use/cover change using coupled atmospheric-hydrological models	Geoscience Letters	10.1186/s40562-023-00310-w	First Author, Corresponding Author

No.	Authors	Title	Scopus Source title	DOI	Authorship
11	Ha, M.-K. Phan, T.-L. Nguyen, D.H.H. Quan, N.H. Ha-Phan, N.-Q. Ching, C.T.S. Hieu, N.V.	Comparative Analysis of Audio Processing Techniques on Doppler Radar Signature of Human Walking Motion Using CNN Models	Sensors (Basel, Switzerland)	10.3390/s23218743	
12	Chen, H.-J. Lin, Y.-R. Tang, C.-W. Hung, Y.-C.	Application of Biomineralization Technology in the Stabilization of Electric Arc Furnace Reducing Slag	Applied Sciences (Switzerland)	10.3390/app131810435	First Author
13	Huang, Y.-J. Cai, C.-E. Feng, Y.-C. Liu, B.-T. Lee, R.-H.	Water-Soluble Cationic Copolyacrylamides Modifying NiOx for High-Performance Inverted Perovskite Solar Cells	ACS Applied Polymer Materials	10.1021/acscapm.3c01396	Corresponding Author
14	Chen, C.-W. Yu, W.-S. Zheng, Z.-X. Cheng, Y.-S. Li, S.-Y.	Waste valorization through acetone-butanol-ethanol (ABE) fermentation	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2023.105280	
15	Hsu, J.-H. Tang, N.-T. Hsu, T.-F. Lin, S.-H. Fang, C.-Y. Huang, Y.-W. Yang, H.	Self-Assembly of Hemimyzon Formosanus-Inspired Crescent-Shaped Nanosucker Arrays for Reversible Adhesion	ACS Applied Materials and Interfaces	10.1021/acscami.3c15577	Corresponding Author
16	Lin, Y. Wang, S. Tseng, Y. Lin, Z. Chen, J. Chang, C. Wang, G.	A Novel SERS Substrate Containing Silver Nanoparticle-Deposited Photoresist Microcone Array for Sensitive Biosensing	IEEE Sensors Journal	10.1109/JSEN.2023.3338640	
17	Brahmayya, M. Yang, D.-C. Fu, Y.-C. Li, S.-Y. Suen, S.-Y.	A novel graphene oxide-1,3,4-oxadiazole-2,5-diamine nanomaterial with enhanced bactericide activity	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2023.105208	Corresponding Author
18	Lin, C.-H. Chen, Y.-C. Hsu, P.-K. Gloter, A. Huang, W.-H. Chen, C.-L. Song, J.-M. Chen, S.-Y.	Enhanced Photocatalytic Performance of TiO ₂ @CeO ₂ Hollow Structure through Synergetic Surface and Interface Engineering	Advanced Sustainable Systems	10.1002/adisu.202300230	
19	Tsai, C.-C. Kong, Z.Y. Yang, A. Sunarso, J. Adi, V.S.K.	Novel hybrid reactive-extractive distillation for separation of tetrahydrofuran, ethanol, and water azeotropic system with rigorous side reactions consideration	Journal of Water Process Engineering	10.1016/j.jwpe.2023.104478	
20	Li, G. Liu, Y.-T. Yang, F. Li, M. Zhang, Z. Pascual, J. Wang, Z.-K. Wei, S.-Z. Zhao, X.-Y. Liu, H.-R. Zhao, J.-B. Lin, C.-T. Li, J.-M. Li, Z. Abate, A. Cantone, I.	Biotoxicity of Halide Perovskites in Mice	Advanced Materials	10.1002/adma.202306860	
21	Kuo, Y.-Y. Li, S.-Y.	Solid-state fermentation of food waste by <i>Serratia marcescens</i> NCHU05 for prodigiosin production	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2023.105260	Corresponding Author

No.	Authors	Title	Scopus Source title	DOI	Authorship
22	Ma, M.-Y. Shen, S.-E. Huang, Y.-C.	Enhancing UAV Visual Landing Recognition with YOLO's Object Detection by Onboard Edge Computing	Sensors (Basel, Switzerland)	10.3390/s23218999	
23	Lee, K.-L.	Analytic inclined flow rule for determining granular rheology under strong non-local effects	Journal of Fluid Mechanics	10.1017/jfm.2023.813	Corresponding Author
24	Moonsrikaew, W. Akkarawatkhosith, N. Tongtummachat, T. Kaewchada, A. Lin, K.-Y.A. Evgeny, R. Jaree, A.	Bio-jet fuel production from crude palm kernel oil under hydrogen-nitrogen atmosphere in a fixed-bed reactor by using Pt/C as catalyst	Energy Conversion and Management: X	10.1016/j.ecmx.2023.100471	
25	Chen, J.-W. Wei, Y.-G. Lo, H.-Y. Lu, S. Chen, Y.-C. Lei, C.-F. Liu, P.-L. Yu, P. Tsou, N.-T. Yasuhara, A. Wu, W.-W. Chu, Y.-H.	Mechanically Robust Interface at Metal/Muscovite Quasi van der Waals Epitaxy	ACS Applied Materials and Interfaces	10.1021/acsmi.3c09129	
26	Liu, S.-C. Lin, H.-Y. Hsu, S.-E. Wu, D.-T. Sathasivam, S. Daboczi, M. Hsieh, H.-J. Zeng, C.-S. Hsu, T.-G. Eslava, S. Macdonald, T.J. Lin, C.-T.	Highly reproducible self-assembled monolayer based perovskite solar cells via amphiphilic polyelectrolyte	Journal of Materials Chemistry A	10.1039/d3ta04512a	Corresponding Author
27	Wu, T.-C. Lai, C.-L. Sivakumar, G. Huang, Y.-H. Lai, C.-H.	Synthesis of a Multifunctional Glyco-Block Copolymer through Reversible Addition-Fragmentation Chain Transfer Polymerization and Click Chemistry for Enzyme and Drug Loading into MDA-MB-231 Cells	ACS Applied Materials and Interfaces	10.1021/acsmi.3c12184	Corresponding Author
28	Tangcharoen, T. Andrew Lin, K.-Y.	Fabrication and characterization of copper/cobalt sulfides catalyst on nickel substrate with enhanced monopersulfate-activated degradation of industrial dyes	Environmental Nanotechnology, Monitoring and Management	10.1016/j.enmm.2023.100882	
29	Sahoo, S.R. Huang, C.-T. Tsai, K. Wang, G.-J. Chang, C.-C.	A multiscale 3D hotspot-rich nanostructured substrate for biomolecular detection of SARS-CoV-2	Applied Physics Reviews	10.1063/5.0155256	First Author, Corresponding Author
30	Fan, L. Zhou, J. Fang, X. Wang, Y. Ma, X. Tsai, M.-H. Zhu, Y.	Probing the Respective Strengthening Mechanism of High-entropy (CoCrFeNi/CoCrFeNiMn) and Single-principle-element (Cu-4Al) Alloys	Journal of Alloys and Compounds	10.1016/j.jallcom.2023.172185	
31	Wang, Y.-J. Lai, H.-C. Chen, Y.-A. Huang, R. Hsin, T. Liu, H.-J. Zhu, R. Gao, P. Li, C. Yu, P. Chen, Y.-C. Li, J. Chen, Y.-C. Yeh, J.-W. Chu, Y.-H.	High Entropy Nonlinear Dielectrics with Superior Thermally Stable Performance	Advanced Materials	10.1002/adma.202304128	
32	Tsai, D.-C. Kuo, B.-H. Chen, H.-P. Chen, E.-C. Shieu, F.-S.	Enhanced performance of proton exchange membrane fuel cells by Pt/carbon/antimony-doped tin dioxide triple-junction catalyst	Scientific Reports	10.1038/s41598-023-50080-w	First Author, Corresponding Author

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33	Virtudazo-Ligaray, C.A. de Luna, M.D.G. Choi, A.E.S. Lu, M.C.	Novel cerium – tungsten – titanium-based catalyst for an efficient oxidative desulfurization material in fuel oil under a laboratory-scale setup	Clean Technologies and Environmental Policy	10.1007/s10098-023-02665-2	Corresponding Author
34	Bui, H.N. Chen, Y.-C. Lin, K.-Y.A. Nguyen, T.-M.T. Nguyen, H.T. You, S.-J. Le, T.N. Bui, H.M.	Biodiesel synthesis from refined pangasius fat: Taguchi technique and life cycle assessment	Applied Nanoscience (Switzerland)	10.1007/s13204-022-02594-4	
35	Huang, Y.-S. Ejeta, D.D. Kuo, S.-W. Nakamura, Y. Huang, C.-F.	Combinations (C) among controlled/living polymerizations and utilizations of efficient chemical reactions for the synthesis of novel polymeric materials	Polymer Chemistry	10.1039/d3py00997a	Corresponding Author
36	Khiem, T.C. Huy, N.N. Kwon, E. Wacławek, S. Ebrahimi, A. Oh, W.-D. Ghotekar, S. Tsang, Y.F. Chen, W.-H. Lin, K.-Y.A.	Tailoring oxygen vacancies in Co ₃ O ₄ yolk-shell nanospheres via for boosted peroxymonosulfate activation: Single-electron transfer and high-valent Co-oxo species-dominated non-radical pathways	Chemical Engineering Journal	10.1016/j.cej.2023.146404	
37	Yadav, R. Bake, A. Lee, W.T. Liu, Y.-K. Mitchell, D.R.G. Yang, X.-R. Cortie, D.L. Lin, K.-W. Leung, C.W.	Interfacial spin structures in Pt/Tb ₃ Fe ₅ O ₁₂ bilayer films on Gd ₃ Ga ₅ O ₁₂ substrates	Physical Review Materials	10.1103/PhysRevMaterials.7.124407	Corresponding Author
38	Choi, D. Lee, J. Lin, K.-Y.A.	Characteristics of heavy metals in road dust: An overview of South Korean cases	Energy and Environment	10.1177/0958305X231221074	Corresponding Author
39	Vinzons, L.U. Dong, G.-C. Lin, S.-P.	Hierarchically patterned polyurethane microgrooves featuring nanopillars or nanoholes for neurite elongation and alignment	Beilstein Journal of Nanotechnology	10.3762/BJNA-NO.14.96	Corresponding Author
40	Horng, R.H. Tsai, X.-Y. Tarntair, F.-G. Shieh, J.-M. Hsu, S.-H. Singh, J.P. Su, G.-C. Liu, P.-L.	P-type conductive Ga ₂ O ₃ epilayers grown on sapphire substrate by phosphorus-ion implantation technology	Materials Today Advances	10.1016/j.mtadv.2023.100436	
41	Tran, D.T. Van, T.H. Tsai, Y.-C. Lin, K.-Y.A. Duong, T.D.	MOF-Templated Hierarchical Porous Hollow Core-Shell Framework Cobalt Oxide for Enhancing Hydrogen Generation from Borohydride-Based Hydrolysis	ChemCatChem	10.1002/cctc.202301133	Corresponding Author
42	Huang, L.-C. Song, J.-M. Chen, C.-M.	Effects of initial Cu grain size and impurity residues on the liquid phase reactions between molten solder and electroplated Cu	Materials Characterization	10.1016/j.matchar.2023.113459	Corresponding Author
43	Liao, Z. Zhou, J. Shen, T.-J. Chen, Y.	Inferring single- and multi-species distributional aggregation using quadrat sampling	Ecological Indicators	10.1016/j.ecolind.2023.111085	Corresponding Author
44	Liu, R.-T. Huang, C.-C.	Interfacing differently oriented biaxial van der Waals crystals for negative refraction	Nanophotonics	10.1515/nanoph-2023-0442	First Author, Corresponding Author

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45	Sheu, W.-T. Hsu, Y.-L. Liu, Y.-W. Lu, S.-H.	The triple generally weighted moving average control chart for monitoring Poisson observations	Annals of Operations Research	10.1007/s10479-023-05751-2	Corresponding Author
46	Huang, B.-W. Han, J.-L.	Regioselectivity Switch between Enantioselective 1,2- and 1,4-Addition of Allyl Aryl Ketones with 2,3-Dioxopyrrolidines	Journal of Organic Chemistry	10.1021/acs.joc.3c01885	Corresponding Author
47	Lee, M.-P. Gao, C. Tsai, M.-Y. Lin, C.-Y. Yang, F.-S. Sung, H.-Y. Zhang, C. Li, W. Li, J. Zhang, J. Watanabe, K. Taniguchi, T. Ueno, K. Tsukagoshi, K. Ho, C.-H. Chu, J. Chiu, P.-W. Li, M. Wu, W.-W. Lin, Y.-F.	Silicon-van der Waals heterointegration for CMOS-compatible logic-in-memory design	Science advances	10.1126/sciadv.adk1597	
48	Lee, P.-C. Li, C.-Z. Lu, C.-T. Zhao, M.-H. Lai, S.-M. Liao, M.-H. Peng, C.-L. Liu, H.-T. Lai, P.-S.	Microcurrent Cloth-Assisted Transdermal Penetration and Follicular Ducts Escape of Curcumin-Loaded Micelles for Enhanced Wound Healing	International Journal of Nanomedicine	10.2147/IJN.S440034	Corresponding Author
49	Manavalan, G. Natarajan, T. Adeniyi, K.O. Zen, J.-M. Tesfalidet, S. Thyrel, M. Lestander, T.A. Alla, S.R. Mikkola, J.-P.	Electrochemically Modified Poly(dicyandiamide) Electrodes for Detecting Hydrazine in Neutral pH	Industrial and Engineering Chemistry Research	10.1021/acs.iecr.3c02669	
50	Chung, T.-C. Hsu, Y.-H. Chen, T. Li, Y. Yang, H. Yu, J.-X. Lee, I.-C. Lai, P.-S. Li, Y.E. Chen, P.-Y.	Machine Learning Integrated Workflow for Predicting Schwann Cell Viability on Conductive MXene Biointerfaces	ACS Applied Materials and Interfaces	10.1021/acsami.3c08070	Corresponding Author
51	Tsai, M.-Y. Tsai, T.-H. Gandhi, A.C. Lu, H.-L. Li, J.-X. Chen, P.-L. Chen, K.-W. Chen, S.-Z. Chen, C.-H. Liu, C.-H. Lin, Y.-F. Chiu, P.-W.	Ultrafast and Broad-Band Graphene Heterojunction Photodetectors with High Gain	ACS Nano	10.1021/acsnano.3c07665	
52	Chen, K.-C. Pan, B.-Y.	Distance Estimates for Action-Minimizing Solutions of the N-Body Problem	Regular and Chaotic Dynamics	10.1134/S1560354723040044	
53	Liu, X. Zhang, C. Li, E. Gao, C. Wang, R. Liu, Y. Liu, F. Shi, W. Yuan, Y. Sun, J. Lin, Y.-F. Chu, J. Li, W.	Ultralow Off-State Current and Multilevel Resistance State in Van der Waals Heterostructure Memristors	Advanced Functional Materials	10.1002/adfm.202309642	Corresponding Author
54	Rahayu, S.U. Wang, Y.-R. Shi, J.-B. Lee, M.-W.	AgInS ₂ /CdSe type-II core/shell quantum dot-sensitized solar cells with an efficiency of 11.75% under 0.1 sun	Sustainable Energy and Fuels	10.1039/d3se01249b	Corresponding Author
55	Chung, M.-C. Liu, Y.-Q. Jian, B.-L. Xu, S.-Q. Syu, J.-J. Lee, C.-F. Tan, K.-T.	Affinity-Switchable Interaction of Biotin and Streptavidin for the Signal-ON Detection of Small Molecules	ACS Sensors	10.1021/acssensors.3c01572	

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56	Jian, H.-Y. Lin, L. Hsieh, B.-C. Umetsu, K. Lopez-Coba, C. Oguri, M. Bottrell, C. Toba, Y. Koyama, Y. Chang, Y.-Y. Kodama, T. Komiyama, Y. More, S. Lin, K.-Y. Nishizawa, A.J. Tanaka, I.	Radial and Local Density Dependence of Star Formation Properties in Galaxy Clusters from the Hyper Suprime-Cam Survey	Astrophysical Journal	10.3847/1538-4357/acfc22	
57	Wijesinghe, J. Chen, P.	Matrix Balancing Based Interior Point Methods for Point Set Matching Problems	SIAM Journal on Imaging Sciences	10.1137/22M1479476	
58	Hsu, H.-F. Liu, G.-L. Su, Y.-C. Ko, B.-T.	Bimetallic nickel complexes containing imidazole-based phenolate ligands as efficient catalysts for the copolymerization of carbon dioxide with epoxides	Dalton Transactions	10.1039/d3dt03084a	Corresponding Author
59	Huang, S.-M. Cheng, W.-C. Wang, P.-C. Cheng, F.-E. Wu, C.-H.	Significant Enhancement of NO ₂ Detection Response in MoTe ₂ Nanostructures with a 1T'-2H Structure Mixture	ACS Applied Nano Materials	10.1021/acsnanm.3c04506	
60	Wang, M.-H. Tsai, M.-Y. Su, Y.-C. Chiu, S.-T. Lin, P.-H. Long, J.	Zero-Field Single-Molecule Magnet Behavior in a Series of Dinuclear Dysprosium(III) Complexes Based on Benzothiazolyl-Based Ligands and β -Diketonates	Crystal Growth and Design	10.1021/acs.cgd.3c01123	Corresponding Author
61	Xie, H.-X. Lo, L. Shuai, H.-H. Cheng, W.-H.	An Overview of Facial Micro-Expression Analysis: Data, Methodology and Challenge	IEEE Transactions on Affective Computing	10.1109/TAFFC.2022.3143100	Corresponding Author
62	Chen, C.-Y. Li, Y.-H. Li, Z. Lee, M.-R.	Characterization of effective phytochemicals in traditional Chinese medicine by mass spectrometry	Mass Spectrometry Reviews	10.1002/mas.21782	Corresponding Author
63	Kumar, U. Liu, Y.-C. Hsieh, H.-W. Deng, Z.-Y. Huang, W.-M. Wu, C.-H.	Revealing ppb order NO ₂ adsorption capability of 2D/0D p-p heterojunctions based on Sb/SnS nanocomposite	Journal of Alloys and Compounds	10.1016/j.jallcom.2023.172451	First Author, Corresponding Author
64	Zhu, Z. Lin, Y.-S. Wu, R.-J. Kumar, U. Wu, C.-H.	A Rapid ppb Level Room Temperature NO ₂ Sensing by Using BiVO ₄ -CeO ₂ Composites with DFT Interpretation	ACS Applied Nano Materials	10.1021/acsnanm.3c02895	Corresponding Author
65	Wang, W.-L. Castro, L.M. Li, H.-J. Lin, T.-I.	Mixtures of t factor analysers with censored responses and external covariates: An application to educational data from Peru	British Journal of Mathematical and Statistical Psychology	10.1111/bmsp.12329	Corresponding Author
66	Tu, C. Chen, K.	Style-exprGAN: Diverse Smile Style Image Generation Via Attention-Guided Adversarial Networks	IEEE Transactions on Affective Computing	10.1109/TAFFC.2023.3327118	First Author

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67	Tuan, D.D. Park, Y.-K. Wen, J.-C. Bui, H.M. Duan, X. Ghanbari, F. Ghotekar, S. Chen, W.-H. Lin, K.A.	Emerging investigator series: enhancing the degradation of ciprofloxacin in water using Oxone activated by urchin-like cubic and hollow-structured cobalt@N-doped carbon prepared by etching-engineering: a comparative study with mechanistic and eco-toxic assessments	Environmental Science: Water Research and Technology	10.1039/d3ew0009e	Corresponding Author
68	Chen, H.-R. Lin, W.-S. Hsu, T.-Y. Lin, T.-C. Chen, N.-S.	Applying Smart Glasses in Situated Exploration for Learning English in a National Science Museum	IEEE Transactions on Learning Technologies	10.1109/TLT.2023.3276702	
69	Lo, F.-W. Yang, G.-C. Chang, M.-K. Kwong, W.C.	An Improved Two-Hop Rendezvous Model with Buffer-Aided Relays in Channel-Hopping Cognitive-Radio Wireless Networks for Internet of Things	IEEE Internet of Things Journal	10.1109/JIOT.2023.3280716	Corresponding Author
70	Chi, J.-C. Chen, C.-E. Huang, Y.-H.	-Complexity Low-Rank Approximation SVD for Massive Matrix in Tensor Train Format	ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings	10.1109/ICASSP49357.2023.10096140	
71	Huang, S. Yu, Y. Huang, C. Cheng, H.	Cross-Scale Fusion Transformer for Histopathological Image Classification	IEEE Journal of Biomedical and Health Informatics	10.1109/JBHI.2023.3322387	
72	Hsu, H.-M. Yang, B. Yang, T.-L. Cho, H.-L. Shinohara, N.	Dynamic Wireless Power Transfer System with Twin Perpendicular Receiver Coils	Progress in Electromagnetics Research	10.2528/PIER23082805	
73	Hsu, H. Yang, B. Chang, C. Kawai, K. Yen, F. Shinohara, N.	High-Power Oscillator and High-Efficiency Rectifier for 900-MHz Wireless Power Transfer System With Minimal Components	IEEE Transactions on Microwave Theory and Techniques	10.1109/TMTT.2023.3316308	
74	Hsu, S.-P.	Consensus Sets Based on Sarymsakov Matrices	IEEE Control Systems Letters	10.1109/LCSYS.2023.3332198	Corresponding Author
75	Wang, Y. Jiang, W. Liu, S.-C. Lin, C.-T. Fan, B. Li, Y. Gao, H. Liu, M. Lin, F.R. Jen, A.K.Y.	Durable Organic Photovoltaics Enabled by a Morphology-Stabilizing Hole-Selective Self-Assembled Monolayer	Advanced Energy Materials	10.1002/aenm.202303354	
76	Tseng, L.-M. Chen, P.-F. Wen, C.-Y.	Design of Edge-IoMT Network Architecture with Weight-Based Scheduling	Sensors (Basel, Switzerland)	10.3390/s23208553	
77	Lai, C. Lin, W. Liu, H. Liu, S. Mishima, T. Teh, J.	A Two-Phase Interleaved Bidirectional DC-DC Converter with Asymmetrical Duty Limit Control for Wide-Range DC-Bus Voltage Applications	IEEE Transactions on Industry Applications	10.1109/TIA.2023.3333831	First Author

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78	Lin, H.-T. Pan, W.-H. Wang, P.-C.	Packet Classification Using TCAM of Narrow Entries	Technologies	10.3390/technologies11050147	Corresponding Author
79	Huang, B. Hu, S. Liu, Z. Lin, C.-L. Su, J. Zhao, C. Wang, L. Wang, W.	Challenges and prospects of visual contactless physiological monitoring in clinical study	npj Digital Medicine	10.1038/s41746-023-00973-x	Corresponding Author
80	Chen, C.-L. Huang, Q.-Y. Zhou, M. Huang, D.-C. Liu, L.-C. Deng, Y.-Y.	Quantified emotion analysis based on design principles of color feature recognition in pictures	Multimedia Tools and Applications	10.1007/s11042-023-17286-6	
81	Chen, C.-L. Zheng, Y.-M. Huang, D.-C. Liu, L.-C. Chen, H.-C.	A Blockchain and IPFS-Based Anticounterfeit Traceable Functionality of Car Insurance Claims System	Sensors	10.3390/s23239577	
82	Liao, S.-H. Shiao, K.-Y. Wang, F.-H. Yang, C.-F.	Fabrications of the Flexible Non-Enzymatic Glucose Sensors Using Au-CuO-rGO and Au-CuO-rGO-MWCNTs Nanocomposites as Carriers	Sensors	10.3390/s23198029	Corresponding Author
83	Liu, C. Chang, K. Tsai, C. Huang, C. Shih, T. Huang, S. Cheng, W.	Record 22-dB Net Gain of Broadband Single-Mode Cr-Doped Crystalline Core Fiber by AI-Assisted Image Recognition Growth	Journal of Lightwave Technology	10.1109/JLT.2023.3342931	First Author
84	Yang, A.C.M. Ogata, H.	Evaluation and modeling of students' persistence and wheel-spinning propensities in formative assessments	Smart Learning Environments	10.1186/s40561-023-00283-5	First Author, Corresponding Author
85	Lai, C.-M. Leong, H.K. Teoh, Y.H. How, H.G. Le, T.D. Nguyen, H.T. Al-Attab, K.A. Zhang, S. Ansar, S. Sher, F.	Performance and emission characteristics of double split injection biodiesel engine with intake air throttling	Journal of Cleaner Production	10.1016/j.jclepro.2023.139597	First Author
86	Lin, Y.-K. Lin, Y.-H. Chiang, C.-F. Jingling, L.	Effectiveness of Fish Roe, Snow Fungus, and Yeast Supplementation for Cognitive Function: A Randomized, Double-Blind, Placebo-Controlled Clinical Trial	Nutrients	10.3390/nu15194221	First Author
87	Lu, K. Wang, H.-C. Tu, Y.-C. Chang, C.-C. Lou, P.-J. Chang, T.-C. Lin, J.-J.	Suppressing c-FOS expression by G-quadruplex ligands inhibits osimertinib-resistant non-small cell lung cancer	Journal of the National Cancer Institute	10.1093/jnci/djad142	
88	Chen, Y. Wang, R.-H. Shen, T.-J.	Biodiversity survey and estimation for line-transect sampling	Frontiers in Plant Science	10.3389/fpls.2023.1159090	Corresponding Author
89	Charest, N. Shen, Y. Lai, Y.-C. Chen, I.A. Shea, J.-E.	Discovering pathways through ribozyme fitness landscapes using information theoretic quantification of epistasis	RNA (New York, N.Y.)	10.1261/rna.079541.122	
90	Tang, K.-T. Chen, P.-A. Lee, M.-R. Lee, M.-F. Chen, Y.-H.	The relationship between exposure to polycyclic aromatic hydrocarbons and adult atopic dermatitis	Asian Pacific Journal of Allergy and Immunology	10.12932/ap-210720-0926	Corresponding Author

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