

SCOPUS資料庫收錄之TOP 10%期刊論文

Title	Authors	Year	Full date	Scopus Source title	Volume	Issue	Pages	Article number
Recent advances in design and engineering of MXene-based catalysts for photocatalysis and persulfate-based advanced oxidation processes: A state-of-the-art review	Eghbali, P.I Hassani, A.I Wacławek, S.I Andrew Lin, K.-Y.I Sayyar, Z.I Gh	2024	2024-01-15	Chemical Engineering Journal	480	-	-	147920
Electron transfer-mediated enhancement of superoxide radical generation in fenton-like process: Key role of oxygen vacancy-regulated local electron density of cobalt sites	Khiem, T.C.I Huy, N.N.I Kwon, E.I Lee, J.I Oh, W.D.I Duan, X.I Wacławek	2024	2024-04-01	Applied Catalysis B: Environmental	343	-	-	123490
Low-dose CT screening among never-smokers with or without a family history of lung cancer in Taiwan: a prospective cohort study	Chang, G.-C.I Chiu, C.-H.I Yu, C.-J.I Chang, Y.-C.I Chang, Y.-H.I Hsu, K.	2024	2024-02-01	The Lancet Respiratory Medicine	12	2	141-152	-
CNS Efficacy of Osimertinib With or Without Chemotherapy in Epidermal Growth Factor Receptor-Mutated Advanced Non-Small-Cell Lung Cancer	Jänne, P.A.I Planchard, D.I Kobayashi, K.I Cheng, Y.I Lee, C.K.I Valdiviezo	2024	2024-03-01	Journal of Clinical Oncology	42	7	808-820	-
Large-area, untethered, metamorphic, and omnidirectionally stretchable multiplexing self-powered triboelectric skins	Shao, B.I Lu, M.-H.I Wu, T.-C.I Peng, W.-C.I Ko, T.-Y.I Hsiao, Y.-C.I Che	2024	2024-12-01	Nature Communications	15	1	-	1238
GPT-3-Driven Pedagogical Agents to Train Children’s Curious Question-Asking Skills	Abdelghani, R.I Wang, Y.-H.I Yuan, X.I Wang, T.I Lucas, P.I Sauzéon, H.I	2024	2024-06-01	International Journal of Artificial Intelligence in Education	34	2	483-518	-
Turning peroxymonosulfate activation into singlet oxygen-dominated pathway for ofloxacin degradation by co-doping N and S into durian peel-derived biochar	Dung, N.T.I Thao, V.D.I Thao, N.P.I Thuy, C.T.M.I Nam, N.H.I Ngan, L.V	2024	2024-03-01	Chemical Engineering Journal	483	-	-	149099
Mechanochemical synthesis of biochar encapsulated FeMn nanoparticles with strong metal – carbon interactions for efficient degradation of tetracycline via activating peroxymonosulfate	Wang, Y.I Liu, Z.I Huang, P.I Lei, B.I Qiao, L.I Li, T.I Lin, K.-Y.A.I Wang	2024	2024-01-01	Chemical Engineering Journal	479	-	-	147525
Reverse osmosis integrated with renewable energy as sustainable technology: A review	Nurjanah, I.I Chang, T.-T.I You, S.-J.I Huang, C.-Y.I Sean, W.-Y.	2024	2024-07-20	Desalination	581	-	-	117590
Overcoming small-bandgap charge recombination in visible and NIR-light-driven hydrogen evolution by engineering the polymer photocatalyst structure	Elsayed, M.H.I Abdellah, M.I Alhakemy, A.Z.I Mekhemer, I.M.A.I Aboub	2024	2024-12-01	Nature Communications	15	1	-	707
Breathable and Stretchable Multifunctional Triboelectric Liquid-Metal E-Skin for Recovering Electromagnetic Pollution, Extracting Biomechanical Energy, and as Whole-Body Epidermal Self-Powered Sensors	Lai, Y.-C.I Ginnaram, S.I Lin, S.-P.I Hsu, F.-C.I Lu, T.-C.I Lu, M.-H.	2024	2024-03-04	Advanced Functional Materials	34	10	-	2312443
Phase 2 Trial of Cemdisiran in Adult Patients with IgA Nephropathy: A Randomized Controlled Trial	Barratt, J.I Liew, A.I Yeo, S.C.I Fernström, A.I Barbour, S.J.I Sperati, C.J.I	2024	2024-04-01	Clinical Journal of the American Society of Nephrology	19	4	452-462	-
Biotoxicity of Halide Perovskites in Mice	Li, G.I Liu, Y.-T.I Yang, F.I Li, M.I Zhang, Z.I Pascual, J.I Wang, Z.-K.I W	2024	2024-01-11	Advanced Materials	36	2	-	2306860
Durable Organic Photovoltaics Enabled by a Morphology-Stabilizing Hole-Selective Self-Assembled Monolayer	Wang, Y.I Jiang, W.I Liu, S.-C.I Lin, C.-T.I Fan, B.I Li, Y.I Gao, H.I Liu, N	2024	2024-02-02	Advanced Energy Materials	14	5	-	2303354
Load forecasting for regional integrated energy system based on two-phase decomposition and mixture prediction model	Shi, J.I Teh, J.I Alharbi, B.I Lai, C.-M.	2024	2024-06-15	Energy	297	-	-	131236
Tribological characterisation of graphene hybrid nanolubricants in biofuel engines	Lai, C.-M.I How, H.G.I Jason, Y.J.J.I Teoh, Y.H.I Yaqoob, H.I Zhang, S.I F	2024	2024-02-01	Fuel	357	-	-	129654

Association between hidradenitis suppurativa and atopic diseases: a multi-center, propensity-score-matched cohort study	Chang, H.-C. Lin, C.-Y. Guo, Y.-C. Lu, H.-Y. Lee, C.-Y. Wu, M.-C. C	2024	2024-01-01	International Journal of Medical Sciences	21	2	299-305	-
Fusion of memristor and digital compute-in-memory processing for energy-efficient edge computing	Wen, T.-H. Hung, J.-M. Huang, W.-H. Jhang, C.-J. Lo, Y.-C. Hsu, H.-F	2024	2024-04-19	Science	384	6693	325-332	-
Unraveling the Complexities of Toll-like Receptors: From Molecular Mechanisms to Clinical Applications	Chen, Y.-H. Wu, K.-H. Wu, H.-P.	2024	2024-05-01	International Journal of Molecular Sciences	25	9	-	5037
Trends and advances in sustainable bioethanol production technologies from first to fourth generation: A critical review	Abdul Kareem Joyia, M. Ahmad, M. Chen, Y.-F. Mustaqeem, M. Ali, A	2024	2024-12-01	Energy Conversion and Management	321	-	-	119037
Valorizing spent mushroom substrate into syngas by the thermo-chemical process	Lee, T. Choi, D. Park, J. Tsang, Y.F. Andrew Lin, K.-Y. Jung, S. Kwo	2024	2024-01-01	Bioresource Technology	391	-	-	130007
The application of strategy based on LSTM for the short-term prediction of PM2.5 in city	Lin, M.-D. Liu, P.-Y. Huang, C.-W. Lin, Y.-H.	2024	2024-01-01	Science of the Total Environment	906	-	-	167892
Supply chain resilience: conceptual model building and validation	Narassima, M.S. Anbuudayasankar, S.P. Mathiyazhagan, K. Ganesh, K.	2024	2024-01-01	International Journal of Logistics Research and Applications	27	5	781-813	-
The empirical study of digital marketing strategy and performance in small and medium-sized enterprises (SMEs)	Wu, C.-W. Botella-Carrubi, D. Blanco-González-Tejero, C.	2024	2024-03-01	Technological Forecasting and Social Change	200	-	-	123142
A 12-week randomized double-blind clinical trial of eicosapentaenoic acid intervention in episodic migraine	Wang, H.-F. Liu, W.-C. Zailani, H. Yang, C.-C. Chen, T.-B. Chang, C.	2024	2024-05-01	Brain, Behavior, and Immunity	118	-	459-467	-
Recent advances in liquid fuel production from plastic waste via pyrolysis: Emphasis on polyolefins and polystyrene	Valizadeh, S. Valizadeh, B. Seo, M.W. Choi, Y.J. Lee, J. Chen, W.-H.	2024	2024-04-01	Environmental Research	246	-	-	118154
Recent advances in catalyst design, performance, and challenges of metal-heteroatom-co-doped biochar as peroxymonosulfate activator for environmental remediation	Manickavasagam, G. He, C. Lin, K.-Y.A. Saaid, M. Oh, W.-D.	2024	2024-07-01	Environmental Research	252	-	-	118919
Early fault prediction for wind turbines based on deep learning	Lin, K.-C. Hsu, J.-Y. Wang, H.-W. Chen, M.-Y.	2024	2024-04-01	Sustainable Energy Technologies and Assessments	64	-	-	103684
Genomic data provide insights into the classification of extant termites	Hellemans, S. Rocha, M.M. Wang, M. Romero Arias, J. Aanen, D.K. B	2024	2024-12-01	Nature Communications	15	1	-	6724
Multiple-objective optimization on ammonia decomposition using membrane reactor	Chen, W.-H. Chou, W.-S. Chein, R.-Y. Hoang, A.T. Juan, J.C.	2024	2024-01-02	International Journal of Hydrogen Energy	52	-	1002-1017	-
Programmed Lung Metastasis Immunotherapy via Cascade-Responsive Cell Membrane-Mimetic Copolymer-Wrapped Nanoraspberry-Mediated Elesclomol-Copper Delivery	Huynh, T.M.H. Luc, V.-S. Chiang, M.-R. Weng, W.-H. Chang, C.-W. C	2024	2024-08-22	Advanced Functional Materials	34	34	-	2401806
A novel effective halogen-free biomass-based chitosan derived flame retardant through microencapsulation technology for improved flame retardancy, thermal stability of polyurethane	Liu, S.-H. Kuan, C.-F. Ke, C. Shen, M. Chiang, C.-L.	2024	2024-01-01	Polymer Degradation and Stability	219	-	-	110604
Atomically synergistic Zn-Cr catalyst for iso-stoichiometric co-conversion of ethane and CO2 to ethylene and CO	Yang, J. Wang, L. Wan, J. El Gabaly, F. Fernandes Cauduro, A.L. Mill	2024	2024-12-01	Nature Communications	15	1	-	911
Ultrahigh zT from strong electron-phonon interactions and a low-dimensional Fermi surface	Ranganayakulu, V.K. Wang, T.-H. Chen, C.-L. Huang, A. Ma, M.-H. W	2024	2024-01-27	Energy and Environmental Science	17	5	1904-1915	-
Phyllanthus emblica L. polysaccharides ameliorate colitis via microbiota modulation and dual inhibition of the RAGE/NF- κ B and MAPKs signaling pathways in rats	Chen, Y.-Y. Chen, S.-Y. Chang, H.-Y. Liu, Y.-C. Chuang, B.-F. Yen, C	2024	2024-02-01	International Journal of Biological Macromolecules	258	-	-	129043

Ultralow Off-State Current and Multilevel Resistance State in Van der Waals Heterostructure Memristors	Liu, X.I Zhang, C.I Li, E.I Gao, C.I Wang, R.I Liu, Y.I Liu, F.I Shi, W.I Yu	2024	2024-04-10	Advanced Functional Materials	34	15	-	2309642
Production of light olefins and monocyclic aromatic hydrocarbons from the pyrolysis of waste plastic straws over high-silica zeolite-based catalysts	Valizadeh, B.I Valizadeh, S.I Kim, H.I Choi, Y.J.I Seo, M.W.I Yoo, K.S.I L	2024	2024-03-15	Environmental Research	245	-	-	118076
The impact of sodium-glucose co-transporter-2 inhibitors on dementia and cardiovascular events in diabetic patients with atrial fibrillation	Chen, Y.-Y.I Chang, H.-C.I Lin, Y.-J.I Chien, K.-L.I Hsieh, Y.-C.I Chung,	2024	2024-02-01	Diabetes/Metabolism Research and Reviews	40	2	-	e3775
Modification of cellulosic adsorbent via iron-based metal phenolic networks coating for efficient removal of chromium ion	Lunardi, V.B.I Cheng, K.-C.I Lin, S.-P.I Angkawijaya, A.E.I Go, A.W.I So	2024	2024-02-15	Journal of Hazardous Materials	464	-	-	132973
Atomic-level insights of enhanced interfacial charge transfer and active sites on self-assembly p-p heterostructure based on BiVO4/SnO2 for highly selective NO2 sensing	Kumar, U.I Yang, C.-X.I Deng, Z.-Y.I Lin, C.-E.I Yadav, B.C.I Wu, C.-H.	2024	2024-03-15	Sensors and Actuators B: Chemical	403	-	-	135144
A Self-Cascade Penetrating Brain Tumor Immunotherapy Mediated by Near-Infrared II Cell Membrane-Disrupting Nanoflakes via Detained Dendritic Cells	Yalamandala, B.N.I Chen, Y.-J.I Lin, Y.-H.I Huynh, T.M.H.I Chiang, W.-F	2024	2024-07-16	ACS Nano	18	28	18712-187	-
Rice straw-derived chitosan-enhanced plasticizers as biologically and environmentally friendly alternatives for sustainable materials	Shi, S.-C.I Lu, F.-I.I Wang, C.-Y.I Chen, Y.-T.I Tee, K.-W.I Lin, R.-C.I Tsai	2024	2024-04-01	International Journal of Biological Macromolecules	264	-	-	130547
Efficient Permeable Monolithic Hybrid Tribo-Piezo-Electromagnetic Nanogenerator Based on Topological-Insulator-Composite	Shao, B.I Lu, T.-C.I Lu, M.-H.I Chen, Y.-T.I Wu, T.-C.I Peng, W.-C.I Ko, Y	2024	2024-10-10	Advanced Materials	36	41	-	2408936
Snippet Policy Network V2: Knee-Guided Neuroevolution for Multi-Lead ECG Early Classification	Huang, Y.I Yen, G.G.I Tseng, V.S.	2024	2024-02-01	IEEE Transactions on Neural Networks and Learning Systems	35	2	2167-2181	-
Attenuation of PI3K-Akt-mTOR Pathway to Reduce Cancer Stemness on Chemoresistant Lung Cancer Cells by Shikonin and Synergy with BEZ235 Inhibitor	Huang, Y.-H.I Chiu, L.-Y.I Tseng, J.-S.I Hsu, K.-H.I Chen, C.-H.I Sheu, G.	2024	2024-01-01	International Journal of Molecular Sciences	25	1	-	616
Screening for Helicobacter pylori to Prevent Gastric Cancer: A Pragmatic Randomized Clinical Trial	Lee, Y.-C.I Chiang, T.-H.I Chiu, H.-M.I Su, W.-W.I Chou, K.-C.I Chen, S.	2024	2024-11-19	JAMA	332	19	-	-
Recrystallized hard zone and resultant tri-modal microstructure produces superior mechanical properties in a single-phase heterostructured high-entropy alloy	Tung, S.-Y.I Hsu, T.-E.I Zhu, Y.I Tsai, M.-H.	2024	2024-07-01	Acta Materialia	273	-	-	119957
PEGylated chitosan-coated nanophotosensitizers for effective cancer treatment by photothermal-photodynamic therapy combined with glutathione depletion	Chen, Y.-H.I Liu, I.-J.I Lin, T.-C.I Tsai, M.-C.I Hu, S.-H.I Hsu, T.-C.I Wu,	2024	2024-05-01	International Journal of Biological Macromolecules	266	-	-	131359
Emergent parallel transport and curvature in Hermitian and non-Hermitian quantum mechanics	Ju, C.-Y.I Miranowicz, A.I Chen, Y.-N.I Chen, G.-Y.I Nori, F.	2024	2024-01-01	Quantum	8	-	-	-
Multiscale Anion-Hybrid in Atomic Ni Sites for High-Rate Water Electrolysis: Insights into the Charge Accumulation Mechanism	Li, Y.I Peng, Y.I Dong, W.I Jiang, X.I Lu, L.I Yang, D.I Hsu, L.-C.I Li, W.	2024	2024-05-22	Journal of the American Chemical Society	146	20	14194-142	-
The effects of landscape fascination on subjective well-being and revisit intention: Evidence from agritourism destinations	Dat, L.T.I Wu, H.C.I Li, T.-N.I Huang, W.-S.I Liou, G.-B.I Hsieh, C.-M.	2024	2024-01-01	International Journal of Tourism Research	26	1	-	e2621
An Electrically Tunable Dual-Mode Laser Based on Self-Assembled Soft Photonic Liquid Crystals	Tsao, Y.-C.I Chen, H.-Y.I Chen, Y.-F.	2024	2024-04-25	Advanced Functional Materials	34	17	-	2311510
Toward sustainability of Waste-to-Energy: An overview	Hsu, H.-W.I Binyet, E.I Nugroho, R.A.A.I Wang, W.-C.I Srinophakun, P.I	2024	2024-12-01	Energy Conversion and Management	321	-	-	119063

Enhanced electrochemical efficiency of the open porous sandrose structured electrocatalyst for sustainable hydrogen and oxygen evolution reactions	Pitchai, C.I Vedanarayanan, M.I Chen, C.-M.I Gopalakrishnan, S.M.	2024	2024-06-27	International Journal of Hydrogen Energy	72	-	755-763	-
Physicochemical and release properties of anthocyanin gastric floating tablets colloidized with κ -carrageenan/metal ions	Yuan, K.-C.I Chiang, Y.-C.I Li, P.-H.I Chiang, P.-Y.	2024	2024-05-01	Food Hydrocolloids	150	-	-	109674
Plasma-Driven Selenization for Electrical Property Enhancement in Janus 2D Materials	He, S.-M.I Zhuang, J.-Y.I Chen, C.-F.I Liao, R.-K.I Lo, S.-T.I Lin, Y.-F.I S	2024	2024-10-18	Small Methods	8	10	-	2400150
The NLRP3 Inflammasome as a Pathogenic Player Showing Therapeutic Potential in Rheumatoid Arthritis and Its Comorbidities: A Narrative Review	Chen, P.-K.I Tang, K.-T.I Chen, D.-Y.	2024	2024-01-01	International Journal of Molecular Sciences	25	1	-	626
Exploration of maximum wall deflection and stability for deep excavation in loose to medium-dense sand	Hsiung, B.-C.B.I Phan, H.K.	2024	2024-01-01	Acta Geotechnica	19	1	531-547	-
Optimal Resource Allocation Using Genetic Algorithm in Container-Based Heterogeneous Cloud	Chen, Q.-H.I Wen, C.-Y.	2024	2024-01-01	IEEE Access	12	-	7413-7429	-
Over 98% Efficiency SiC-MOSFET Based Four-Phase Interleaved Bidirectional DC-DC Converter Featuring Wide-Range Voltage Ratio	Liu, S.I Dong, G.I Mishima, T.I Lai, C.-M.	2024	2024-07-01	IEEE Transactions on Power Electronics	39	7	8436-8455	-
Reduced atopic march risk in pediatric atopic dermatitis patients prescribed dupilumab versus conventional immunomodulatory therapy: A population-based cohort study	Lin, T.-L.I Fan, Y.-H.I Fan, K.-S.I Juan, C.-K.I Chen, Y.-J.I Wu, C.-Y.	2024	2024-09-01	Journal of the American Academy of Dermatology	91	3	466-473	-
Highly Efficient Room Temperature NO2 Sensor Using Two-Phase TiOx Heterogeneous Nanoparticles	Huang, K.-W.I Sivakumar, C.I Wu, C.-H.I Lee, C.-W.I Lee, W.-E.I Tsai, F.	2024	2024-02-28	ACS Applied Materials and Interfaces	16	8	10485-104	-
Direct conversion of apricot seeds into biodiesel	Kim, M.I Choi, D.I Kim, J.Y.I Jung, S.I Tsang, Y.F.I Lin, K.-Y.A.I Kwon, I	2024	2024-03-01	Bioresource Technology	395	-	-	130339
Efficient ethidium bromide removal using sodium alginate/graphene oxide composite beads: Insights into adsorption mechanisms and performance	Chang, P.-H.I Yang, Y.I Wen, Y.I Ahmed, M.M.M.I Chang, J.-C.I Chang, Y	2024	2024-11-15	Chemical Engineering Journal	500	-	-	156379
Effects of member similarity on group norm conformity, group identity and social participation inthe context of social networking sites	Wang, E.I Liao, Y.-T.	2024	2024-05-21	Internet Research	34	3	868-890	-
Bacillus Sp. as Potential Probiotics for Use in Tilapia Fish Farming Aquaculture - A Review	Vijayaram, S.I Chou, C.-C.I Razafindralambo, H.I Ghafarifarsani, H.I Divs	2024	2024-10-01	Annals of Animal Science	24	4	995-1006	-
Aberrantly downregulated FENDRR by arecoline elevates ROS and myofibroblast activation via mitigating the miR-214/MFN2 axis	Liao, Y.-W.I Yu, C.-C.I Hsieh, C.-W.I Chao, S.-C.I Hsieh, P.-L.	2024	2024-04-01	International Journal of Biological Macromolecules	264	-	-	130504
Advanced TiO2/Al2O3 Bilayer ALD Coatings for Improved Lithium-Rich Layered Oxide Electrodes	Chen, W.-M.I Hsieh, H.-Y.I Wu, D.-Z.I Tang, H.-Y.I Chang-Liao, K.-S.I C	2024	2024-03-13	ACS Applied Materials and Interfaces	16	10	13029-130	-
Sustainable cement and clay support in Ni – Cu/Al2O3 catalysts for enhancing hydrogen production from methanol steam reforming	Chen, W.-H.I Cheng, C.-Y.I Chih, Y.-K.I Chein, R.-Y.I Ubando, A.T.I Tab	2024	2024-02-07	International Journal of Hydrogen Energy	54	-	267-283	-
Passivation mechanisms of CoCrFeNiMox (x = 0, 0.1, 0.2, 0.3) high entropy alloys and MP35N in 3.5 wt% NaCl aerated aqueous solutions	Yen, C.-C.I Lin, S.-Y.I Ting, C.-L.I Tsai, T.-L.I Chen, Y.-T.I Yen, S.-K.	2024	2024-03-01	Corrosion Science	228	-	-	111812
Divergence of trafficking and polarization mechanisms for PIN auxin transporters during land plant evolution	Tang, H.I Lu, K.-J.I Zhang, Y.I Cheng, Y.-L.I Tu, S.-L.I Friml, J.	2024	2024-01-08	Plant Communications	5	1	-	100669
Fenugreek bioactive compounds: A review of applications and extraction based on emerging technologies	Gavahian, M.I Bannikoppa, A.M.I Majzoobi, M.I Hsieh, C.-W.I Lin, J.I Far	2024	2024-01-01	Critical Reviews in Food Science and Nutrition	64	28	10187-102	-

A machine learning-based ensemble model for estimating diurnal variations of nitrogen oxide concentrations in Taiwan	Asri, A.K.I Lee, H.-Y.I Chen, Y.-L.I Wong, P.-Y.I Hsu, C.-Y.I Chen, P.-C.	2024	2024-03-15	Science of the Total Environment	916	-	-	170209
SARS-CoV-2 nucleocapsid protein, rather than spike protein, triggers a cytokine storm originating from lung epithelial cells in patients with COVID-19	Wang, Y.I Tsai, C.-H.I Wang, Y.-C.I Yen, L.-C.I Chang, Y.-W.I Sun, J.-R.	2024	2024-06-01	Infection	52	3	955-983	-
Improving Sensitivity and Reproducibility of Surface-Enhanced Raman Scattering Biochips Utilizing Magnetoplasmonic Nanoparticles and Statistical Methods	Lin, C.-W.I Chen, L.-Y.I Huang, Y.-C.I Kumar, P.I Guo, Y.-Z.I Wu, C.-H.I	2024	2024-01-26	ACS Sensors	9	1	305-314	-
Arabidopsis leaf-expressed AGAMOUS-LIKE 24 mRNA systemically specifies floral meristem differentiation	Huang, N.-C.I Tien, H.-C.I Yu, T.-S.	2024	2024-01-01	New Phytologist	241	1	504-515	-
Enhanced visible-light photocatalytic activity of Fe3O4@MoS2@Au nanocomposites for methylene blue degradation through Plasmon-Induced charge transfer	Kumar, P.I Deng, Z.-Y.I Tsai, P.-Y.I Chiu, C.-Y.I Lin, C.-W.I Chaudhary, I	2024	2024-08-21	Separation and Purification Technology	342	-	-	126988
The Browning Properties, Antioxidant Activity, and α -Glucosidase Inhibitory Improvement of Aged Oranges (Citrus sinensis)	Hsu, T.-Y.I Yang, K.-M.I Chiang, Y.-C.I Lin, L.-Y.I Chiang, P.-Y.	2024	2024-04-01	Foods	13	7	-	1093
A newly evolved rice-specific gene JAUP1 regulates jasmonate biosynthesis and signalling to promote root development and multi-stress tolerance	Muzaffar, A.I Chen, Y.-S.I Lee, H.-T.I Wu, C.-C.I Le, T.T.I Liang, J.-Z.I L	2024	2024-05-01	Plant Biotechnology Journal	22	5	1417-1432	-
Development of an immersive virtual reality system for learning about plants in primary education: evaluation of teachers' perceptions and learners' flow experiences and learning attitudes	Cheng, K.-H.	2024	2024-04-01	Educational Technology Research and Development	72	2	845-867	-
Kefir peptides mitigate bleomycin-induced pulmonary fibrosis in mice through modulating oxidative stress, inflammation and gut microbiota	Lan, Y.-W.I Chen, Y.-C.I Yen, C.-C.I Chen, H.-L.I Tung, M.-C.I Fan, H.-C	2024	2024-05-01	Biomedicine and Pharmacotherapy	174	-	-	116431
Adsorption behavior of heavy metals onto microplastics derived from conventional and biodegradable commercial plastic products	Chen, P.-W.I Hsiao, M.-N.I Xiao, L.-W.I Liu, Z.-S.	2024	2024-11-15	Science of the Total Environment	951	-	-	175537
Global epidemiology and antimicrobial resistance of Enterobacterales harbouring genes encoding OXA-48-like carbapenemases: insights from the results of the Antimicrobial Testing Leadership and Surveillance (ATLAS) programme 2018-2021	Lee, Y.-L.I Wang, W.-Y.I Ko, W.-C.I Hsueh, P.-R.	2024	2024-07-01	Journal of Antimicrobial Chemotherapy	79	7	1581-1589	-
Visually Interpretable Fuzzy Neural Classification Network With Deep Convolutional Feature Maps	Juang, C.-F.I Cheng, Y.-W.I Lin, Y.-M.	2024	2024-03-01	IEEE Transactions on Fuzzy Systems	32	3	1063-1077	-
Risk of Diabetic Retinopathy in Patients With Type 2 Diabetes After SGLT-2 Inhibitors: A Nationwide Population Cohort Study	Huang, S.-T.I Bair, P.-J.I Chang, S.-S.I Kao, Y.-N.I Chen, S.-N.I Wang, I.-I	2024	2024-01-01	Clinical Pharmacology and Therapeutics	115	1	95-103	-
MESPEUS:ã database of metal coordination groups in proteins	Lin, G.-Y.I Su, Y.-C.I Huang, Y.L.I Hsin, K.-Y.	2024	2024-01-05	Nucleic Acids Research	52	1	D483-D49	-
Associations between the artificial intelligence scoring system and live birth outcomes in preimplantation genetic testing for aneuploidy cycles	Lee, C.-I.I Huang, C.-C.I Lee, T.-H.I Chen, H.-H.I Cheng, E.-H.I Lin, P.-Y.	2024	2024-12-01	Reproductive Biology and Endocrinology	22	1	-	12
Key Transdermal Patch Using Cannabidiol-Loaded Nanocarriers with Better Pharmacokinetics in vivo	Chu, P.-C.I Liao, M.-H.I Liu, M.-G.I Li, C.-Z.I Lai, P.-S.	2024	2024-01-01	International Journal of Nanomedicine	19	-	4321-4337	-

Copper recovery from treatment of simulated copper-iron wastewater using fluidized-bed homogeneous crystallization technology	Jeremias, J.S.I Dalida, M.L.I Lu, M.-C.	2024	2024-01-10	Journal of Cleaner Production	436	-	-	140604
Development of intelligent Municipal Solid waste Sorter for recyclables	Lin, Y.-H.I Mao, W.-L.I Fathurrahman, H.I.K.	2024	2024-02-15	Waste Management	174	-	597-604	-
Pulse electric field pretreatment delays the texture deterioration of sweet persimmon (Diospyros kaki L.) during postharvest storage	Lin, S.-H.I Chang, C.-K.I Lin, C.-T.I Gavahian, M.I Li, P.-H.I Tsai, S.-Y.I	2024	2024-01-01	LWT	191	-	-	115711
Application of electro-Fenton technology for the degradation of imidacloprid from pesticide wastewater	Wang, J.-Z.I Ha, T.-H.I Chiemchaisri, C.I Lu, M.-C.	2024	2024-06-01	Journal of Water Process Engineering	63	-	-	105504
Estimating wildfire potential in Taiwan under different climate change scenarios	Yu, H.W.I Wang, S.Y.S.I Liu, W.Y.	2024	2024-01-01	Climatic Change	177	1	-	13
The rice endophytic bacterium Bacillus velezensis LS123N provides protection against multiple pathogens and enhances rice resistance to wind with increase in yield	Tu, C.-K.I Huang, W.-D.I Wang, P.-H.I Lin, W.-L.I Chen, H.-Y.I Rau, S.-T	2024	2024-05-01	Biological Control	192	-	-	105507
Effects of a Programming Course Using the GAME Model on Undergraduates’ Self-Efficacy and Basic Programming Concepts	Tsai, C.-Y.I Chen, Y.-A.I Hsieh, F.-P.I Chuang, M.-H.I Lin, C.-L.	2024	2024-06-01	Journal of Educational Computing Research	62	3	702-724	-
Estimating morning and evening commute period O3 concentration in Taiwan using a fine spatial-temporal resolution ensemble mixed spatial model with Geo-AI technology	Hsu, C.-Y.I Lee, R.-Q.I Wong, P.-Y.I Candice Lung, S.-C.I Chen, Y.-C.I C	2024	2024-02-01	Journal of Environmental Management	351	-	-	119725
Roles of Baseline Intrinsic Capacity and its Subdomains on the Overall Efficacy of Multidomain Intervention in Promoting Healthy Aging among Community-Dwelling Older Adults: Analysis from a Nationwide Cluster-Randomized Controlled Trial	Liang, C.-K.I Lee, W.-J.I Chou, M.-Y.I Hwang, A.-C.I Lin, C.-S.I Peng, L.	2024	2024-03-01	Journal of Prevention of Alzheimer's Disease	11	2	356-365	-
Development of Multi-Source Weighted-Ensemble Precipitation: Influence of bias correction based on recurrent convolutional neural networks	Kao, Y.-C.I Tsou, H.-E.I Chen, C.-J.	2024	2024-02-01	Journal of Hydrology	629	-	-	130621
A novel anode of gold nanoparticle coated Au nanorod arrays for nonenzymatic glucose fuel cells	Ting, Y.-C.I Lin, Y.-T.I Wang, G.-J.	2024	2024-01-15	Journal of Power Sources	590	-	-	233792
Carbon-Promoted Pt-Single Atoms Anchored on RuO2 Nanorods to Boost Electrochemical Hydrogen Evolution	Huang, J.-F.I Hsieh, W.-J.I Chen, J.-L.	2024	2024-05-29	ACS Applied Materials and Interfaces	16	21	27504-275	-
Will changing land use and cropping practices affect resource use efficiency and environmental sustainability of agricultural systems? A hierarchical emergy assessment approach	Tsai, H.-W.I Lee, Y.-C.	2024	2024-03-01	Ecological Indicators	160	-	-	111933
FIB-DIC ring-core measurement of the residual stress on HiPIMS W/Cu and Cr/Cu multilayer thin films	Zeng, Z.-Y.I Nguyen, T.A.K.I Dang, N.M.I Wu, X.-W.I Chen, T.Y.-F.I Lin	2024	2024-05-15	Surface and Coatings Technology	483	-	-	130768
Comparison of torrefaction and hydrothermal carbonization of high-moisture microalgal feedstock	Zhang, C.I Chen, W.-H.I Saravanakumar, A.I Lin, K.-Y.A.I Zhang, Y.	2024	2024-05-01	Renewable Energy	225	-	-	120265
Anti-inflammatory in vitro activities of eleven selected caffeic acid derivatives based on a combination of pro-/anti-inflammatory cytokine secretions and principal component analysis – A comprehensive evaluation	Wu, T.-Y.I Chen, C.-C.I Lin, J.-Y.	2024	2024-11-15	Food Chemistry	458	-	-	140201
Cross-Scale Fusion Transformer for Histopathological Image Classification	Huang, S.-K.I Yu, Y.-T.I Huang, C.-R.I Cheng, H.-C.	2024	2024-01-01	IEEE Journal of Biomedical and Health Informatics	28	1	297-308	-

Acceleration of adsorption of heavy metal ion micelles onto iron/polyvinyltetrazole adsorbents with dielectrophoresis force under polarization	Chen, J.-K. Wang, Y.-X. Huang, C.-F. Liu, H.-W.	2024	2024-02-01	Journal of Water Process Engineering	58	-	-	104793
Repairing Interfacial Defects in Self-Assembled Monolayers for High-Efficiency Perovskite Solar Cells and Organic Photovoltaics through the SAM@Pseudo-Planar Monolayer Strategy	Hung, C.-M. Wu, C.-C. Yang, Y.-H. Chen, B.-H. Lu, C.-H. Chu, C.-C.	2024	2024-09-25	Advanced Science	11	36	-	2404725
Topological-Insulator Nanocomposite and Graphite-Like Tribo-Charge-Accumulating Fabric Enabling High-performance Non-Contact Stretchable and Textile-Based Triboelectric Nanogenerators with Robust Charge Retention	Chou, S.-H. Chen, Y.-T. Yan, Z.-X. Lu, T.-C. Wu, T.-C. Lu, M.-H. Ko	2024	2024-10-04	Advanced Energy Materials	14	37	-	2402169
Glutamine induces lateral root initiation, stress responses, and disease resistance in Arabidopsis	Liao, H.-S. Lee, K.-T. Chung, Y.-H. Chen, S.-Z. Hung, Y.-J. Hsieh, M.	2024	2024-07-01	Plant Physiology	195	3	2289-2308	-
Promotion of phosphate release from humic acid-iron hydroxide coprecipitates in the presence of citric acid	Ahmed, M.M.M. Chen, K.-Y. Tsao, F.-Y. Hsieh, Y.-C. Liu, Y.-T. Tzou	2024	2024-01-01	Environmental Research	240	-	-	117517
Targeting the receptor binding domain and heparan sulfate binding for antiviral drug development against SARS-CoV-2 variants	Yang, Z.-S. Li, T.-S. Huang, Y.-S. Chang, C.-C. Chien, C.-M.	2024	2024-12-01	Scientific Reports	14	1	-	2753
Lung metastasis-Harnessed in-Situ adherent porous organic nanosponge-mediated antigen capture for A self-cascaded detained dendritic cells and T cell infiltration	Wu, T.-H. Lu, Y.-J. Chiang, M.-R. Chen, P.-H. Lee, Y.-S. Shen, M.-Y.	2024	2024-03-01	Biomaterials	305	-	-	122443
Diffusion-Controlled Morphology Modification via Employing Host/Guest Acceptors to Improve the Stability of Organic Photovoltaics	Wang, Y. Gao, H. Sun, M. Lin, C.-T. Li, H. Lin, F.R. Fan, B. Li, Z. Z	2024	2024-05-17	Advanced Energy Materials	14	19	-	2304449
NRC Immune receptor networks show diversified hierarchical genetic architecture across plant lineages	Goh, F.-J. Huang, C.-Y. Derevnina, L. Wu, C.-H.	2024	2024-09-01	Plant Cell	36	9	3399-3418	-
Conserved regulatory switches for the transition from natal down to juvenile feather in birds	Chen, C.-K. Chang, Y.-M. Jiang, T.-X. Yue, Z. Liu, T.-Y. Lu, J. Yu, Z	2024	2024-12-01	Nature Communications	15	1	-	4174
Enhanced electrochemical performance of a LiFePO4 cathode with an environmentally friendly pectin/polyethylene glycol binder	Chen, Y.-R. Chen, L.-Y. Chung, C.-Y. Su, Y.-H. Wu, F.-Y. Hsu, T.-M.	2024	2024-09-01	Journal of Power Sources	613	-	-	234861
Fabrication of sandwich-structured capacitor containing core@shell polystyrene@graphene oxide microspheres for switchable removal of dyes from water by dielectrophoresis force	Chen, W.-L. Cheng, C.-C. Lu, C.-H. Chen, J.-K.	2024	2024-03-01	Separation and Purification Technology	331	-	-	125600
A new 2D ESPH bedload sediment transport model for rapidly varied flows over mobile beds	Chang, K.-H. Wu, Y.-T. Wang, C.-H. Chang, T.-J.	2024	2024-05-01	Journal of Hydrology	634	-	-	131002
Influence of Inorganic Anions on the Chemical Stability of Molybdenum Disulfide Nanosheets in the Aqueous Environment	Lee, T.-W. Chen, C.	2024	2024-02-06	Environmental Science and Technology	58	5	2490-2501	-
4D-Printed Elution-Peak-Guided Dual-Responsive Monolithic Packing for the Solid-Phase Extraction of Metal Ions	Tsai, W.-H. Su, C.-K.	2024	2024-03-19	Analytical Chemistry	96	11	4469-4478	-
Climate resilience model on Arctic tourism: perspectives from tourism professionals	Chen, J.S. Wang, W. Kim, H. Liu, W.-Y.	2024	2024-01-01	Tourism Recreation Research	49	5	1114-1125	-
Lactoferrin as a therapeutic agent for attenuating hepatic stellate cell activation in thioacetamide-induced liver fibrosis	Pu, T.-Y. Chuang, K.-C. Tung, M.-C. Yen, C.-C. Chen, Y.-H. Cidem, A	2024	2024-05-01	Biomedicine and Pharmacotherapy	174	-	-	116490

Achieving sustainability in heat drying processing: Leveraging artificial intelligence to maintain food quality and minimize carbon footprint	Yudhistira, B.I Adi, P.I Mulyani, R.I Chang, C.-K.I Gavahian, M.I Hsieh, C	2024	2024-09-01	Comprehensive Reviews in Food Science and Food Safety	23	5	-	e13413
Output Recurrent Fuzzy Broad Learning Systems for Adaptive MIMO PID Control: Theory, Simulations, and Application	Rospawan, A.I Tsai, C.-C.I Hung, C.-C.	2024	2024-01-01	IEEE Access	12	-	19388-194	-
Dual-targeting compounds possessing enhanced anticancer activity via microtubule disruption and histone deacetylase inhibition	Tseng, Y.-W.I Yang, T.-J.I Hsu, Y.-L.I Liu, J.-H.I Tseng, Y.-C.I Hsu, T.-W	2024	2024-02-05	European Journal of Medicinal Chemistry	265	-	-	116042
Impact of reactor architecture and design parameters on the performance of microbial electrolysis cells revealed by the electrode potential slope analysis	Wang, L.I Du, H.I Elsyed, A.F.N.I Yun, N.I Wang, X.I Rossi, R.	2024	2024-05-01	Electrochimica Acta	485	-	-	144072
Quantifying source contributions to ambient NH3 using Geo-AI with time lag and parcel tracking functions	Wu, C.-D.I Zhu, J.-J.I Hsu, C.-Y.I Shie, R.-H.	2024	2024-03-01	Environment International	185	-	-	108520
Heteroepitaxially grown homojunction gallium oxide PN diodes using ion implantation technologies	Huang, C.-Y.I Tsai, X.-Y.I Tarntair, F.-G.I Langpoklakpam, C.I Ngo, T.S.I	2024	2024-06-01	Materials Today Advances	22	-	-	100499
A review of equivalent-circuit model, degradation characteristics and economics of Li-ion battery energy storage system for grid applications	Zheng, S.I Teh, J.I Alharbi, B.I Lai, C.-M.	2024	2024-11-10	Journal of Energy Storage	101	-	-	113908
Symmetry in Blockchain-Powered Secure Decentralized Data Storage: Mitigating Risks and Ensuring Confidentiality	Lin, I.-C.I Kuo, Y.-H.I Chang, C.-C.I Liu, J.-C.I Chang, C.-C.	2024	2024-02-01	Symmetry	16	2	-	147
Identifying mainstreams of contemporary digital reading research: insights from a co-citation network analysis and systematic review	Tang, K.I Tseng, Y.-H.I Tu, Y.-F.	2024	2024-01-01	Interactive Learning Environments	32	7	3913-3930	-
Enhanced electrical properties of amorphous In-Sn-Zn oxides through heterostructuring with Bi2Se3 topological insulators	Wang, C.-C.I Lo, A.-Y.I Cheng, M.-C.I Chang, Y.-S.I Shih, H.-C.I Shieu, F	2024	2024-12-01	Scientific Reports	14	1	-	195
Prescription of glucagon-like peptide 1 agonists and risk of subsequent open-angle glaucoma in individuals with type 2 diabetes mellitus	Chuang, C.-C.I Wang, K.I Chang, C.-K.I Lee, C.-Y.I Huang, J.-Y.I Wu, H.-	2024	2024-01-01	International Journal of Medical Sciences	21	3	540-546	-
N-acetyl Cysteine Overdose Induced Acute Toxicity and Hepatic Microvesicular Steatosis by Disrupting GSH and Interfering Lipid Metabolisms in Normal Mice	Tsai, M.-S.I Liou, G.-G.I Liao, J.-W.I Lai, P.-Y.I Yang, D.-J.I Wu, S.-H.I W	2024	2024-07-01	Antioxidants	13	7	-	832
Association of sodium-glucose cotransporter 2 inhibitors with risk of incident dementia and all-cause mortality in older patients with type 2 diabetes: A retrospective cohort study using the TriNetX US collaborative networks	Pai, Y.-W.I Chen, I.-C.I Lin, J.-F.I Chen, X.-H.I Chen, H.-H.I Chang, M.-H	2024	2024-11-01	Diabetes, Obesity and Metabolism	26	11	5420-5430	-
Social influence and climate change issues affecting consumer behavioral intention toward carbon footprint label: A study of Taiwanese consumers	Laksmawati, W.K.I Hsieh, C.-M.I Yang, S.-H.	2024	2024-03-10	Journal of Cleaner Production	444	-	-	141092
Automated progress monitoring of land development projects using unmanned aerial vehicles and machine learning	Han, J.-Y.I Hsu, C.-R.I Huang, C.-J.	2024	2024-12-01	Automation in Construction	168	-	-	105827
Double Anthracene-Based Sensitizers for High-Efficiency Dye-Sensitized Solar Cells under Both Sunlight and Indoor Light	Faraghally, F.A.I Musa, A.F.I Chen, C.-C.I Chen, Y.-H.I Chen, Y.-D.I Yeh.	2024	2024-11-01	Small Structures	5	11	-	2400236
Fabrication of Self-Wrinkling Polymer Films with Tunable Patterns through an Interfacial-Fuming-Induced Surface Instability Process	Chen, Y.-C.I Luo, Y.-W.I Huang, C.-Y.I Li, Y.-L.I Chen, T.-L.I Xu, T.-Y.I	2024	2024-05-09	Small	20	19	-	2311679

Anti-Inflammatory Effects of Anthocyanin-Enriched Black Soybean Seed Coat (BSSC) Crude Extract on LPS-Induced Acute Liver Injury in Mice	Tung, Y.-T. Tung, C.-L. Hsieh, C.-C. Huang, Y.-C. Li, S. Tung, C.-L.	2024	2024-03-01	Antioxidants	13	3	-	311
SPHK1 promotes bladder cancer metastasis via PD-L2/c-Src/FAK signaling cascade	Kao, W.-H. Liao, L.-Z. Chen, Y.-A. Lo, U.-G. Pong, R.-C. Hernandez,	2024	2024-09-01	Cell Death and Disease	15	9	-	678
N ϵ -(1-Carboxymethyl)-L-lysine/RAGE Signaling Drives Metastasis and Cancer Stemness through ERK/NF κ B axis in Osteosarcoma	Chang, T.-Y. Lan, K.-C. Wu, C.-H. Sheu, M.-L. Yang, R.-S. Liu, S.-H.	2024	2024-01-01	International Journal of Biological Sciences	20	3	880-896	-
Roles and research trends of ChatGPT-based learning: A bibliometric analysis and systematic review	Chang, C.-Y. Chen, I.-H. Tang, K.-Y.	2024	2024-01-01	Educational Technology and Society	27	4	471-486	-
Pioneering Astaxanthin-Tumor Cell Membrane Nanoparticles for Innovative Targeted Drug Delivery on Melanoma	Chang, J.-J. Wang, Y.-C. Yang, S.-H. Wu, J.-Y. Chang, M.-W. Wang, J.	2024	2024-01-01	International Journal of Nanomedicine	19	-	2395-2407	-
Fractional condensation of bio-oil vapors from pyrolysis of various sawdust wastes in a bench-scale bubbling fluidized bed reactor	Chai, S. Kang, B.S. Valizadeh, B. Valizadeh, S. Hong, J. Jae, J. Andreu,	2024	2024-02-01	Chemosphere	350	-	-	141121
Flushing emissions of methane and carbon dioxide from mangrove soils during tidal cycles	Lin, C.-W. Lin, W.-J. Ho, C.-W. Kao, Y.-C. Yong, Z.-J. Lin, H.-J.	2024	2024-04-01	Science of the Total Environment	919	-	-	170768
FluoroFusion: NHC-Catalyzed Nucleophilic Aromatic Substitution Reaction Unveils Functional Perfluorinated Diarylmethanones	Chan, C.-L. Lee, S.-C. Lin, P.-S. Tapales, R.V.P.P. Li, J.-S. Lai, C.-A.	2024	2024-03-22	Organic Letters	26	11	2338-2342	-
Targeting Dual Immune Checkpoints PD-L1 and HLA-G by Trispecific T Cell Engager for Treating Heterogeneous Lung Cancer	Lin, Y.-C. Chen, M.-C. Huang, S.-W. Chen, Y. Ho, J.H.-C. Lin, F.-Y.	2024	2024-11-06	Advanced Science	11	41	-	2309697
Reinforcement Learning of an Interpretable Fuzzy System Through a Neural Fuzzy Actor-Critic Framework for Mobile Robot Control	Juang, C.-F. You, Z.-B.	2024	2024-06-01	IEEE Transactions on Fuzzy Systems	32	6	3655-3668	-
Phyllanthus emblica Fruit Improves Obesity by Reducing Appetite and Enhancing Mucosal Homeostasis via the Gut Microbiota-Brain-Liver Axis in HFD-Induced Leptin-Resistant Rats	Chang, H.-Y. Chen, S.-Y. Lin, J.-A. Chen, Y.-Y. Chen, Y.-Y. Liu, Y.-C.	2024	2024-05-08	Journal of Agricultural and Food Chemistry	72	18	10406-104	-
The effect of photolysis of sodium citrate treated with gold chloride using coloured light on the generation of gold nanoparticles and the repression of WiDr colon cancer cells	Cheng, C.-W. Lee, S.-Y. Zhan, S.-Q. Huang, C.-L. Chen, T.-Y. Yuann,	2024	2024-02-01	Journal of Photochemistry and Photobiology B: Biology	251	-	-	112844
Use of natural peptide TP4 as a food preservative prevents contamination by fungal pathogens	Hazam, P.K. Selvaraj, S.P. Negi, A. Lin, W.-C. Chen, J.-Y.	2024	2024-10-15	Food Chemistry	455	-	-	139874
The AT-hook protein AHL29 promotes Bacillus subtilis colonization by suppressing SWEET2-mediated sugar retrieval in Arabidopsis roots	Wu, Y.-C. Yu, C.-W. Chiu, J.-Y. Chiang, Y.-H. Mitsuda, N. Yen, X.-C.	2024	2024-04-01	Plant Cell and Environment	47	4	1084-1098	-
Production of Bioactive Porcine Lactoferrin through a Novel Glucose-Inducible Expression System in Pichia pastoris: Unveiling Antimicrobial and Anticancer Functionalities	Yen, C.-C. Wu, P.-Y. Ou-Yang, H. Chen, H.-L. Chong, K.-Y. Chang, R.	2024	2024-02-01	International Journal of Molecular Sciences	25	3	-	1818
Optimization of sequence and chiral content enhances therapeutic potential of tilapia piscidin peptides	Hsu, P.-H. Hazam, P.K. Huang, Y.-P. Yeh, J.-C. Chen, Y.-R. Li, C.-C.	2024	2024-02-05	European Journal of Medicinal Chemistry	265	-	-	116083
Semi-Device-Independently Characterizing Quantum Temporal Correlations	Chen, S.-L. Eisert, J.	2024	2024-05-31	Physical Review Letters	132	22	-	220201
Machine learning approaches to identify systemic lupus erythematosus in anti-nuclear antibody-positive patients using genomic data and electronic health records	Chung, C.-W. Chou, S.-C. Hsiao, T.-H. Zhang, G.J. Chung, Y.-F. Chen,	2024	2024-12-01	BioData Mining	17	1	-	1

Deep learning assisted logic gates for real-time identification of natural tetracycline antibiotics	Tan, P.I Chen, Y.I Chang, H.I Liu, T.I Wang, J.I Lu, Z.I Sun, M.I Su, G.I W	2024	2024-10-01	Food Chemistry	454	-	-	139705
Monacolin-K loaded MIL-100(Fe) metal – organic framework induces ferroptosis on metastatic triple-negative breast cancer	Yu, C.-H.I Hermosa, G.C.I Sun, A.-C.I Wu, C.-W.K.I Gao, M.-T.I Wu, C.I	2024	2024-10-15	Chemical Engineering Journal	498	-	-	154751
Redox ability dependent SO2 tolerance for low-temperature NH3-SCR of MnO2@MeOX (Me = Ti, Ce, Cu) catalysts	Li, T.-Y.I Sun, L.-C.I Wey, M.-Y.	2024	2024-11-15	Chemical Engineering Journal	500	-	-	157395
Occupational physical activity, all-cause, cardiovascular disease, and cancer mortality in 349,248 adults: Prospective and longitudinal analyses of the MJ Cohort	Stamatakis, E.I Ahmadi, M.N.I Elphick, T.-L.I Huang, B.-H.I Paudel, S.I T	2024	2024-07-01	Journal of Sport and Health Science	13	4	579-589	-
Influence of sex hormones on the aggressive behavior during peck order establishment and stabilization in meat and egg type chickens	Lin, J.-C.I Daigle, C.L.I Tang, P.-C.I Wang, C.-K.	2024	2024-06-01	Poultry Science	103	6	-	103669
Thiol-functionalized black carbon as effective and economical materials for Cr(VI) removal: Simultaneous sorption and reduction	Huangmee, K.I Hsu, L.-C.I Tzou, Y.-M.I Cho, Y.-L.I Liao, C.-H.I Teah, H.	2024	2024-06-01	Journal of Environmental Management	360	-	-	121074
The role of social networks in digital learning gamification: Learner communication preferences and performance effects	Warden, C.A.I Chen, J.F.I Stanworth, J.O.	2024	2024-08-01	Learning and Instruction	92	-	-	101911
Calocedrus formosana Essential Oils Induce ROS-Mediated Autophagy and Apoptosis by Targeting SIRT1 in Colon Cancer Cells	Islam, A.I Chang, Y.-C.I Tsao, N.-W.I Wang, S.-Y.I Chueh, P.J.	2024	2024-03-01	Antioxidants	13	3	-	284
Polysaccharides extracted from common buckwheat (Fagopyrum esculentum) attenuate cognitive impairment via suppressing RAGE/p38/NF- κ B signaling and dysbiosis in AICl3-treated rats	Liu, Y.-C.I Chen, S.-Y.I Chen, Y.-Y.I Chang, H.-Y.I Chiang, I.-C.I Yen, G.	2024	2024-09-01	International Journal of Biological Macromolecules	276	-	-	133898
Exfoliated MXene nanosheet by double layer forces for preparing magnetic adsorbents of toxic metal ions and recycling with hyperthermic effect	Chen, C.-W.I Chang, C.-J.I Liaw, S.-K.I Lu, C.-H.I Chen, J.-K.	2024	2024-12-03	Separation and Purification Technology	349	-	-	127855
Photocatalytic removals of imidacloprid insecticide in TiO2- and Fe2O3-immobilized porous geopolymer granules	Peturai, P.I Sanguanpak, S.I Chiemchaisri, C.I Chiemchaisri, W.I Lu, M.C.	2024	2024-08-01	Chemosphere	362	-	-	142940
Vascular endothelial dysfunction induced by 3-bromofluoranthene via MAPK-mediated-NF κ B pro-inflammatory pathway and intracellular ROS generation	Lee, C.-Y.I Wu, S.-W.I Yang, J.-J.I Chen, W.-Y.I Chen, C.-J.I Chen, H.-H.	2024	2024-07-01	Archives of Toxicology	98	7	2247-2259	-
Vitamin B1 enhancement in the endosperm of rice through thiamine sequestration	Fitzpatrick, T.B.I Dalvit, I.I Chang, F.-H.I Wang, K.I Fudge, J.B.I Chang, S	2024	2024-08-01	Plant Biotechnology Journal	22	8	2330-2332	-
Interaction between type 2 diabetes polygenic risk and physical activity on cardiovascular outcomes	Lee, C.-L.I Tomohide, Y.I Liu, W.-J.I Hara, K.I Yanagimoto, S.I Hiraike, Y	2024	2024-08-01	European Journal of Preventive Cardiology	31	10	1277-1285	-
Aberrant sparganosis in cat caused by Spirometra mansoni (Cestoda:Dipyllobothriidae): a case report	Tokiwa, T.I Fushimi, M.I Chou, S.I Yoshida, A.I Kinoshita, K.I Hikima, A.	2024	2024-12-01	BMC Veterinary Research	20	1	-	148
The mitochondrial stress signaling tunes immunity from a view of systemic tumor microenvironment and ecosystem	Kuo, C.-L.I Lin, Y.-C.I Lo, Y.K.I Lu, Y.-Z.I Babuharisankar, A.P.I Lien, H	2024	2024-09-20	iScience	27	9	-	110710
Structural and Release Properties of Combined Curcumin Controlled-Release Tablets Formulated with Chitosan/Sodium Alginate/HPMC	Lin, J.-T.I Chiang, Y.-C.I Li, P.-H.I Chiang, P.-Y.	2024	2024-07-01	Foods	13	13	-	2022

Long-term safety and efficacy of glucagon-like peptide-1 receptor agonists in individuals with obesity and without type 2 diabetes: A global retrospective cohort study	Huang, Y.-N.I Liao, W.-L.I Huang, J.-Y.I Lin, Y.-J.I Yang, S.-F.I Huang, C	2024	2024-11-01	Diabetes, Obesity and Metabolism	26	11	5222-5232	-
Changes in the pasting and rheological properties of wheat, corn, water caltrop and lotus rhizome starches by the addition of Annona montana mucilage	Hung, S.-H.I Lai, L.-S.	2024	2024-04-01	International Journal of Biological Macromolecules	265	-	-	131009
One-Pot Effective Approach to 2,5-Diformylfuran From Carbohydrates Using MoS2-Decorated Carbonaceous Sugarcane Bagasse	Hao Nguyen, T.I Dinh Le, D.I Le Nguyen, D.A.I Liang, C.-F.I Bich Phan, I	2024	2024-12-20	ChemSusChem	17	24	-	e202400657
Explainable geospatial-artificial intelligence models for the estimation of PM2.5 concentration variation during commuting rush hours in Taiwan	Wong, P.-Y.I Su, H.-J.I Candice Lung, S.-C.I Liu, W.-Y.I Tseng, H.-T.I Ad	2024	2024-05-15	Environmental Pollution	349	-	-	123974
Assessing the ecosystem service values of tea plantations using conventional and organic farming methods: Is organic farming always better?	Liu, W.-Y.I Chiang, C.-Y.I Yap, J.-L.I Lin, C.-C.	2024	2024-01-01	Ecological Indicators	158	-	-	111355
Geospatial artificial intelligence for estimating daytime and nighttime nitrogen dioxide concentration variations in Taiwan: A spatial prediction model	Babaan, J.I Wong, P.-Y.I Chen, P.-C.I Chen, H.-L.I Lung, S.-C.C.I Chen, Y	2024	2024-06-01	Journal of Environmental Management	360	-	-	121198
MHz-Driven Snubberless Soft-Switching Current-Fed Multiresonant DC-DC Converter	Mishima, T.I Liu, S.I Taguchi, R.I Lai, C.-M.	2024	2024-07-01	IEEE Transactions on Power Electronics	39	7	8404-8416	-
True-Asynchronous Transmission Modeling and Software-Defined-Radio Experimental Testbed for Cognitive Radio Ad-Hoc Wireless Networks	Kuo, C.-H.I Yang, G.-C.I Chacko, D.I Kwong, W.C.	2024	2024-02-01	IEEE Transactions on Cognitive Communications and Networking	10	1	35-47	-
Hidradenitis suppurativa as a potential risk factor of periodontitis: a multi-center, propensity-score-matched cohort study	Gau, S.-Y.I Guo, Y.-C.I Lu, H.-Y.I Lin, C.-Y.I Lee, C.-Y.I Tsai, R.-Y.I Cha	2024	2024-01-01	International Journal of Medical Sciences	21	5	874-881	-
Sequential rearrangement and stereochemical reorganization to design an antimicrobial peptide with enhanced stability	Hsu, P.-H.I Hazam, P.K.I Huang, Y.-P.I Yeh, J.-C.I Chen, Y.-R.I Li, C.-C.I	2024	2024-01-01	Biomedicine and Pharmacotherapy	170	-	-	116088
Tri-objective Stochastic Model to Optimize Location and Sizing of Scooter Battery Swapping Station	Lin, Y.-H.I Liu, P.-Y.I Chiang, C.-F.	2024	2024-02-01	Sustainable Cities and Society	101	-	-	105091
Clinical practice consensus for the diagnosis and management of melanoma in Taiwan	Wu, C.-E.I Liao, Y.-H.I Wu, C.-L.I Yen, R.-F.I Lin, C.-C.I Yang, M.-H.I Y	2024	2024-01-01	Journal of the Formosan Medical Association	123	1	7-15	-
Towards Sustainable Production of Polybutylene Adipate Terephthalate: Non-Biological Catalytic Syntheses of Biomass-Derived Constituents	Lee, J.I Park, C.I Fai Tsang, Y.I Andrew Lin, K.-Y.	2024	2024-12-06	ChemSusChem	17	23	-	e202401070
Automatic wild bird repellent system that is based on deep-learning-based wild bird detection and integrated with a laser rotation mechanism	Chen, Y.-C.I Chu, J.-F.I Hsieh, K.-W.I Lin, T.-H.I Chang, P.-Z.I Tsai, Y.-C	2024	2024-12-01	Scientific Reports	14	1	-	15924
Effects of low-density lipoprotein cholesterol on sleep apnea: Insights from a rat model of cardiovascular autonomic dysregulation	Lin, W.-L.I Hsiao, Y.-W.I Liu, S.-H.I Cheng, W.-H.I Tsai, T.-Y.I Chou, Y.	2024	2024-03-01	Sleep Medicine	115	-	76-82	-
The role of attitudes towards contradiction in psychological resilience: the cortical mechanism of conflicting resolution networks	Yao, Z.-F.I Yang, M.-H.I Yang, C.-T.I Chang, Y.-H.I Hsieh, S.	2024	2024-12-01	Scientific Reports	14	1	-	1669
Continuous high viscosity biphasic liquid separation	Chen, Y.-C.I Hsueh, B.-C.I Lu, G.-Y.I Chien, Y.-H.I Chiang, Y.-Y.	2024	2024-09-06	Separation and Purification Technology	343	-	-	127111
Role of STAT3-FOXO3 Signaling in the Modulation of Neuroplasticity by PD-L1-HGF-Decorated Mesenchymal Stem Cell-Derived Exosomes in a Murine Stroke Model	Lin, S.-L.I Chang, Y.-W.I Lee, W.I Chiang, C.-S.I Liu, S.-P.I Lee, H.-T.I Je	2024	2024-09-25	Advanced Science	11	36	-	2404882

Overcoming Microstructural Defects at the Buried Interface of Formamidinium-Based Perovskite Solar Cells	Lin, H.-Y.I Jiang, Z.I Liu, S.-C.I Du, Z.I Hsu, S.-E.I Li, Y.-S.I Qiu, W.-J.I Y	2024	2024-09-11	ACS Applied Materials and Interfaces	16	36	47763-477	-
Managerial Power and Investment Inefficiency: Reconciling Theory and Evidence	Hsiao, H.-F.I Zhong, T.I Weng, T.-C.I Lu, C.Y.	2024	2024-01-01	Emerging Markets Finance and Trade	60	8	1732-1747	-
Impact of circular economy network building: resilience strategy to climate action	Lin, C.-C.I Chang, Y.-C.	2024	2024-09-26	International Journal of Climate Change Strategies and Management	16	3	337-361	-
Age at onset of type 1 diabetes between puberty and 30 years old is associated with increased diabetic nephropathy risk	Lin, Y.-B.I Chang, T.-J.I Sheu, W.H.-H.I Lo, S.-H.I Yeh, Y.-P.I Huang, C.-	2024	2024-12-01	Scientific Reports	14	1	-	3611
Enhancing the Efficiency and Stability of Tin-Lead Perovskite Solar Cells via Sodium Hydroxide Dedoping of PEDOT:PSS	Wu, D.-T.I Zhu, W.-X.I Dong, Y.I Daboczi, M.I Ham, G.I Hsieh, H.-J.I Hu	2024	2024-12-19	Small Methods	8	12	-	2400302
Exploring the feasibility of using fluidized bed homogeneous crystallization technology to recover sulfate ions from briny water as calcium sulfate pellets	Liu, H.-Y.I Vilando, A.C.I Ha, T.-H.I Lu, M.-C.	2024	2024-12-21	Desalination	592	-	-	118174
Successive responses of three coral holobiont components (coral hosts, symbiotic algae, and bacteria) to daily temperature fluctuations	Hsieh, Y.E.I Lu, C.-Y.I Liu, P.-Y.I Kao, J.-M.I Yang, S.-Y.I Wu, C.-Y.I W	2024	2024-01-01	Ecological Indicators	158	-	-	111515
A generalized allometric model for predicting aboveground biomass across various bamboo species	Li, L.-E.I Yen, T.-M.I Lin, Y.-J.	2024	2024-05-01	Biomass and Bioenergy	184	-	-	107215
Structure-guided identification and characterization of potent inhibitors targeting PhoP and MtrA to combat mycobacteria	Su, H.-L.I Lai, S.-J.I Tsai, K.-C.I Fung, K.-M.I Lung, T.-L.I Hsu, H.-M.I W	2024	2024-12-01	Computational and Structural Biotechnology Journal	23	-	1477-1488	-
Reversible high entropy oxide anode: Interfacial electrocatalysis for enhanced capacity and stability of LiNi0.8Co0.1Mn0.1O2 lithium-ion batteries	Huang, L.-P.I Yeh, S.-F.I Liu, Y.-P.I Lin, W.-C.I Lin, M.-C.I Tsao, I.-Y.I C	2024	2024-06-30	Journal of Power Sources	606	-	-	234289
Protein Phosphorylation Orchestrates Acclimations of Arabidopsis Plants to Environmental pH	Jain, D.I Schmidt, W.	2024	2024-01-01	Molecular and Cellular Proteomics	23	1	-	100685
High prevalence of vitamin D deficiency in Taiwanese patients with inflammatory bowel disease	Yang, C.-T.I Yen, H.-H.I Su, P.-Y.I Chen, Y.-Y.I Huang, S.-P.	2024	2024-12-01	Scientific Reports	14	1	-	14091
A Deep Recommendation Model Considering the Impact of Time and Individual Diversity	Wu, C.-C.I Chen, Y.-L.I Yeh, Y.-H.	2024	2024-04-01	IEEE Transactions on Computational Social Systems	11	2	2558-2569	-
Deep learning-based glomerulus detection and classification with generative morphology augmentation in renal pathology images	Juang, C.-F.I Chuang, Y.-W.I Lin, G.-W.I Chung, I.-F.I Lo, Y.-C.	2024	2024-07-01	Computerized Medical Imaging and Graphics	115	-	-	102375
Antibodies from dengue patients with prior exposure to Japanese encephalitis virus are broadly neutralizing against Zika virus	Salem, G.M.I Galula, J.U.I Wu, S.-R.I Liu, J.-H.I Chen, Y.-H.I Wang, W.-F	2024	2024-12-01	Communications Biology	7	1	-	15
Green synthesis of silver and copper nanoparticles and their composites using Ocimum sanctum leaf extract displayed enhanced antibacterial, antioxidant and anticancer potentials	Ashokkumar, M.I Palanisamy, K.I Ganesh Kumar, A.I Muthusamy, C.I Ser	2024	2024-01-01	Artificial Cells, Nanomedicine and Biotechnology	52	1	438-448	-
Substantial improvement in photocatalysis performance of N-TiO2 immobilized on PMMA: Exemplified by inactivation of Staphylococcus aureus and Escherichia coli	Yen, L.-T.I Weng, C.-H.I Tzeng, J.-H.I Chen, Y.-C.I Jacobson, A.R.I Lin, Y	2024	2024-10-01	Separation and Purification Technology	345	-	-	127298
Administration of Bevacizumab and the Risk of Chronic Kidney Disease Development in Taiwan Residents: A Population-Based Retrospective Cohort Study	Lye, L.-F.I Chou, R.-H.I Wu, T.-K.I Chuang, W.-L.I Tsai, S.C.-S.I Lin, H.-	2024	2024-01-01	International Journal of Molecular Sciences	25	1	-	340

Intermediate layer free PVDF evolved CMS on ceramic hollow fiber membrane for CO2 capture	Chen, Y.-H. Wu, P.-C. Thomas, J. Wang, H.-Y. Zhuang, G.-L. Wang, Z.-Y.	2024	2024-07-01	Journal of Membrane Science	706	-	-	122961
MoS2/TiO2/graphite felt electrode preparation for capacitive deionization device performance improvement	Huang, J.-J. Zhang, Y.-X. Huang, W.-C. Huang, C.-S. Wu, D.-S.	2024	2024-03-15	Surface and Coatings Technology	479	-	-	130515
Targeting DNA junction sites by bis-intercalators induces topological changes with potent antitumor effects	Huang, S.-C. Chen, C.-W. Satange, R. Hsieh, C.-C. Chang, C.-C. Wang, C.-C.	2024	2024-08-27	Nucleic Acids Research	52	15	9303-9316	-
Evaluation of a Standard Dietary Regimen Combined with Heat-Inactivated Lactobacillus gasseri HM1, Lactoferrin-Producing HM1, and Their Sonication-Inactivated Variants in the Management of Metabolic Disorders in an Obesity Mouse Model	Shiu, W.-C. Liu, Z.-S. Chen, B.-Y. Ku, Y.-W. Chen, P.-W.	2024	2024-04-01	Foods	13	7	-	1079
Evaluating long-term and high spatiotemporal resolution of wet-bulb globe temperature through land-use based machine learning model	Hsu, C.-Y. Wong, P.-Y. Chern, Y.-R. Lung, S.-C.C. Wu, C.-D.	2024	2024-11-01	Journal of Exposure Science and Environmental Epidemiology	34	6	941-951	-
The Protective Role of Vitamin E against Oxidative Stress and Immunosuppression Induced by Non-Esterified Fatty Acids in Bovine Peripheral Blood Leukocytes	Li, C.-Y. Lin, W.-C. Moonmanee, T. Chan, J.P.-W. Wang, C.-K.	2024	2024-04-01	Animals	14	7	-	1079
Boosting DNA vaccine power by lipid nanoparticles surface engineered with amphiphilic bioresorbable copolymer	Yang, C.-H. Shen, K.-Y. Ho, H.-M. Huang, C.-Y. Cheng, Y.-J. Pu, C.-C.	2024	2024-09-10	Molecular Therapy Nucleic Acids	35	3	-	102261
The prevalence of obstructive sleep apnea syndrome after COVID-19 infection	Lin, W.-C. Wu, M.-C. Wang, Y.-H. Lin, C.-H. Wei, J.C.-C.	2024	2024-01-01	Journal of Medical Virology	96	1	-	e29392
Promoting the Aging Process and Enhancing the Production of Antioxidant Components of Garlic through Pulsed Electric Field Treatments	Chang, C.-K. Tsai, S.-Y. Tsai, M.-S. Tu, A.-T. Hou, C.-Y. Cheng, K.-C.	2024	2024-03-01	Antioxidants	13	3	-	374
Exosomal microRNAs as biomarkers for viral replication in tofacitinib-treated rheumatoid arthritis patients with hepatitis C	Liao, T.-L. Chen, I.-C. Chen, H.-W. Tang, K.-T. Huang, W.-N. Chen, Y.-C.	2024	2024-12-01	Scientific Reports	14	1	-	937
Superstructure optimization of hydrothermal liquefaction for microalgae biorefinery considering environmental impacts and economics	Taipabu, M.I. Huang, C.-M. Irfan, H.M. Viswanathan, K. Adi, V.S.K. Vignani, A.	2024	2024-12-01	Renewable Energy	237	-	-	121593
ADAR2 deficiency ameliorates non-alcoholic fatty liver disease and muscle atrophy through modulating serum amyloid A1	Kung, M.-L. Yang, T.-H. Lin, C.-C. Ho, J.-Y. Hung, T.-C. Chang, C.-H.	2024	2024-06-01	Journal of Cachexia, Sarcopenia and Muscle	15	3	949-962	-
Clinicopathologic Features and Cytologic Correlation of ALK-Rearranged Papillary Thyroid Carcinoma: A Series of Eight Cases	Shih, K.-P. Lee, Y.-C. Tsai, J.-J. Lin, S.-H. Liu, C.-Y. Li, W.-S. Li, C.-C.	2024	2024-06-01	Endocrine Pathology	35	2	134-146	-
Enhancing catalytic activity of CuCoFe-layered double oxide towards peroxymonosulfate activation by coupling with biochar derived from durian peel for antibiotic degradation: The role of C=O in biochar and underlying mechanism of built-in electric field	Dung, N.T. Khiem, T.C. Thao, N.P. Phu, N.A. Son, N.T. Dat, T.Q. Phu, N.T.	2024	2024-08-01	Chemosphere	361	-	-	142452
Towards developing a matrix-assisted laser desorption/ionization mass spectrometry imaging (MALDI MSI) compatible tissue expansion protocol	Chen, L.-C. Lee, C. Hsu, C.-C.	2024	2024-04-08	Analytica Chimica Acta	1297	-	-	342345
Real-world evidence of lorlatinib therapy in Taiwanese patients with advanced anaplastic lymphoma kinase-positive non-small cell lung cancer	Shih, J.-Y. Luo, Y.-H. Chang, G.-C. Chang, J.W.-C. Wang, C.-C. Yang, C.-C.	2024	2024-08-01	Journal of the Formosan Medical Association	123	8	875-881	-

Purchasing from multiple capital-constrained suppliers using order financing	Wu, A.	2024	2024-01-01	International Journal of Production Research	62	22	8157-8172	-
Recovery of nitrogen as struvite from swine wastewater: Comparison study of batch and continuous fluidized-bed crystallization process	Ha, T.-H. Mahasti, N.N.N. Ha, H.-Q. Liao, P.-L. Huang, Y.-H. Lu, M.-	2024	2024-12-24	Separation and Purification Technology	351	-	-	128045
Thermodynamic Approach to Quantifying Incompatible Instruments	Hsieh, C.-Y. Chen, S.-L.	2024	2024-10-25	Physical Review Letters	133	17	-	170401
From green fields to housing societies: Unraveling the mysteries behind agricultural land conversion in Pakistan	Saqib, S.E. Kaleem, M. Yaseen, M. Yang, S.-H. Visetnoi, S.	2024	2024-09-01	Land Use Policy	144	-	-	107256
Zero-Phase-Angle Load-Independent and -Adaptable Dual-Side LCC Inductive Wireless Power Transfer System	Mishima, T. Lai, C.-M.	2024	2024-06-01	IEEE Transactions on Transportation Electrification	10	2	3492-3503	-
Effect of extruded djulis (Chenopodium formosanum) snacks on the ameliorative potential against diabetic cardiomyopathy	Cheng, Y.-T. Lu, W.-C. Chan, Y.-J. Huang, P.-H. Chiang, P.-Y. Chen, J.-	2024	2024-05-01	Journal of Functional Foods	116	-	-	106154
Outcome and etiology of fetal pleural effusion, fetal ascites and hydrops fetalis after fetal intervention: retrospective observational cohort from a single institution	Wu, W.-J. Ma, G.-C. Chang, T.-Y. Lee, M.-H. Lin, W.-H. Chen, M.	2024	2024-04-01	Ultrasound in Obstetrics and Gynecology	63	4	536-543	-
Dynamic change of metabolic dysfunction-associated steatotic liver disease in patients with hepatitis C virus infection after achieving sustained virologic response with direct-acting antivirals	Liu, C.-H. Chang, Y.-P. Fang, Y.-J. Cheng, P.-N. Chen, C.-Y. Kao, W.-	2024	2024-07-01	Journal of Gastroenterology	59	7	609-620	-
Efficient dynamic quantum secret sharing in pre-measurement and post-measurement phases	Lin, J. Chen, C.-C. Huang, C.-Y.	2024	2024-03-15	Physica A: Statistical Mechanics and its Applications	638	-	-	129615
Integrating machine learning and feature analysis for predicting and managing thermal deformation in machine tools	Chu, W.-L.	2024	2024-05-01	Case Studies in Thermal Engineering	57	-	-	104343
Exploring the incidence of peripheral arterial occlusive disease following COVID-19 infection: A retrospective cohort study	Yeh, L.-T. Chan, C.-H. Wang, Y.-H. Lee, C.-Y. Yang, S.-F. Yeh, C.-B.	2024	2024-03-01	Journal of Medical Virology	96	3	-	e29519
Enhanced Thermoelectric Performance of Mg-Sn Thin Films: Role of Mg9Sn5 Phase and One-Dimensional Electronic Structure	Chen, C.-L. Chen, S.-C. Chou, C.-L. Wang, T.-H. Chuang, M.-C. Tang, C.-	2024	2024-01-24	ACS Applied Materials and Interfaces	16	3	3520-3531	-
Prevalence, Virulence, and Antimicrobial Resistance of Major Mastitis Pathogens Isolated from Taiwanese Dairy Farms	Dhital, B. Chuang, S.-T. Hsieh, J.-C. Hsieh, M.-H. Chiang, H.-I.	2024	2024-01-01	Antibiotics	13	1	-	36
Population-level responses of aphids to pulsed drought stress	Saska, P. Skuhrovec, J. Platková, H. Kosová, K. Tuan, S.-J. Vítámvás, Z.	2024	2024-09-01	Journal of Pest Science	97	4	1943-1956	-
Calycosin Enhances Heat Shock Related-Proteins in H9c2 Cells to Modulate Survival and Apoptosis against Heat Shock	Lai, P.-F. Mahendran, R. Tsai, B.C.-K. Lu, C.-Y. Kuo, C.-H. Lin, K.-H.	2024	2024-01-01	American Journal of Chinese Medicine	52	4	1173-1193	-
Dog nose-print recognition based on the shape and spatial features of scales	Chan, Y.-K. Lin, C.-H. Ben, Y.-R. Wang, C.-L. Yang, S.-C. Tsai, M.-H.	2024	2024-04-15	Expert Systems with Applications	240	-	-	122308
The individual contributions of blaB, blaGOB and blaCME on MICs of β -lactams in Elizabethkingia anophelis	Chen, P.-J. Tan, M.-C. Huang, W.-C. Hsu, S.-Y. Chen, T.-L. Yang, C.-	2024	2024-07-01	Journal of Antimicrobial Chemotherapy	79	7	1577-1580	-
Distributional ecology: Opening new research windows by addressing aggregation-related puzzles	Chen, Y. Shen, T.-J.	2024	2024-04-01	Diversity and Distributions	30	4	-	e13818

The risk of major adverse cardiovascular events in patients with systemic sclerosis: a nationwide, population-based cohort study	Yen, T.-H.I Chen, Y.-W.I Hsieh, T.-Y.I Chen, Y.-M.I Huang, W.-N.I Chen.	2024	2024-08-01	Rheumatology (United Kingdom)	63	8	2074-2081	-
Interactive Augmentations, Features, and Parameters for Contrastive Learning [AI-eXplained]	Chen, Y.-T.I Chiou, C.-Y.I Huang, C.-R.	2024	2024-02-01	IEEE Computational Intelligence Magazine	19	1	79-80	-
Parental autoimmunity and offspring risks of rheumatic diseases: a nationwide population-based study	Shao, Y.-H.J.I Chen, Y.-M.	2024	2024-08-01	Rheumatology (United Kingdom)	63	8	2189-2198	-
Nanoscale CoNi alloy@carbon derived from Hofmann-MOF as a magnetic/effective activator for monopersulfate to eliminate an ultraviolet filter	Liu, W.-J.I Kwon, E.I Thanh, B.X.I Lee, J.I Ta, C.K.I Sirivithayapakorn, S.	2024	2024-04-01	Journal of Nanostructure in Chemistry	14	2	153-166	-
Deep Learning-Assisted Rapid Assessment of Food Freshness Using an Anti-interfering Triple-Emission Ratiometric Fluorescent Sensor	Wu, C.I Chang, H.I Chen, X.I Yang, S.I Dai, Y.I Tan, P.I Chen, Y.I Shen, C	2024	2024-02-12	ACS Sustainable Chemistry and Engineering	12	6	2465-2475	-
Erinacine A-Enriched Hericium erinaceus Mycelium Ethanol Extract Lessens Cellular Damage in Cell and Drosophila Models of Spinocerebellar Ataxia Type 3 by Improvement of Nrf2 Activation	Wu, Y.-L.I Sun, H.-L.I Chang, J.-C.I Lin, W.-Y.I Chen, P.-Y.I Chen, C.-C.I	2024	2024-12-01	Antioxidants	13	12	-	1495
Shortening of telomere length may be associated with inflammatory cytokine levels in patients with bipolar disorder	Wang, S.-M.I Chang, H.H.I Chang, Y.-H.I Tsai, T.-Y.I Chen, P.S.I Lu, R.-F	2024	2024-11-15	Journal of Affective Disorders	365	-	155-161	-
Impact of nickel and alkaline earth metals interaction on sustainable carbon nanotubes generation from plastic face masks via catalytic pyrolysis	Lim, X.-X.I Low, S.-C.I Tan, K.Q.I Lin, K.-Y.A.I He, C.I Zhou, T.I Oh, W.	2024	2024-10-01	Chemical Engineering Journal	497	-	-	154693
Focusing of mid-infrared polaritons through patterned graphene on van der Waals crystals	Liu, R.-T.I Wu, Y.-Z.I Huang, C.-C.	2024	2024-07-01	Nanophotonics	13	15	2753-2763	-
Exposure estimates of PM2.5 using the land-use regression with machine learning and microenvironmental exposure models for elders: Validation and comparison	Hsu, C.-Y.I Hsu, W.-T.I Mou, C.-Y.I Wong, P.-Y.I Wu, C.-D.I Chen, Y.-C	2024	2024-02-01	Atmospheric Environment	318	-	-	120209
Mechanistic study of the Aldo-keto reductase family 1 member A1 in regulating mesenchymal stem cell fate decision toward adipogenesis and osteogenesis	Chiang, C.H.I Lin, Y.-H.I Kao, Y.-C.I Weng, S.-C.I Chen, C.-M.I Liou, Y.-	2024	2024-01-01	Life Sciences	336	-	-	122336
Glycemic variability’ s impact on painful diabetic peripheral neuropathy in type 2 diabetes patients	Chang, K.-C.I Pai, Y.-W.I Lin, C.-H.I Lee, I.-T.I Chang, M.-H.	2024	2024-12-01	Scientific Reports	14	1	-	22276
Target-Aware Yield Prediction (TAYP) Model Used to Improve Agriculture Crop Productivity	Chang, Y.-J.I Lai, M.-H.I Wang, C.-H.I Huang, Y.-S.I Lin, J.	2024	2024-01-01	IEEE Transactions on Geoscience and Remote Sensing	62	-	1-11	5404111
Efficacy of combination therapy with standard-dose carbapenem for treating nosocomial pneumonia caused by carbapenem-resistant Acinetobacter baumannii in intensive care units: A multicentre retrospective propensity score-matched study	Wang, S.-H.I Yang, K.-Y.I Sheu, C.-C.I Lin, Y.-C.I Chan, M.-C.I Feng, J.-	2024	2024-01-01	International Journal of Antimicrobial Agents	63	1	-	107044
Waste-derived MCM-41 as dual-functional support for cobalt ferrite: Performance as peroxymonosulfate activator for ciprofloxacin decontamination	Choong, Z.-Y.I Subramaniam, N.I Gasim, M.F.I Mohamed Iqbal, M.A.I He	2024	2024-02-01	Applied Surface Science	645	-	-	158861
Impact of photoaging on the chemical and cytotoxic properties of nanoscale zeolitic imidazolate framework-8	Chen, Y.-C.I Lin, K.-Y.A.I Chen, Y.-C.I Hong, Y.-Y.I Hsu, Y.-F.I Lin, C.-I	2024	2024-11-05	Journal of Hazardous Materials	479	-	-	135536
Dog identification based on textural features and spatial relation of noseprint	Chan, Y.-K.I Lin, C.-H.I Wang, C.-L.I Tu, K.-C.I Yang, S.-C.I Tsai, M.-H.I	2024	2024-07-01	Pattern Recognition	151	-	-	110353

Four weeks of off-treatment follow-up is sufficient to determine virologic responses at off-treatment week 12 in patients with hepatitis C virus infection receiving fixed-dose pangenotypic direct-acting antivirals	Liu, C.-H. Chang, Y.-P. Lee, J.-Y. Chen, C.-Y. Kao, W.-Y. Lin, C.-L.	2024	2024-05-01	Journal of Medical Virology	96	5	-	e29675
Analyzing genetic diversity in luffa and developing a Fusarium wilt-susceptible linked SNP marker through a single plant genome-wide association (sp-GWAS) study	Li, Y.-D. Liu, Y.-C. Jiang, Y.-X. Namisy, A. Chung, W.-H. Sun, Y.-H.	2024	2024-12-01	BMC Plant Biology	24	1	-	307
Antiviral drug development by targeting RNA binding site, oligomerization and nuclear export of influenza nucleoprotein	Panthi, S. Hong, J.-Y. Satange, R. Yu, C.-C. Li, L.-Y. Hou, M.-H.	2024	2024-12-01	International Journal of Biological Macromolecules	282	-	-	136996
Neutrophil-targeted combinatorial nanosystems for suppressing bacteremia-associated hyperinflammation and MRSA infection to improve survival rates	Chang, Y.-T. Lin, C.-Y. Chen, C.-J. Hwang, E. Alshetaili, A. Yu, H.-P.	2024	2024-01-15	Acta Biomaterialia	174	-	331-344	-
AGR2-mediated unconventional secretion of 14-3-3 ϵ and α -actinin-4, responsive to ER stress and autophagy, drives chemotaxis in canine mammary tumor cells	Yuan, S.H.-C. Wu, C.-C. Wang, Y.-C. Chan, X.-Y. Chu, H.-W. Yang, Y.-C.	2024	2024-12-01	Cellular and Molecular Biology Letters	29	1	-	84
Promising Experimental Treatment in Animal Models and Human Studies of Interstitial Cystitis/Bladder Pain Syndrome	Hu, J.-C. Tzeng, H.-T. Lee, W.-C. Li, J.-R. Chuang, Y.-C.	2024	2024-08-01	International Journal of Molecular Sciences	25	15	-	8015
Optimization of autothermal reforming of ultrasonic methanol sprays over Cu/ZnO catalyst for hydrogen production via a statistical approach	Chen, W.-H. Teng, C.-H. Chih, Y.-K. Chein, R.-Y. Ashokkumar, V.	2024	2024-12-15	Applied Thermal Engineering	257	-	-	124447
Nutraceutical Potential of Djulis (Chenopodium formosanum) Hull: Phytochemicals, Antioxidant Activity, and Liver Protection	Huang, Y.-C. Tung, C.-L. Ho, S.-T. Li, W.-S. Li, S. Tung, Y.-T. Wu, J.-C.	2024	2024-06-01	Antioxidants	13	6	-	721
Improving iPSC Differentiation Using a Nanodot Platform	Chiew, M.Y. Wang, E. Lan, K.-C. Lin, Y.-R. Hsueh, Y.-H. Tu, Y.-K. Li, C.-H.	2024	2024-07-17	ACS Applied Materials and Interfaces	16	28	36030-36037	-
Climate Effects on Belowground Tea Litter Decomposition Depend on Ecosystem and Organic Matter Types in Global Wetlands	Trevathan-Tackett, S.M. Kepfer-Rojas, S. Malerba, M. Macreadie, P.I.	2024	2024-12-10	Environmental Science and Technology	58	49	21589-21600	-
A predictive model incorporating geomorphic factors for assessing the longevity of landslide-dammed lakes	Wu, S.-W. Chan, W.-Y. Lin, C.-Y.	2024	2024-01-01	Landslides	21	1	53-70	-
Efficient and lightweight convolutional neural network architecture search methods for object classification	Lin, C.-H. Chen, T.-Y. Chen, H.-Y. Chan, Y.-K.	2024	2024-12-01	Pattern Recognition	156	-	-	110752
Electrochemical oxidation of seawater using vanadium facilitated quaternary layered double hydroxides integrated with sulfur-doped carbon dots	Vedanarayanan, M. Pitchai, C. Chen, C.-M. Gopalakrishnan, S.M.	2024	2024-09-01	Electrochimica Acta	497	-	-	144529
Estimating expected years of life lost of psychiatric disorders in Taiwan: A Nationwide cohort study	Chiu, Y.-M. Huang, W.-L. Wang, S.-H. Wu, M.-S. Chen, Y.-L. Hsu, C.-C.	2024	2024-11-01	General Hospital Psychiatry	91	-	25-32	-
Idiopathic intracranial hypertension in Asians: a retrospective dual-center study	Hsu, H.-T. Cheng, H.-C. Hou, T.-W. Tzeng, Y.-S. Fuh, J.-L. Chen, S.-F.	2024	2024-12-01	Journal of Headache and Pain	25	1	-	144
Association of sodium-glucose cotransporter 2 inhibitors with the incidence of corneal diseases in type 2 diabetes mellitus	Tsai, T.-Y. Yang, P.-J. Chao, S.-C. Lee, C.-Y. Huang, J.-Y. Yang, S.-F.	2024	2024-01-01	International Journal of Medical Sciences	21	3	583-592	-
Impact of metformin on neocortical development during pregnancy: Involvement of ERK and p35/CDK5 pathways	Oner, M. Chen, M.-C. Cheng, P.-T. Li, Y.-H. Cheng, Y.-C. Celik, A. S.	2024	2024-06-01	Chemosphere	358	-	-	142124

Exploring the anti-invasive effects of Ganoderma tsugae (Songshan Lingzhi) against metastatic melanoma: Insights from an in vivo study on oxidative stress modulation	Lan, Y.-H.I Lee, P.C.I Lu, Y.-S.I Adela Nathania, E.I Kuo, C.-H.I Takemot	2024	2024-05-01	Journal of Functional Foods	116	-	-	106169
Short-chain fatty acids ameliorate imiquimod-induced skin thickening and IL-17 levels and alter gut microbiota in mice: a metagenomic association analysis	Chen, Y.-J.I Ho, H.J.I Tseng, C.-H.I Chen, Y.-F.I Wang, S.-T.I Shieh, J.-J.I	2024	2024-12-01	Scientific Reports	14	1	-	17495
Facile synthesis of tantalum decorated on iron selenide with nitrogen-doped graphene hybrid for the sensitive detection of trolox in berries: Density functional theory interpretation	Sakthivel, R.I Chou, C.-C.I Prasanna, S.B.I Krishnegowda, H.M.I Ramaraj,	2024	2024-10-15	Food Chemistry	455	-	-	139920
The role of internet media effects in the sustainable development of animal conservation institutions during the post-pandemic era: Stimulus-organism-response paradigm	Hsiao, C.-H.I Tang, K.-Y.	2024	2024-08-01	Sustainable Development	32	4	3786-3808	-
The Interaction between CLSPN Gene Polymorphisms and Alcohol Consumption Contributes to Oral Cancer Progression	Hsieh, M.-J.I Lo, Y.-S.I Ho, H.-Y.I Lin, C.-C.I Chuang, Y.-C.I Chen, M.-K	2024	2024-01-01	International Journal of Molecular Sciences	25	2	-	1098
Rapid Diagnosis of Pneumocystis jirovecii Pneumonia and Respiratory Tract Colonization by Next-Generation Sequencing	Xing, F.I Deng, C.I Luo, Z.I Zou, S.I Liu, M.I Ye, H.I Sun, L.I Tsang, C.-C.	2024	2024-06-01	Mycopathologia	189	3	-	38
Enhancement of stress response in Chinese cabbage through eugenol and clove essential oil	Hsieh, L.-C.I Soh, Z.T.I Tsai, W.-A.I Chen, T.-F.I Lin, H.-H.I Lin, J.-S.	2024	2024-03-01	Current Plant Biology	37	-	-	100324
Fostering YouTube followers’ stickiness through social contagion: The role of digital influencer’ characteristics and followers’ compensation psychology	Chen, C.-W.I Nguyen, D.T.T.I Chih, M.I Chen, P.-Y.	2024	2024-09-01	Computers in Human Behavior	158	-	-	108304
Supporting a capital-constrained supplier with mixed pre-shipment financing facilities	Wu, A.	2024	2024-01-01	International Journal of Production Research	62	22	8143-8156	-
Application of LDPE Film – Loaded Nutmeg Essential Oil Pickering Emulsion to Extend Tilapia Fillets’ Shelf Life	Yudhistira, B.I Chang, C.-K.I Punthi, F.I Cheng, K.-C.I Husnayain, N.I Hsi	2024	2024-10-01	Food and Bioprocess Technology	17	10	3031-3045	-
A Psychological Ownership Perspective on the HR System – LGBT Voice Relationship: The Role of Espousal and Enactment of Inclusion Matters	Lin, Y.-T.I Chang, J.-T.	2024	2024-12-01	Journal of Management Studies	61	8	3717-3753	-
Innovative approach for mango allergen identification in processed foods using immunomagnetic nanoparticle-enhanced UPLC-MS/MS	Tsai, W.-C.I Huang, Y.-S.I Yin, H.-Y.I Liu, H.-J.I Wen, H.-W.	2024	2024-07-15	LWT	204	-	-	116446
Factors predicting lower limb alignment after Oxford medial unicompartmental knee arthroplasty	Shih, H.-T.I Chen, K.-H.I Lee, C.-H.I Tu, K.-C.I Wang, S.-P.	2024	2024-12-01	Scientific Reports	14	1	-	5597
Self-regenerative Ni/SiO2 for dry reforming of methane (DRM): 1000 h-longevity assessment and operando insights to coke removal under N2 atmosphere	Chen, L.-W.I Ng, K.H.I Hsu, L.-C.	2024	2024-11-01	Chemical Engineering Journal	499	-	-	155907
Intensity-Specific Physical Activity Measured by Accelerometer, Genetic Susceptibility, and the Risk of Kidney Stone Disease: Results From the UK Biobank	Liu, Y.I Ku, P.-W.I Li, Z.I Yang, H.I Zhang, T.I Chen, L.I Xia, Y.I Bai, S.	2024	2024-10-01	American Journal of Kidney Diseases	84	4	437-446.e1	-
Detection of White Matter Hyperintensities in Magnetic Resonance Imaging by Hyperspectral Subpixel Detection	Chang, Y.-C.I Chang, C.-I.I Ouyang, Y.-C.I Chai, J.-W.I Chen, W.-H.I Pan	2024	2024-01-01	IEEE Access	12	-	111992-11	-

Effects of black soybean seed coat (BSSC) crude extract on the immune regulation, gut microbiota, and brain function of mice with sleep deprivation	Tung, C.-L. Wu, J.-H. Chang, H.-C. Xu, J.-W. Yang, Y.-C. S. H. Wu, C.-Y.	2024	2024-08-01	Journal of Functional Foods	119	-	-	106335
The Time from Submission to Publication in Primary Health Care Journals: A Cross-Sectional Study	Chen, T.-A. Lin, M.-H. Chen, Y.-C. Chen, T.-J.	2024	2024-06-01	Publications	12	2	-	13
Low Bone Mineral Density as a Predictor of Mortality and Infections in Stroke Patients: A Hospital-Based Study	Tsai, Y.-L. Chuang, Y.-C. Cheng, Y.-Y. Deng, Y.-L. Lin, S.-Y. Hsu, C.-C.	2024	2024-12-01	Journal of Clinical Endocrinology and Metabolism	109	12	3055-3064	-
Modeling of hydrogen separation through Pd membrane with vacuum pressure using Taguchi and machine learning methods	Chen, W.-H. Wu, D.-R. Chang, M.-H. Rajendran, S. Ong, H. C. Lin, K.-J.	2024	2024-01-01	International Journal of Hydrogen Energy	-	-	-	-
Rapid-Test Kit for Cardiac Troponin I: A Reliable Enzyme-Linked-Immuno-Substrate-Assay-Based Biosensor for Daily-Use Naked-Eye Detection and Pharmacokinetic Studies for Myocardial Infarction in Cardiovascular Disease	Hsieh, Y.-F. Lin, K.-J.	2024	2024-08-09	ACS Pharmacology and Translational Science	7	8	2369-2378	-
10 weeks low intensity treadmill exercise intervention ameliorates motor deficits and sustains muscle mass via decreasing oxidative damage and increasing mitochondria function in a rat model of Parkinson's disease	Tung, Y.-T. Liao, Y.-C. Yeh, T.-H. Tsao, S.-P. Chang, C.-C. Shih, W.-T.	2024	2024-08-01	Life Sciences	350	-	-	122733
Improvement of clinical wound microcirculation diagnosis using an object tracking-based laser speckle contrast imaging system	Hsieh, M.-C. Chang, C.-Y. Hsu, C.-H. Lin, Y.-R. Hsieh, P.-Y. Ching, C.-C.	2024	2024-03-01	APL Bioengineering	8	1	-	16105
Enhancing urban climate resilience: A holistic evaluation of urban forest disservices in the aftermath of typhoons	Liu, W.-Y. Liu, C.-R. Lin, C.-C.	2024	2024-03-01	Urban Climate	54	-	-	101857
An acridone based fluorescent dye for lipid droplet tracking and cancer diagnosis	Dinh, D. T. Li, C.-Y. Wu, M.-W. Hsieh, C.-F. Chen, X.-Y. Chang, C.-C.	2024	2024-09-01	Journal of Photochemistry and Photobiology B: Biology	258	-	-	113000
Omni-directional harvesting of ocean wave energy using arch-shaped double-layered direct-current triboelectric nanogenerator	Feng, H. Liu, C. X. Wang, W. Dai, Z. Zhang, H. Ma, H. Yalikun, Y. Zhang, Y.	2024	2024-12-15	Nano Energy	132	-	-	110365
Reduction of interface defects in gate-recessed GaN HEMTs by neutral beam etching	Yu, C. H. Chiang, W. H. Chen, Y.-H. Samukawa, S. Wu, D. S. Chung, C.-C.	2024	2024-08-01	Materials Today Advances	23	-	-	100519
White Roman Goose Feather-Inspired Unidirectionally Inclined Conical Structure Arrays for Switchable Anisotropic Self-Cleaning	Chen, Y.-J. Fang, C.-Y. Huang, Y.-W. Hsu, T.-F. Tang, N.-T. Tsai, H.-C.	2024	2024-07-17	ACS Applied Materials and Interfaces	16	28	36840-368	-
Ago2/CAV1 interaction potentiates metastasis via controlling Ago2 localization and miRNA action	Lin, M.-C. Kuo, W.-H. Chen, S.-Y. Hsu, J.-Y. Lu, L.-Y. Wang, C.-C. Chen, C.-C.	2024	2024-05-14	EMBO Reports	25	5	2441-2478	-
Extraction Effects on Roselle Functionalities: Antioxidant, Antiglycation, and Antibacterial Capacities	Lai, Y.-J. Chiang, Y.-C. Jhan, Y.-S. Song, T.-Y. Cheng, M.-C.	2024	2024-07-01	Foods	13	14	-	2172
Cetacean Stranding Response Program and Spatial – Temporal Analysis in Taiwan, 1994 – 2018	Chou, L.-S. Yao, C.-J. Wang, M.-C. Chi, W.-L. Ho, Y. Yang, W.-C.	2024	2024-06-01	Animals	14	12	-	1823
LDL Receptor-Related Protein 1B Polymorphisms Associated with Increased Risk of Lymph Node Metastasis in Oral Cancer Group with Diabetes Mellitus	Chen, L.-C. Lo, Y.-S. Ho, H.-Y. Lin, C.-C. Chuang, Y.-C. Chang, W.-C.	2024	2024-04-01	International Journal of Molecular Sciences	25	7	-	3963
Poly(carbonate acetal) vitrimers with enhanced thermal properties and closed-loop thermal recyclability derived from waste polycarbonate-derived polyaldehyde and pentaerythritol/erythritol/d-sorbitol	Chen, Y.-C. Reddy, K. S. K. Jeng, R.-J. Lin, C.-H.	2024	2024-09-03	Green Chemistry	26	19	10275-102	-

Clinical and Genetic Features of Dravet Syndrome: A Prime Example of the Role of Precision Medicine in Genetic Epilepsy	Fan, H.-C.I Yang, M.-T.I Lin, L.-C.I Chiang, K.-L.I Chen, C.-M.	2024	2024-01-01	International Journal of Molecular Sciences	25	1	-	31
Increased prevalence but decreased survival of nonviral hepatocellular carcinoma compared to viral hepatocellular carcinoma in recent ten years	Chen, T.-C.I Hsiao, S.-W.I Chen, Y.-Y.I Yen, H.-H.I Su, W.-W.I Hsu, Y.-C	2024	2024-12-01	Scientific Reports	14	1	-	9068
Evaluate the effect of β -cyclodextrin on the sensory and physicochemical properties of bitter melon extract during thermal processing	Tran, C.T.H.I Wang, H.-M.D.I Anh, L.T.H.I Lin, C.I Huang, C.-Y.I Kuo, C	2024	2024-02-01	Food Chemistry	433	-	-	137394
Experimental verification of seismic vibration control of high-rise buildings with friction-type multiple tuned mass dampers	Lin, G.-L.I Lin, C.-C.I Yang, T.-H.I Lung, H.-Y.	2024	2024-03-01	Engineering Structures	302	-	-	117401
Enhancing python learning with PyTutor: Efficacy of a ChatGPT-Based intelligent tutoring system in programming education	Yang, A.C.M.I Lin, J.-Y.I Lin, C.-Y.I Ogata, H.	2024	2024-12-01	Computers and Education: Artificial Intelligence	7	-	-	100309
Enhanced non-viral gene delivery via calcium phosphate/DNA co-precipitates with low-voltage pulse electroporation in NK-92 cells for immunocellular therapy	Kuan, C.-Y.I Yang, I.-H.I Chang, C.-T.I Chen, Z.-Y.I Lin, J.-N.I Kuo, W.-T	2024	2024-09-01	APL Bioengineering	8	3	-	36107
Mucinous cystadenocarcinoma of the breast harbours TRPS1 expressions and PIK3CA alterations	Chen, W.-Y.I Hu, Y.-H.I Tsai, Y.-H.I Hang, J.-F.I Tan, P.H.I Chen, C.-J.	2024	2024-02-01	Histopathology	84	3	550-555	-
Recent advances in the potential of Phyllanthus emblica L. and its related foods for combating metabolic diseases through methylglyoxal trapping	Chen, S.-Y.I Chiang, I.-C.I Chen, Y.-Y.I Hsu, Y.-H.I Yen, G.-C.	2024	2024-10-01	Food Research International	194	-	-	114907
The role of ruminant urine and faeces in the recycling of nutrients by forages	Kao, P.-T.I McGrath, S.P.I Buss, H.L.I Darch, T.I Warren, H.E.I McAuliffe	2024	2024-12-01	Scientific Reports	14	1	-	16007
Recovery of fluoride from wastewater in the form of cryolite granules by fluidized-bed homogeneous crystallization process	Quedi, B.B.B.I Ballesteros, F.C.I Vilando, A.C.I Lu, M.-C.	2024	2024-09-01	Journal of Water Process Engineering	66	-	-	106063
Herpes Zoster Risk After Total Knee Replacement: a multicenter, propensity-score-matched cohort study in the United States	Liao, W.-C.I Lo, S.-W.I Wu, C.-L.I Juang, S.-E.I Chang, H.-C.I Gau, S.-Y.I	2024	2024-01-01	International Journal of Medical Sciences	21	12	2244-2251	-
Macrolide-Resistant Mycoplasma pneumoniae Infections among Children before and during COVID-19 Pandemic, Taiwan, 2017 – 2023	Wu, T.-H.I Fang, Y.-P.I Liu, F.-C.I Pan, H.-H.I Yang, Y.-Y.I Song, C.-S.I L	2024	2024-08-01	Emerging Infectious Diseases	30	8	1692-1696	-
Butyrate modulates gut microbiota and anti-inflammatory response in attenuating cisplatin-induced kidney injury	Chen, W.-J.I Chen, Y.-T.I Ko, J.-L.I Chen, J.-Y.I Zheng, J.-Y.I Liao, J.-W.I	2024	2024-12-01	Biomedicine and Pharmacotherapy	181	-	-	117689
The monomer of resveratrol butyrate ester ameliorates obesity and gut microbiota in high-fat diet rats	Chen, Y.-W.I Liu, R.-Y.I Shih, M.-K.I Lin, W.-W.I Cheng, C.-M.I Hsieh, C	2024	2024-07-01	Journal of Functional Foods	118	-	-	106260
Hyaluronic acid-covered ferric ion-rich nanobullets with high zoledronic acid payload for breast tumor-targeted chemo/chemodynamic therapy	Yeh, N.-T.I Lin, T.-C.I Liu, I.-J.I Hu, S.-H.I Hsu, T.-C.I Chin, H.-Y.I Tzang	2024	2024-11-01	International Journal of Biological Macromolecules	279	-	-	135271
NMDA receptor blockade attenuates Japanese encephalitis virus infection-induced microglia activation	Chang, C.-Y.I Wu, C.-C.I Tzeng, C.-Y.I Li, J.-R.I Chen, Y.-F.I Chen, W.-Y	2024	2024-12-01	Journal of Neuroinflammation	21	1	-	291
Constructing a Secure Charity NFT Auction Platform Using Fisco Bcos Blockchain for Enhancing Transparency and Traceability	Chen, C.-L.I Zhan, W.-B.I Tsaur, W.-J.I Huang, D.-C.I Liu, L.-C.	2024	2024-01-01	IEEE Access	12	-	36924-369	-
Lactoferrin targeting INTL1 receptor inhibits hepatocellular carcinoma progression via apoptosis and cell cycle signaling pathways	Cidem, A.I Chang, G.R.-L.I Yen, C.-C.I Chen, M.-S.I Yang, S.-H.I Chen, C	2024	2024-12-01	Scientific Reports	14	1	-	31210

The novel automated peak frequency annotation algorithm for identifying high frequency electrogram activity following pulmonary vein isolation in atrial fibrillation ablation	Kuo, M.-J. Lo, L.-W. Lin, Y.-J. Kim, S. Chen, S.-A.	2024	2024-06-01	Europace	26	6	-	euae114
Trend analysis of quality indicators in palliative home care among terminally ill cancer and non-cancer patients in Taiwan: a 6-year observational study	Chung, H.-H. Wang, C.-L. Wu, J.-J. Chien, S.-P. Lee, L.-C. Juang, Y.-I	2024	2024-01-01	Supportive Care in Cancer	32	1	-	75
Specificity Enhancement of Glutenase Bga1903 toward Celiac Disease-Eliciting Pro-Immunogenic Peptides via Active-Site Modification	Liu, Y.-Y. Ye, R.-L. Meng, M.	2024	2024-01-01	International Journal of Molecular Sciences	25	1	-	505
Emergence and increased epidemic potential of dengue variants with the NS5V357E mutation after consecutive years of transmission	Ko, H.-Y. Li, Y.-T. Yu, H.-P. Li, Y.-Y. Chiang, M.-T. Simanjuntak, Y.	2024	2024-11-15	iScience	27	11	-	110899
Doxorubicin synergizes bortezomib-induced multiple myeloma cell death by inhibiting aggresome formation and augmenting endoplasmic reticulum/Golgi stress and apoptosis	Yu, C.-T.R. Liao, Y.-T.A. Chiang, C.-Y.N. Chen, J.-M.M. Pan, H.-Y.B.	2024	2024-12-01	Journal of Translational Medicine	22	1	-	1095
aTrial arrhythmias in inhEriTed aRrhythmIa Syndromes: results from the TETRIS study	Conte, G. Bergonti, M. Probst, V. Morita, H. Tfelt-Hansen, J. Behr, E.F	2024	2024-12-03	Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology	26	12	-	-
Porous nanofiber/microparticles-structured membrane of polymyxin B modified poly(styrene-random-glycidyl methacrylate) by electrospray for endotoxin removal in blood purification	Wu, T.-C. Cheng, C.-C. Lu, C.-H. Chen, J.-K.	2024	2024-10-01	Journal of Membrane Science	710	-	-	123142
White light OPD scanning polariscope for whole-field optical path retardation and principal angle examinations	Lin, S.-T. Le, H.-Q. Huang, M.-J.	2024	2024-04-01	Optics and Lasers in Engineering	175	-	-	108022
What Drives IoT-Based Smart Pet Appliances Usage Intention? The Perspective of the Unified Theory of Acceptance and Use of Technology Model	Chen, C.-C. Lin, C.-P.	2024	2024-01-01	International Journal of Interactive Multimedia and Artificial Intelligence	8	7	5-14	-
Structural basis of water-mediated cis Watson – Crick/Hoogsteen base-pair formation in non-CpG methylation	Lin, S.-M. Huang, H.-T. Fang, P.-J. Chang, C.-F. Satange, R. Chang, C	2024	2024-08-12	Nucleic Acids Research	52	14	8566-8579	-
Epidemiology and antimicrobial susceptibility profiles of Enterobacterales causing bloodstream infections before and during COVID-19 pandemic: Results of the Study for Monitoring Antimicrobial Resistance Trends (SMART) in Taiwan, 2018 – 2021	Lee, Y.-L. Liu, C.-E. Tang, H.-J. Huang, Y.-T. Chen, Y.-S. Hsueh, P.-F	2024	2024-06-01	Journal of Microbiology, Immunology and Infection	57	3	446-456	-
An acetamidine-based chloroaluminate polyamide gel electrolyte assists durable rechargeable aluminum/graphite cells	Hsieh, T.-L. Tsai, C.-T. Lin, M.-C.	2024	2024-07-01	Journal of Energy Storage	92	-	-	112022
Association between red blood cell distribution width and 30-day mortality in critically ill septic patients: a propensity score-matched study	Wu, Y.-C. Chen, H.-H. Chao, W.-C.	2024	2024-12-01	Journal of Intensive Care	12	1	-	34
The characterization and comorbidities of heterozygous Bardet-Biedl syndrome carriers	Li, M.-H. Chen, I.-C. Yang, H.-W. Yen, H.-C. Huang, Y.-C. Hsu, C.-C	2024	2024-01-01	International Journal of Medical Sciences	21	5	784-794	-
Regenerative Potential Nanomedicine of Adipocyte Stem Cell-Derived Exosomes in Senescent Skin Tissue	Li, A.-N. Sun, J.-H. Saidin, S. Cheah, J.S. Kuo, C.-H. Li, L. Li, J.-S. E	2024	2024-01-01	International Journal of Nanomedicine	19	-	13149-131	-

Unlocking the ocean's potential: enhancing carbon capture through innovative replacement of methane hydrate by CO2	Chang, T.-T. Choi, W. Seo, Y. Santosa, A.F. Lin, J.-J. Chen, P.-Y. Tas	2024	2024-08-01	Modeling Earth Systems and Environment	10	4	4663-4674	-
Emergence and Rapid Diagnosis of Talaromyces marneffei Infections in Renal Transplant Recipients by Next-Generation Sequencing	Xing, F. Deng, C. Zou, S. Tsang, C.-C. Lo, S.K.F. Lau, S.K.P. Woo, P.	2024	2024-12-01	Mycopathologia	189	6	-	91
Big Data and AI Algorithms for Sustainable Development Goals: A Topic Modeling Analysis	Nedungadi, P. Surendran, S. Tang, K.-Y. Raman, R.	2024	2024-01-01	IEEE Access	12	-	188519-18	-
Benefits of NGS in Advanced Lung Adenocarcinoma Vary by Populations and Timing of Examination	Lee, P.-H. Ou, W.-F. Huang, Y.-H. Hsu, K.-H. Tseng, J.-S. Chang, G.-C.	2024	2024-07-01	International Journal of Molecular Sciences	25	13	-	6949
Motor delay image recognition based on deep learning and human skeleton model	Tu, Y.-F. Lin, L.-Y. Tsai, M.-H. Sung, Y.-S. Liu, Y.-S. Chen, M.-Y.	2024	2024-12-01	Applied Soft Computing	167	-	-	112364
Computationally Efficient Phase Configuration Design for Reconfigurable Intelligent Surface-Assisted Space Shift Keying with Passive Beamforming	Zhang, S.-T. Lin, C.-H. Chen, C.-E.	2024	2024-01-01	IEEE Wireless Communications Letters	13	7	1923-1927	-
Predictive model for shear wave velocity of gravelly soil and its application to liquefaction triggering assessment	Tsai, C.-C. Su, J.-W. Olson, S.M.	2024	2024-11-01	Engineering Geology	342	-	-	107751
Changes in perceived distress among patients receiving inpatient palliative care	Yu, C.-H. Chen, C.-M. Lin, Y.-L.	2024	2024-12-01	Supportive Care in Cancer	32	12	-	820
Beyond acceptance: an empirical investigation of technological, ethical, social, and individual determinants of GenAI-supported learning in higher education	Hsiao, C.-H. Tang, K.-Y.	2024	2024-01-01	Education and Information Technologies	-	-	-	-
Comparison of whole body bone mineral density measurements between dual energy X-ray absorptiometry and novel bioelectrical impedance analysis	Chuang, C.-L. Lai, C.-L. Huang, A.-C. Su, P.-H. Chu, L.-P. Hsieh, K.-C.	2024	2024-12-01	Scientific Reports	14	1	-	29127
Gastroprotective effects of Pediococcus acidilactici GKA4 and Lactobacillus brevis GKL93 against ethanol-induced gastric ulcers via regulation of the immune response and gut microbiota in mice	Huang, Y.-E. Chen, S.-Y. Li, T.-J. Tsai, Y.-S. Chen, C.-C. Yen, G.-C.	2024	2024-10-22	Food and Function	15	23	11491-115	-
Performance comparison of InGaN-based 40 – 80 μ m micro-LEDs fabricated with and without plasma etching	Lo, Y.-Y. Chen, Y.-H. Hsu, Y.-C. Lee, T.-Y. Hung, Y.-Y. Kao, Y.-C. Z	2024	2024-06-01	Materials Today Advances	22	-	-	100485
Contribution of Autophagy to Cellular Iron Homeostasis and Stress Adaptation in Alternaria alternata	Wu, P.-C. Choo, Y.-L. Wei, S.-Y. Yago, J.I. Chung, K.-R.	2024	2024-01-01	International Journal of Molecular Sciences	25	2	-	1123
Electron transfer in MOF-derived cobalt-magnesium oxide – carbon microsphere composite catalytic ozonation of thiamphenicol	Li, Y. Zhang, L. Zhang, Z. Shen, T. Andrew Lin, K.-Y. Tong, S.	2024	2024-09-20	Separation and Purification Technology	344	-	-	127201
Scalable packet classification based on rule categorization and cross-producting	Lin, H.-T. Wang, P.-C.	2024	2024-01-01	Computer Networks	238	-	-	110116
Association of HLA alleles with cephalosporin allergy in the Taiwanese population	Wang, C.-C. Shen, C.-H. Lin, G.-C. Chen, Y.-M. Chen, I.-C.	2024	2024-12-01	Scientific Reports	14	1	-	17167
An optimal deep learning model for the scoring of radiographic damage in patients with ankylosing spondylitis	Chen, Y.-J. Chen, D.-Y. Lan, H.-C. Huang, A.-C. Chen, Y.-H. Huang, Y	2024	2024-01-01	Therapeutic Advances in Musculoskeletal Disease	16	-	-	-
Risk of motor vehicle accidents with profound injuries in patients with ankylosing spondylitis: a nationwide, population-based cohort study	Kao, C.-M. Ho, W.-L. Chen, Y.-M. Hsieh, T.-Y. Huang, W.-N. Chen, Y	2024	2024-01-01	Therapeutic Advances in Musculoskeletal Disease	16	-	-	-
Low-dose imiquimod induces melanogenesis in melanoma cells through an ROS-mediated pathway	Li, Z.-Y. Chang, S.-H. Liu, K.-T. Wu, A.E. Hsu, C.-S. Huang, S.-W. C	2024	2024-01-01	Journal of Dermatological Science	113	1	18-25	-

Effect of increased soil available phosphorus from vermicompost application on the bioavailability, chemical form, and bioaccessibility of heavy metals	Chen, K.-S.I Lai, H.-Y.	2024	2024-09-01	Environmental Geochemistry and Health	46	9	-	343
Comparison of the Controlled Atmosphere Treatment for Submerged and Solid-State Fermentation of <i>Inonotus obliquus</i>	Chen, H.-J.I Chen, Y.-S.I Lin, K.-M.I Tsai, S.-W.I Liao, M.-J.I Yeh, C.-S.I	2024	2024-07-01	Foods	13	14	-	2275
Insights into the sustainable design of engineered hydrochar co-doped with cobalt and nitrogen as peroxymonosulfate activator for fluoroquinolones removal	Manickavasagam, G.I He, C.I Zhou, T.I Lin, K.-Y.A.I Hamidon, T.S.I Huss	2024	2024-12-15	Chemical Engineering Journal	502	-	-	157976
Dupilumab alleviates pruritus regardless of skin improvement in adults with atopic dermatitis: A cohort study	Chen, Y.-W.I Chen, H.-H.I Huang, W.-N.I Hsu, C.-Y.I Chen, Y.-H.I Hung,	2024	2024-01-01	Journal of the American Academy of Dermatology	90	1	195-196	-
Long-term exposure to NO2 and PM2.5 and the occurrence of chronic kidney disease among patients with type 2 diabetes in Taiwan	Chin, W.-S.I Guo, Y.-L.L.I Chang, Y.-K.I Huang, L.-F.I Hsu, C.-C.	2024	2024-10-01	Ecotoxicology and Environmental Safety	284	-	-	116940
Betulin Accelerated the Functional Recovery of Injured Muscle in a Mouse Model of Muscle Contusion	Lu, Y.-H.I Huang, Y.-F.I Hsieh, C.-P.I Chen, J.-K.I Chen, H.-Y.I Chuang, S	2024	2024-01-01	International Journal of Medical Sciences	21	1	37-44	-
In situ modification of foaming bacterial cellulose with chitosan and its application to active food packaging	Lin, S.-P.I Hong, L.I Hsieh, C.-C.I Lin, Y.-H.I Chou, Y.-C.I Santoso, S.P.I	2024	2024-11-01	International Journal of Biological Macromolecules	279	-	-	135114
Dual antiplatelet therapy is associated with favorable outcome in acute minor stroke with an onset-to-door time beyond 24 h	Chen, P.-L.I Wu, Y.-H.I Huang, J.-A.I Liao, N.-C.I Chao, Y.-T.I Wang, C.-	2024	2024-04-01	Journal of the Formosan Medical Association	123	4	501-509	-
Development of a dexamethasone-hyaluronic acid conjugate with selective targeting effect for acute lung injury therapy	Chen, T.-Y.I Chen, K.-C.I Zhang, Y.-H.I Lin, C.-A.I Hsu, W.-Y.I Lin, N.-Y	2024	2024-11-01	International Journal of Biological Macromolecules	280	-	-	136149
A stable copper-modified bipyridine mediator for highly efficient dye-sensitized solar cells	Chen, Y.-H.I Chen, C.-C.I Nguyen, V.S.I Jiang, X.-T.I Chen, Y.-D.I Li, M.	2024	2024-09-18	Cell Reports Physical Science	5	9	-	102159
Optimizing bone and biomass co-torrefaction parameters: High-performance arsenic removal from wastewater via co-torrefied bone char	Chen, W.-H.I Biswas, P.P.I Kwon, E.E.I Lin, K.-Y.A.I Rajendran, S.I Chan	2024	2024-07-01	Environmental Research	252	-	-	118990
Assessment of adverse pregnancy outcomes associated with <i>Helicobacter pylori</i> infection	Wang, S.-J.I Hsieh, C.-J.I Su, Y.-H.I Lin, L.-L.I Chen, W.-C.I Chen, H.-H.I	2024	2024-12-01	Scientific Reports	14	1	-	32023
Exploring paraptosis as a therapeutic approach in cancer treatment	Chang, L.-C.I Chiang, S.-K.I Chen, S.-E.I Hung, M.-C.	2024	2024-12-01	Journal of Biomedical Science	31	1	-	101
Mapping Geological Events and Nitrogen Fixation Evolution Onto the Timetree of the Evolution of Nitrogen-Fixation Genes	Pi, H.-W.I Chiang, Y.-R.I Li, W.-H.	2024	2024-02-01	Molecular Biology and Evolution	41	2	-	msae023
Oral antidiabetic therapy versus early insulinization on glycemic control in newly diagnosed type 2 diabetes patients: a retrospective matched cohort study	Lee, Y.-M.I Lin, P.R.I Sia, H.-K.	2024	2024-12-01	Scientific Reports	14	1	-	15491
A Deep Learning Approach to Classify Fabry Cardiomyopathy from Hypertrophic Cardiomyopathy Using Cine Imaging on Cardiac Magnetic Resonance	Chen, W.-W.I Kuo, L.I Lin, Y.-X.I Yu, W.-C.I Tseng, C.-C.I Lin, Y.-J.I Hu	2024	2024-01-01	International Journal of Biomedical Imaging	2024	-	-	6114826
The Anti-Inflammatory Effect of <i>Lactococcus lactis</i> -Ling-Zhi 8 on Ameliorating Atherosclerosis and Nonalcoholic Fatty Liver in High-Fat Diet Rabbits	Lee, M.-F.I Wang, N.M.I Chu, Y.-W.I Wu, C.-S.I Lin, W.-W.	2024	2024-10-01	International Journal of Molecular Sciences	25	20	-	11278
Natural sweetener glycyrrhizin protects against precocious puberty by modulating the gut microbiome	Nguyen, N.N.I Lin, C.-Y.I Tsai, W.-L.I Huang, H.-Y.I Chen, C.-M.I Tung,	2024	2024-08-01	Life Sciences	350	-	-	122789

Parental feeding in the dinosaur Lufengosaurus revealed through multidisciplinary comparisons with altricial and precocious birds	Reisz, R.R. Huang, T.D. Chen, C.-M. Tu, S.-J. Tsai, T.-C. Zhong, S. M	2024	2024-12-01	Scientific Reports	14	1	-	20309
Comparison of genomic prediction accuracy using different models for egg production traits in Taiwan country chicken	Tu, T.-C. Lin, C.-J. Liu, M.-C. Hsu, Z.-T. Chen, C.-F.	2024	2024-10-01	Poultry Science	103	10	-	104063
Learning the sparse prior: Modern approaches	Peng, G.-J.	2024	2024-01-01	Wiley Interdisciplinary Reviews: Computational Statistics	16	1	-	e1646
Yearly change in air pollution and brain aging among older adults: A community-based study in Taiwan	Lin, Y.-C. Fan, K.-C. Wu, C.-D. Pan, W.-C. Chen, J.-C. Chao, Y.-P. L	2024	2024-08-01	Environment International	190	-	-	108876
Structural and functional characterization of cyclic pyrimidine-regulated anti-phage system	Hou, M.-H. Chen, C.-J. Yang, C.-S. Wang, Y.-C. Chen, Y.	2024	2024-12-01	Nature Communications	15	1	-	5634
Effect of SDF-1 and CXCR4 gene variants on the development of diabetic kidney disease	Ting, K.-H. Yang, P.-J. Su, S.-C. Tsai, P.-Y. Yang, S.-F.	2024	2024-01-01	International Journal of Medical Sciences	21	14	2851-2861	-
The impacts of donors’ perceived personal resource scarcity on their intentions to volunteer for low- and high-responsibility recipients: the mediating role of perceived social worth	Chen, M.-Y.	2024	2024-01-01	International Journal of Advertising	43	3	465-490	-
Structural basis and synergism of ATP and Na+ activation in bacterial K+ uptake system KtrAB	Chiang, W.T. Chang, Y.-K. Hui, W.-H. Chang, S.-W. Liao, C.-Y. Chan	2024	2024-12-01	Nature Communications	15	1	-	3850
A unified framework for time-to-detection occupancy and abundance models	Priyadarshani, D. Huynh, H.-D. Altwegg, R. Hwang, W.-H.	2024	2024-03-01	Methods in Ecology and Evolution	15	3	555-568	-
Renal sympathetic denervation ameliorates the activated inflammatory response through JAK-STAT pathway in a chronic obstructive sleep apnea animal model	Hsiao, Y.-W. Lin, W.-L. Chou, Y.-H. Liu, S.-H. Liao, T.-W.E. Chen, S	2024	2024-01-01	Sleep Medicine	113	-	142-151	-
Urinary non-albumin protein-creatinine ratio is an independent predictor of mortality in patients with type 2 diabetes: a retrospective cohort study	Cheng, Y.-C. Lu, C.-L. Hsu, C.-Y. Sheu, M.-L. Lee, I.-T.	2024	2024-12-01	Scientific Reports	14	1	-	10526
From agricultural biomass to D form lactic acid in ton scale via strain engineering of Lactiplantibacillus pentosus	Yang, C.-C. Chou, C.-H. Guo, G.-L. Lin, Y.-J. Wen, F.-S.	2024	2024-12-01	Bioresource Technology	413	-	-	131553
Comparing the Long-Term Cardiovascular Outcomes of Lumbo-Peritoneal, Ventriculo-Peritoneal, or Non-Shunting Treatment after Idiopathic Normal Pressure Hydrocephalus: A Nationwide Retrospective Cohort Stud	Chiu, C.-D. Chiu, P.-F. Wu, C.-Y. Yip, H.-T. Chiu, Y.-P. Ji, H.-R. Hsu	2024	2024-01-01	International Journal of Medical Sciences	21	4	656-663	-
Development of a tightly regulated copper-inducible transient gene expression system in Nicotiana benthamiana incorporating a suicide exon and Cre recombinase	Chiang, B.-J. Lin, K.-Y. Chen, Y.-F. Huang, C.-Y. Goh, F.-J. Huang, L	2024	2024-10-01	New Phytologist	244	1	318-331	-
Relationship between preoperative glucose level and all-cause mortality in patients with osteoporotic vertebral compression fracture who underwent percutaneous vertebroplasty	Lin, Y.-H. Lin, Y.-T. Wu, Y.-C. Wang, W.-C. Chen, K.-H. Pan, C.-C.	2024	2024-12-01	Scientific Reports	14	1	-	20265
Cooperative Load Transportation of Multi-Drones Based on Disturbance Observer and Formation Control	Chen, W.-C. Kawanishi, M. Lu, C.-Y. Ciou, S.-Y. Lin, C.-L. Hsu, C.-H	2024	2024-01-01	IEEE Access	12	-	77393-774	-
Advanced High-Throughput Rational Design of Porphyrin-Sensitized Solar Cells Using Interpretable Machine Learning	Liao, J.-M. Chen, Y.-H. Lee, H.-W. Guo, B.-C. Su, P.-C. Wang, L.-H.	2024	2024-11-20	Advanced Science	11	43	-	2407235

Retrospective Comparison of the Anesthetic Effects of Tiletamine – Zolazepam with Dexmedetomidine and Ketamine with Dexmedetomidine in Captive Formosan Serow (<i>Capricornis swinhoei</i>)	Chang, L.-J.I Weng, H.-Y.I Lien, C.-Y.I Chen, K.-S.	2024	2024-05-01	Animals	14	10	-	1413
Structure-Guided Discovery of PD-1/PD-L1 Interaction Inhibitors: Peptide Design, Screening, and Optimization via Computation-Aided Phage Display Engineering	Tseng, T.-S.I Lee, C.-C.I Chen, P.-J.I Lin, C.-Y.I Chen, W.-C.I Lee, Y.-C.I	2024	2024-03-11	Journal of Chemical Information and Modeling	64	5	1615-1627	-
Gas Adsorption Mechanism on 2D Materials: The Hyperpolarizability Evolution Analyzed by Nonlinear Optics	Yen, T.-Y.I Hung, Y.-H.I Lee, Y.-Z.I Ho, Y.-T.I Lan, Y.-W.I Wu, C.-H.I H	2024	2024-10-15	Advanced Functional Materials	34	42	-	2406005
Oral supplementation of vegan collagen biomimetic has beneficial effects on human skin physiology: A double-blind, placebo-controlled study	Lin, Y.-K.I Liang, C.-H.I Lin, Y.-H.I Lin, T.-W.I Jiménez Vázquez, J.I van	2024	2024-01-01	Journal of Functional Foods	112	-	-	105955
Combatting Antibiotic-Resistant <i>Staphylococcus aureus</i> : Discovery of TST1N-224, a Potent Inhibitor Targeting Response Regulator VraRC, through Pharmacophore-Based Screening and Molecular Characterizations	Hsu, Y.-C.I Liu, C.-H.I Wu, Y.-C.I Lai, S.-J.I Lin, C.-J.I Tseng, T.-S.	2024	2024-08-12	Journal of Chemical Information and Modeling	64	15	6132-6146	-
Asthma control associated with anxiety and depression in asthmatic children following post-acute COVID-19	Chang, T.-M.I Chen, Y.I Yang, K.D.I Wang, J.-Y.I Lin, C.-Y.I Chang, Y.-J	2024	2024-06-01	Pediatric Allergy and Immunology	35	6	-	e14168
Sustainable education on improving the quality of peer assessment: design and implementation of an online deep learning-based peer assessment system	Lin, K.-C.I Li, N.-T.I Chen, M.-Y.	2024	2024-01-01	Library Hi Tech	-	-	-	-
Clinical application and feasibility of capsule endoscopy in children at a medical center in central Taiwan	Liao, Y.-J.I Lin, W.-T.I Liao, S.-C.I Lin, S.-J.I Huang, Y.-C.I Wu, M.-C.I L	2024	2024-01-01	Journal of the Formosan Medical Association	-	-	-	-
Automatic Segmentation of Membranous Glottal Gap Area with U-Net-Based Architecture	Hackman, A.I Chen, C.-H.I Chen, A.W.-G.I Chen, M.-K.	2024	2024-06-01	Laryngoscope	134	6	2835-2843	-
Uncertainty-Based Capacity Factors of Operational Wind Turbines Using the Generalized Likelihood Uncertainty Estimation (GLUE) Method	Chang, T.-J.I Chang, K.-H.I Yu, H.-L.I Chen, C.-Y.I Pan, S.-Y.	2024	2024-01-01	International Journal of Energy Research	2024	-	-	6383680
Frequency-responsive sorption of metal ions onto magnetic polyvinyltetrazole microspheres through a solenoid-wrapped glass tube with magnetophoresis force	Chen, C.-W.I Wang, C.-F.I Lu, C.-H.I Chen, J.-K.	2024	2024-06-01	Journal of Water Process Engineering	63	-	-	105508
Air-based sputtering deposition of TiN(O)/a-TiNxOy multilayer films for enhanced mechanical properties and corrosion resistance	Li, P.-H.I Yang, X.-X.I Lu, F.-H.	2024	2024-04-15	Surface and Coatings Technology	481	-	-	130668
Engineered pinhole-stitching process of PEI-based hollow fiber membrane enables preferred performance toward light gas separation	Lin, Y.-T.I Li, J.-Y.I Wey, M.-Y.I Tseng, H.-H.	2024	2024-01-02	International Journal of Hydrogen Energy	50	-	400-408	-
Index for assessing spalling in tunnel lining based on displacement monitoring and crack mapping	Wang, T.-T.I Chiu, Y.-C.I Li, K.-J.	2024	2024-11-01	Tunnelling and Underground Space Technology	153	-	-	105975
Atomic-Level Insights of Polypyrrole Grafted InGaZnO Structure for ppb-Level Ozone Gas Sensing at Low Operating Temperature	Deng, Z.-Y.I Lin, W.-Y.I Kumar, U.I Chen, K.-L.I Wang, T.-H.I Chen, J.-F	2024	2024-08-07	ACS Applied Materials and Interfaces	16	31	41495-415	-
Antrodia cinnamomea extract alleviates bleomycin-induced pulmonary fibrosis in mice by inhibiting the mTOR pathway	Lan, Y.-W.I Chen, C.-E.I Huang, T.-T.I Huang, T.-H.I Chen, C.-M.I Chong	2024	2024-12-01	Biomedical Journal	47	6	-	100720
Novel method to estimate horizontal variability of shear wave velocity through multichannel analysis of surface waves	Chang, Y.-H.I Tsai, C.-C.I Ge, L.I Park, D.	2024	2024-12-01	Engineering Geology	343	-	-	107799
Genetic characterization of respiratory syncytial virus surface glycoproteins F and G in Taiwan, 2017 – 2021	Fang, Y.P.I Chang, C.C.I Lai, D.W.I Lee, C.Y.	2024	2024-08-01	Journal of Microbiology, Immunology and Infection	57	4	564-572	-

Speciation, phytoavailability, and accumulation of toxic elements and sulfur by humic acid-fertilized lemongrass and common sage in a sandy soil treated with heavy oil fly ash: A trial for management of power stations wastes	Al-Solaimani, S.G.I Al-Qureshi, A.I Hindi, S.S.I Ibrahim, O.H.I Mousa, M.	2024	2024-10-01	Science of the Total Environment	945	-	-	173998
High-Dimensional Projected Clustering for Learner Competency Analysis in Medical Training Programs	Harikumar, S.I Jayamohan Pillai, C.S.I Vani Chithra, V.I Raman, R.I Kaim	2024	2024-01-01	IEEE Access	12	-	171807-17	-
GenSC: Generative Semantic Communication Systems Using BART-Like Model	Chang, M.-K.I Hsu, C.-T.I Yang, G.-C.	2024	2024-01-01	IEEE Communications Letters	28	10	2298-2302	-
Effects of AST-120 on mortality in patients with chronic kidney disease modeled by artificial intelligence or traditional statistical analysis	Lee, C.-L.I Liu, W.-J.I Tsai, S.-F.	2024	2024-12-01	Scientific Reports	14	1	-	738
Enhancing early detection of cognitive decline in the elderly: a comparative study utilizing large language models in clinical notes	Du, X.I Novoa-Laurentiev, J.I Plasek, J.M.I Chuang, Y.-W.I Wang, L.I Ma	2024	2024-11-01	eBioMedicine	109	-	-	105401
An organic-inorganic heterojunction electrocatalyst for highly efficient urea oxidation	Wu, T.-H.I Qiu, Z.-T.I Hsieh, C.-N.I Chen, Z.-T.I Wang, T.-W.I Liu, P.-L.I	2024	2024-08-06	Journal of Materials Chemistry A	12	37	25186-251	-
NAMPT enhances LOX expression and promotes metastasis in human chondrosarcoma cells by inhibiting miR-26b-5p synthesis	Lin, C.-Y.I Law, Y.-Y.I Yu, C.-C.I Wu, Y.-Y.I Hou, S.-M.I Chen, W.-L.I Y	2024	2024-09-01	Journal of Cellular Physiology	239	9	-	e31345
Psoriatic arthritis risk in psoriasis patients prescribed acitretin versus disease-modifying antirheumatic drugs: a nationwide cohort study	Lin, T.-L.I Chang, Y.-L.I Ho, H.J.I Chen, Y.-J.I Wu, C.-Y.	2024	2024-06-01	Rheumatology (United Kingdom)	63	6	1624-1631	-
Influence of Imperfections on the Operational Correctness of DNN-kWTA Model	Lu, W.I Leung, C.-S.I Sum, J.	2024	2024-01-01	IEEE Transactions on Neural Networks and Learning Systems	35	10	15021-150	-
What is the spatiotemporal pattern of benzene concentration spread over susceptible area surrounding the Hartman Park community, Houston, Texas?	Asri, A.K.I Newman, G.D.I Tao, Z.I Zhu, R.I Chen, H.-L.I Lung, S.-C.C.I V	2024	2024-08-05	Journal of Hazardous Materials	474	-	-	134666
Novel Recurrent neural networks for efficient heat transfer analysis in radiative moving porous triangular fin with heat generation	Saqib, S.U.I Farooq, U.I Fatima, N.I Shih, Y.-T.I Mir, A.I Kolsi, L.	2024	2024-12-01	Case Studies in Thermal Engineering	64	-	-	105516
Potential PCR amplification bias in identifying complex ecological patterns: Higher species compositional homogeneity revealed in smaller-size coral reef zooplankton by metatranscriptomics	Mattos, F.M.G.I Dreyer, N.I Fong, C.-L.I Wen, Y.-H.V.I Jain, D.I DeVivo,	2024	2024-04-01	Molecular Ecology Resources	24	3	-	e13911
Functional and mechanistic studies of a phytogenic formulation, Shrimp Best, in growth performance and vibriosis in whiteleg shrimp	Lee, Y.-S.I Umam, K.I Kuo, T.-F.I Yang, Y.-L.I Feng, C.-S.I Yang, W.-C.	2024	2024-12-01	Scientific Reports	14	1	-	11584
Magnetically-manipulatable and self-cleaning lab-on-a-bubble Ag@TiO2@Fe3O4 hollow spheres and their application in SERS detection and photocatalytic degradation	Song, J.-M.I Yang, W.-R.I Hsu, P.-K.I Chen, S.-Y.I Yasuda, K.	2024	2024-11-12	Applied Surface Science	673	-	-	160897
The Robin problems for the coupled system of reaction – diffusion equations	Huang, P.-C.I Pan, B.-Y.	2024	2024-12-01	Boundary Value Problems	2024	1	-	29
Two-dimensional superconductivity with exotic magnetotransports in conventional superconductor BiIn2	Lei, Z.I Deng, Z.Y.I Chen, I.N.I Lin, C.W.I Wu, C.H.I Liu, E.P.I Chen, W.	2024	2024-08-01	Materials Today Physics	46	-	-	101505
African swine fever; insights into genomic aspects, reservoirs and transmission patterns of virus	Alotaibi, B.S.I Wu, C.-H.I Khan, M.I Nawaz, M.I Chen, C.-C.I Ali, A.	2024	2024-01-01	Frontiers in Veterinary Science	11	-	-	1413237
Design of Versatile Top-Down Transfer by Thermal Release Tape/Poly(methyl methacrylate) (TRT/PMMA) Bi-Supporting Layers Toward All-Transfer Transition Metal Dichalcogenide Material Based Transistor Arrays	Shen, Y.-C.I Wu, B.-K.I Tsai, T.-S.I Liu, M.I Chen, J.-H.I Yang, T.-Y.I Cy	2024	2024-02-01	Small Science	4	2	-	2300144

Epitope(s) involving amino acids of the fusion loop of Japanese encephalitis virus envelope protein is(are) important to elicit protective immunity	Fan, Y.-C. Chen, J.-M. Chen, Y.-Y. Ke, Y.-D. Chang, G.-J.J. Chiou, S.-	2024	2024-04-01	Journal of Virology	98	4	-	-
Recommendations and guidelines for endoscope reprocessing: Current position statement of digestive endoscopic society of Taiwan	Chang, W.-K. Peng, C.-L. Chen, Y.-W. Sun, C.-K. Chen, C.-C. Liu, T.-	2024	2024-04-01	Journal of Microbiology, Immunology and Infection	57	2	211-224	-
Impact of diet and bacterial supplementation regimes on Orius strigicollis microbiota and life history performance	Hung, Y.-T. Wong, A.C.-N. Tang, C.-K. Wu, M.-C. Tuan, S.-J.	2024	2024-12-01	Scientific Reports	14	1	-	20727
The Information-Leveling Role of Management Forecast Consistency in Facilitating Investment Efficiency	Chin, C.-L. Chiu, P.-C. Haight, T. Yu, P.-H.	2024	2024-01-01	European Accounting Review	33	2	519-543	-
Species selection as a key factor in the afforestation of coastal salt-affected lands: Insights from pot and field experiments	Su, T.-H. Shen, Y. Chiang, Y.-Y. Liu, Y.-T. You, H.-M. Lin, H.-C. Ku	2024	2024-06-01	Journal of Environmental Management	360	-	-	121126
Deep Image Guiding: Guide Knee Ultrasound Scanning Using Hierarchical Classification and Retrieval	Lo, C.-M. Lai, K.-L.	2024	2024-01-01	IEEE Transactions on Instrumentation and Measurement	73	-	-	2533309
Association of Methylenetetrahydrofolate Reductase rs1801133 Polymorphism with osteoporosis and fracture risk in Taiwan	Li, M.-H. Chen, I.-C. Yang, H.-W. Yen, H.-C. Ke, Y.-Y. Chen, Y.-M.	2024	2024-01-01	International Journal of Medical Sciences	21	12	2261-2271	-
Handover QG: Question Generation by Decoder Fusion and Reinforcement Learning	Chung, H.-L. Chan, Y.-H. Fan, Y.-C.	2024	2024-01-01	IEEE/ACM Transactions on Audio Speech and Language Processing	32	-	3644-3655	-
Test – Retest Reliability and Responsiveness of the Machine Learning-Based Short-Form of the Berg Balance Scale in Persons With Stroke	Chen, P.-T. Hsueh, I.-P. Lee, S.-C. Lee, M.-L. Twu, C.-W. Hsieh, C.-L	2024	2024-01-01	Archives of Physical Medicine and Rehabilitation	-	-	-	-
Enhancement of Thermal Tolerance and Growth Performances of Asian Seabass (Lates calcarifer) Fed with Grape Extract Supplemented Feed	Akram, S. Ranasinghe, N. Lee, T.-H. Chou, C.-C.	2024	2024-09-01	Animals	14	18	-	2731
Visual investigation of static contact conditions at bolted joints	Li, G.-S. Chan, Y.J.	2024	2024-02-01	International Journal of Solids and Structures	288	-	-	112621
Develop and Validate a Prognostic Index With Laboratory Tests to Predict Mortality in Middle-Aged and Older Adults Using Machine Learning Models: A Prospective Cohort Study	Huang, C.-H. Fang, Y.-H. Zhang, S. Wu, I.-C. Chuang, S.-C. Chang, H	2024	2024-05-01	Journals of Gerontology - Series A Biological Sciences and Medical Sciences	79	5	-	glae041
A compact open boundary treatment for a pure thermal plume by direct numerical simulation	Wang, W.-H. Chang, H.-C.	2024	2024-09-01	International Communications in Heat and Mass Transfer	157	-	-	107832
Field-isolated brewing yeast produces wheat beer flavor without wheat ingredients	Shen, X.-J. Chen, I.-H. Chen, W.-H. Hsu, Y.-C. Tsai, C.-H.	2024	2024-05-01	LWT	199	-	-	116088
Sulfur-functionalized rice straw biochar for enhanced cadmium sorption: Spectroscopic, kinetic and computational insights	Ahmed, M.M.M. Liao, C.-H. Liu, Y.-T. Venkatesan, S. Hsieh, Y.-C. Na	2024	2024-12-15	Journal of Cleaner Production	484	-	-	144267
Physical activity modifies cognitive impairment-associated mortality risks among chronic kidney disease	Tsai, M.-T. Lin, Y.-S. Huang, S.-S. Weng, S.-C. Yang, C.-Y. Lee, K.-H	2024	2024-12-01	Journal of Affective Disorders	366	-	354-363	-
Soluble Epoxide Hydrolase Inhibitor Ameliorates Olfactory Dysfunction, Modulates Microglia Polarization, and Attenuates Neuroinflammation after Ischemic Brain Injury	Yeh, C.-F. Chuang, T.-Y. Lan, M.-Y. Lin, Y.-Y. Huang, W.-H. Hung, Y	2024	2024-12-01	Journal of Neuroimmune Pharmacology	19	1	-	54
Phytosesquiterpene lactones deregulate mitochondrial activity and phenotypes associated with triple-negative breast cancer metastasis	Cheng, Y.-T. Chang, D.-M. Tung, Y.-C. Hsiao, P.-W. Nakagawa-Goto,	2024	2024-12-01	Phytomedicine	135	-	-	156226

Optimal timing for video assisted thoracic surgery decortication for improved survival in chronic empyema	Lin, C.-M.I Chen, Y.-L.I Cheng, Y.-F.I Cheng, C.-Y.I Huang, C.-L.I Hung,	2024	2024-12-01	Scientific Reports	14	1	-	24548
Presence of Flazin in Miso and Identification of Four Tryptophan-Derived β -Carbolines Formed during Fermentation	Li, Y.-J.I Zhang, Y.-P.I Chiu, P.-C.I Lin, S.-M.I Lee, C.I Lo, C.-Y.I Lien, W	2024	2024-09-25	Journal of Agricultural and Food Chemistry	72	38	21065-210	-
Opportunistic screening with multiphase contrast-enhanced dual-layer spectral CT for osteoblastic lesions in prostate cancer compared with bone scintigraphy	Liu, M.-C.I Ho, C.-C.I Lin, Y.-T.I Chai, J.-W.I Hung, S.-W.I Wu, C.-H.I Li	2024	2024-12-01	Scientific Reports	14	1	-	5310
Synergistic Fat-Reducing Effect of Deoxycholic Acid and Rhein in Lipid-Based Nanoparticles with Reduced Toxicity for Obesity Treatment	Hsu, C.-Y.I Huang, T.-H.I Fang, J.-Y.I Lin, Z.-C.I Chen, C.-J.I Hwang, E.I	2024	2024-01-01	International Journal of Nanomedicine	19	-	12129-121	-
FROM RECEIVERS TO SENDERS: HOW SOCIAL MEDIA INFLUENCERS’ SELF-DISCLOSURE LEADS TO POSITIVE WORD OF MOUTH FROM FOLLOWERS	Wang, E.S.-T.I Weng, Y.-J.I Liao, Y.-T.	2024	2024-01-01	Journal of Electronic Commerce Research	25	3	209-222	-
E-procurement optimization in supply chain: A dynamic approach using evolutionary algorithms	Raghul, S.I Jeyakumar, G.I Anbuudayasankar, S.P.I Lee, T.-R.	2024	2024-12-01	Expert Systems with Applications	255	-	-	124823
Time synchronization between parietal – frontocentral connectivity with MRCP and gait in post-stroke bipedal tasks	Phang, C.-R.I Su, K.-H.I Cheng, Y.-Y.I Chen, C.-H.I Ko, L.-W.	2024	2024-12-01	Journal of NeuroEngineering and Rehabilitation	21	1	-	101
Enzymatic Production of Trehalose and Trehalulose by Immobilized Thermostable Trehalose Synthase	Yong, Z.-L.I Chen, Y.-T.I Chan, C.I Lee, G.-C.	2024	2024-01-01	Journal of Agricultural and Food Chemistry	-	-	-	-
Accurate prediction of antimicrobial resistance and genetic marker of Staphylococcus aureus clinical isolates using MALDI-TOF MS and machine learning – across DRIAMS and Taiwan database	Wang, W.-Y.I Chiu, C.-F.I Tsao, S.-M.I Lee, Y.-L.I Chen, Y.-H.	2024	2024-11-01	International Journal of Antimicrobial Agents	64	5	-	107329
Style-exprGAN: Diverse Smile Style Image Generation Via Attention-Guided Adversarial Networks	Tu, C.-T.I Chen, K.-L.	2024	2024-01-01	IEEE Transactions on Affective Computing	15	3	1190-1201	-
Higher fasting glucose is associated with poorer survival in non-diabetic subjects having ischemia with non-obstructive coronary arteries	Liang, K.-W.I Sheu, W.H.H.I Lee, W.-J.I Wang, J.-S.I Lee, W.-L.	2024	2024-12-01	Scientific Reports	14	1	-	20681
Overnight returns following large price movements	Lin, A.Y.I Lin, H.-Y.I Huang, L.-H.I Lin, Y.-N.	2024	2024-04-01	Finance Research Letters	62	-	-	105136
White Matter Hyperintensities and Cognitive Functions in People With the R544C Variant of the NOTCH3 Gene Without Stroke or Dementia	Tung, H.I Chou, C.-C.I Chen, H.-M.I Chen, Y.-M.I Wu, Y.-Y.I Chai, J.-W.	2024	2024-10-07	Neurology	103	9	-	e209941
Insights of Fabry disease: Expert consensus approach for screening, diagnosis, and multidisciplinary management in chronic kidney disease	Lin, C.-J.I Yang, F.-J.I Wu, C.-J.I Wu, M.-J.I Wu, M.-S.	2024	2024-01-01	Journal of the Formosan Medical Association	-	-	-	-
Biomass yield potential, feedstock quality, and nutrient removal of perennial buffer strips under continuous zero fertilizer application	Lin, C.-H.I Zumpf, C.I Jang, C.I Voigt, T.I Tian, G.I Oladeji, O.I Cox, A.I M	2024	2024-11-05	Biogeosciences	21	21	4765-4784	-
Exploring synergy/trade-offs of urban green infrastructure strategies of Taipei - a systemic approach	Lee, Y.-C.I Shih, N.-C.	2024	2024-11-01	Urban Climate	58	-	-	102170
Inter-subject gamma oscillation synchronization as a biomarker of abnormal processing of social interaction in ADHD	Yang, M.-T.I Fan, H.-C.I Lee, H.-J.I Woudsma, K.J.I Lin, K.-S.I Liang, J.-S	2024	2024-12-01	Scientific Reports	14	1	-	17924
Probing substrate binding inside a paramagnetic cavity: a NMR spectroscopy toolbox for combined experimental and theoretical investigation	Sarkar, S.I Wu, C.-Q.I Manna, S.I Samanta, D.I Chen, P.P.I Rath, S.P.	2024	2024-09-24	Chemical Science	15	42	17407-174	-

Isolation and evaluation of the pathogenicity of a hybrid shiga toxin-producing and Enterotoxigenic Escherichia coli in pigs	Nammuang, D.I Shen, Y.-W.I Ke, C.-H.I Kuan, N.-L.I Lin, C.-N.I Yeh, K.-	2024	2024-12-01	BMC Veterinary Research	20	1	-	480
Boric acid toxic sugar bait suppresses male Aedes aegypti (Diptera: Culicidae): wing beat frequency and amplitude, flight activity, fecundity, insemination, and mate-finding Allee effect	Chiu, M.-C.I Huang, I.-B.I Yu, J.-J.I Liao, Y.-C.I Chareonviriyaphap, T.I N	2024	2024-11-01	Pest Management Science	80	11	5876-5886	-
Interplay between polygenic risk score and solar insolation: Implication for systemic lupus erythematosus diagnosis and pathogenesis	Chen, I.-C.I Chan, T.-C.I Yang, H.-W.I Chen, Y.-J.I Chen, Y.-M.	2024	2024-10-01	Seminars in Arthritis and Rheumatism	68	-	-	152531
Polydimethylsiloxane dialysis passive sampler monitoring of chlorinated solvent contaminated sites – A field study	Liang, C.I Wang, C.-W.	2024	2024-04-01	Chemosphere	354	-	-	141634
Evaluation of Antioxidant and Anti-Glycemic Characteristics of Aged Lemon Peel Induced by Three Thermal Browning Models: Hot-Air Drying, High Temperature and Humidity, and Steam-Drying Cycle	Chuang, K.-C.I Chiang, Y.-C.I Chang, Y.-J.I Lee, Y.-C.I Chiang, P.-Y.	2024	2024-10-01	Foods	13	19	-	3053
Astragaloside IV reduces mutant Ataxin-3 levels and supports mitochondrial function in Spinocerebellar Ataxia Type 3	Lin, Y.I Cheng, W.I Chang, J.I Wu, Y.I Hsieh, M.I Liu, C.	2024	2024-12-01	Scientific Reports	14	1	-	25979
Biodegradable hafnium-doped CaCO3 nanoparticles as a dual-modality radiosensitizer for cancer radiotherapy	Chen, M.-H.I Zeng, X.-H.I Shu, Y.-T.I Liang, H.-K.I Chen, C.-Y.I Lin, C.-	2024	2024-01-01	Nanomedicine	19	13	1133-1144	-
Pseudomonas mosselii: a potential alternative for managing pyrethroid-resistant Aedes aegypti	Leelagud, P.I Wang, H.-L.I Lu, K.-H.I Dai, S.-M.	2024	2024-09-01	Pest Management Science	80	9	4344-4351	-
Kefir peptides mitigate L-NAME-induced preeclampsia in rats through modulating hypertension and endothelial dysfunction	Chen, Y.-H.I Chang, Y.-C.I Wu, W.-J.I Chen, M.I Yen, C.-C.I Lan, Y.-W.I	2024	2024-11-01	Biomedicine and Pharmacotherapy	180	-	-	117592
Predictive factors for shunt dependency in patients with spontaneous intraventricular hemorrhage	Li, C.-R.I Yen, C.-M.I Yang, M.-Y.I Cheng, W.-Y.I Shen, C.-C.I Liu, S.-Y	2024	2024-12-01	Scientific Reports	14	1	-	26462
Mycolyltransferase is important for biofilm formation and pathogenesis of Tsukamurella keratitis	Teng, J.L.-L.I Tang, Y.I Wong, S.S.-Y.I Yeung, M.L.I Cai, J.-P.I Chen, C.I	2024	2024-01-01	Emerging Microbes and Infections	13	1	-	2373317
Microbiome heterogeneity in tissues of the coral, Fimbriaphyllia (Euphyllia) ancora	Chuang, P.-S.I Wang, T.-H.I Lu, C.-Y.I Tandon, K.I Shikina, S.I Tang, S.-I	2024	2024-08-01	Environmental Microbiology Reports	16	4	-	e13310
Whole-body replacement of larval myofibers generates permanent adult myofibers in zebrafish	Kumar, U.I Fang, C.-Y.I Roan, H.-Y.I Hsu, S.-C.I Wang, C.-H.I Chen, C.-H	2024	2024-08-01	EMBO Journal	43	15	3090-3115	-
Comprehensive two-dimensional analytical modeling of groundwater levels in bi-directional sloping heterogeneous aquifers under variable recharge conditions	Hsieh, P.-C.I Wu, M.-C.	2024	2024-12-01	Journal of Hydrology	645	-	-	132199
Susceptibility of atrial fibrillation in genetic architecture and heritability: A genome-wide association study in Taiwan	Wu, C.-I.I Chen, I.-C.I Chen, Y.-Y.I Chen, Y.-M.I Lin, Y.-J.I Hsieh, Y.-C.I	2024	2024-09-01	Heart Rhythm	21	9	1656-1657	-
Wave-Weighted Modulation in Electrical Impedance Tomography	Tuan Nguyen Diep, Q.I Nhut Huynh, H.I Ven Huynh, T.I Quan Cao Dinh,	2024	2024-01-01	IEEE Access	12	-	161018-16	-
Evaluation of chronic stress status and quality of life in cats suffering from chronic kidney disease and suspected feline infectious peritonitis based on hair cortisol concentration analysis and a questionnaire	Chen, C.-H.I Chang, C.-C.I Chen, W.-C.I Lee, Y.-J.	2024	2024-01-01	Veterinary Quarterly	44	1	1-9	-
Association of Titin Polymorphisms with the Progression of Oral Squamous Cell Carcinoma and Its Clinicopathological Characteristics	Hsu, C.-H.I Chen, M.-K.I Lo, Y.-S.I Ho, H.-Y.I Lin, C.-C.I Chuang, Y.-C.I	2024	2024-09-01	International Journal of Molecular Sciences	25	18	-	9878

Kaposi Sarcoma as a Possible Cutaneous Adverse Effect of ChAdOx1 nCov-19 Vaccine: A Case Report	Li, Y.-H.I Lin, Y.-T.I Chuang, S.-H.I Yang, H.-J.	2024	2024-10-01	Vaccines	12	10	-	1168
Hydrogen production optimization from methanol steam reforming using Box-Behnken design, analysis of variance, and artificial neural network	Chen, W.-H.I Cheng, C.-Y.I Chih, Y.-K.I Chein, R.-Y.I Lin, K.-Y.A.I Sarav	2024	2024-01-01	International Journal of Hydrogen Energy	-	-	-	-
Engineering of uniform anisotropic interconnection system with polyimide films for flexible electronics	Ha, H.I Lee, B.I Choi, S.I Qaiser, N.I Kwon, S.I Choi, Z.I Chen, C.-M.I Hw	2024	2024-12-01	Ain Shams Engineering Journal	15	12	-	103064
EQGG: Automatic Question Group Generation	Huang, P.-C.I Chan, Y.-H.I Yang, C.-Y.I Chen, H.-Y.I Fan, Y.-C.	2024	2024-01-01	IEEE Transactions on Learning Technologies	17	-	2048-2061	-
Humic acid changes effect of naturally occurring oxidants on the environmental transformation of molybdenum disulfide nanosheets	Lee, T.-W.I Chen, C.	2024	2024-09-01	Journal of Environmental Management	368	-	-	122190
Rapid label-free impedimetric detection of progesterone enhanced by immunomagnetic bead-based competitive immunoreaction	Chuang, Y.-S.I Wang, C.-K.I Li, C.-Y.I Li, C.I Wu, C.-C.	2024	2024-08-15	Talanta	276	-	-	126204
Artificial Intelligence-Based Reliability and Material Characterization of AlInGaP LEDs in Salty Water Environments	Wang, D.-Y.I Lin, Y.-L.I Chen, Y.-T.I He, E.-T.I Chen, W.-C.I Kuo, Y.-W	2024	2024-01-01	IEEE Access	12	-	170936-17	-
The impact of Alpha-s1 Casein hydrolysate on chronic insomnia: A randomized, double-blind controlled trial	Chang, C.-M.I Tsai, I.-J.I Yang, C.-C.I Liu, W.-C.I Yang, C.-P.	2024	2024-12-01	Clinical Nutrition	43	12	275-284	-
Collaborative Joint Precoding for Multiuser, Multiple-Input Multiple-Output, Dual-Function Radar Communications Systems	Liu, T.-W.I Chen, C.-E.	2024	2024-01-01	IEEE Transactions on Vehicular Technology	73	12	19855-198	-
Assessment of the Biocompatibility Ability and Differentiation Capacity of Mesenchymal Stem Cells on Biopolymer/Gold Nanocomposites	Hung, H.-S.I Shen, C.-C.I Wu, J.-T.I Yueh, C.-Y.I Yang, M.-Y.I Yang, Y.-C	2024	2024-07-01	International Journal of Molecular Sciences	25	13	-	7241
Human Disabled-2 regulates thromboxane A2 signaling for efficient hemostasis in thrombocytopenia	Tsai, H.-J.I Chang, Y.-F.I Hsieh, Y.-J.I Wang, J.-D.I Wu, C.-C.I Ho, M.-Y.	2024	2024-12-01	Nature Communications	15	1	-	9816
LVADet: A Computer Vision-Based System for Detecting Lymphatic Vessels in Indocyanine Green Images	Tai, Y.-L.I Cheng, K.-Y.I Tseng, Y.-C.I Chen, Y.-T.I Lai, C.-S.	2024	2024-01-01	IEEE Access	-	-	-	-
An easy-to-implement construction for (k,n)-threshold progressive visual secret sharing schemes	Chen, H.-B.I Hsu, H.-C.I Huang, C.-W.I Juan, J.S.-T.	2024	2024-06-01	Journal of Information Security and Applications	83	-	-	103757
Advances in asymmetric moist-electric generators with innovative heterogeneous structures	Ni, K.I Ren, Q.I Liu, S.I Sun, B.I Lai, Y.-C.I Zhang, X.I Liu, R.	2024	2024-09-03	Energy and Environmental Science	17	24	9406-9424	-
I am not an animal: How animal metaphors backfire in product advertising	Huang, W.-H.	2024	2024-12-01	Psychology and Marketing	41	12	3009-3023	-
Improved prediction of anti-angiogenic peptides based on machine learning models and comprehensive features from peptide sequences	Lee, Y.-C.I Yu, J.-C.I Ni, K.I Lin, Y.-C.I Chen, C.-T.	2024	2024-12-01	Scientific Reports	14	1	-	14387
Elucidating the Onset of Cross-Protective Immunity after Intranasal Vaccination with the Attenuated African Swine Fever Vaccine Candidate BA71 ΔCD2	Marín-Moraleda, D.I Muñoz-Basagoiti, J.I Tort-Miró, A.I Navas, M.J.I Mu	2024	2024-05-01	Vaccines	12	5	-	517
A Fixed-Frequency Single-Phase Resonant Direct AC-AC Converter Integrating Variable Inductor Technique for High-Frequency Induction Heating Applications	Dong, G.I Lin, C.-W.I Lai, C.-M.I Liu, S.I Mishima, T.	2024	2024-01-01	IEEE Access	12	-	177711-17	-
Combination of an enzyme-linked immunosorbent assay and an indirect fluorescence assay for a nationwide sero-survey of Toxoplasma gondii infection in pig herds in Taiwan	Teng, K.T.-Y.I Chang, C.-C.I Hung, S.-W.I Chiou, M.-T.I Lin, C.-N.I Yang	2024	2024-09-01	Preventive Veterinary Medicine	230	-	-	106286

Antibiotic Susceptibility of Aerobic and Facultative Anaerobic Gram-Negative Rods in Hong Kong and Implications on Usefulness of Ceftazidime-Avibactam and Ceftolozane-Tazobactam	Teng, J.L.L.I Chan, E.I Li, T.T.I Kwan, T.Y.I Chan, K.F.I Li, W.H.I Tang,	2024	2024-09-01	Antibiotics	13	9	-	802
Factors influencing the decision to receive total knee replacement among patients with severe knee osteoarthritis under universal health insurance coverage	Wang, C.-C.I Huang, K.-C.I Ku, M.-C.I Pan, C.-C.I Hsieh, C.-P.I Chang, I.	2024	2024-12-01	Scientific Reports	14	1	-	30028
Analytical study on 2D groundwater flow in a sloping unconfined aquifer under spatiotemporal recharge	Wu, M.-C.I Hsieh, P.-C.	2024	2024-12-01	Applied Water Science	14	12	-	258
Environmental salinity differentiates responses to acute hypothermal stress in milkfish	Ranasinghe, N.I Huang, Y.-R.I Wu, W.-H.I Lee, S.-S.I Ho, C.-W.I Lee, T.-	2024	2024-12-01	Science of the Total Environment	954	-	-	176643
The economic feasibility of commercial bioactive compound process from fermented soybeans	Myint, N.N.I Sakulshah, N.I Srinophakun, P.I Nail, H.M.I David Wang, H.	2024	2024-11-15	LWT	212	-	-	116967
Post-fire performance evaluation of steel connections under a column-loss scenario	Chang, H.-Y.I Chiu, P.-C.I Lai, P.-C.I Lai, C.-M.	2024	2024-04-01	Developments in the Built Environment	18	-	-	100412
Antibiotic cocktail followed by Clostridium butyricum (CBM588) supplementation improves colonic anastomotic healing in mice	Chen, C.-H.I Chen, J.-W.I Lai, C.-H.I Tsai, C.-M.I Chen, C.-C.I Lin, W.-C.	2024	2024-10-01	Journal of Functional Foods	121	-	-	106450
Predictive value of polygenic risk score for prostate cancer incidence and prognosis in the Han Chinese	Hung, S.-C.I Chang, L.-W.I Hsiao, T.-H.I Wei, C.-Y.I Wang, S.-S.I Li, J.-R	2024	2024-12-01	Scientific Reports	14	1	-	20453
Application of frass from black soldier fly larvae treatment of cattle dung in pulp and papermaking	Sun, H.-C.I Lai, Y.-H.I Shyu, J.-G.I Perng, Y.-S.	2024	2024-12-01	Scientific Reports	14	1	-	2986
Fabrication of Stable Liquid-like Wetting Buckled Surfaces as Bioinspired Antibiofouling Coatings by Using Silicon-Containing Block Copolymers	Chen, T.-L.I Huang, C.-Y.I Lai, Y.-S.I Chen, Y.-C.I Yang, Y.-J.I Wang, W	2024	2024-07-17	ACS Applied Materials and Interfaces	16	28	37212-372	-
Functional identification of specialized diterpene synthases from Chamaecyparis obtusa and C. obtusa var. formosana to illustrate the putative evolution of diterpene synthases in Cupressaceae	Wu, T.-J.I Lin, C.-C.I Ma, L.-T.I Yang, C.-K.I Ho, C.-L.I Wang, S.-Y.I Chu	2024	2024-07-01	Plant Science	344	-	-	112080
Do greenness and landscape indices for greenspace correlate with suicide ratio?	Lee, H.-Y.I Chang, H.-T.I Herianto, S.I Wu, C.-S.I Liu, W.-Y.I Yu, C.-P.I F	2024	2024-02-01	Landscape and Urban Planning	242	-	-	104935
Boosting degradation of C4mim cation by metal alkoxide-derived Co4S3-activated Oxone: Yolk-Shell-Engineered enhancement and DFT-assisted toxic evaluation	Trang, T.D.I Khiem, T.C.I Huy, N.N.I Huang, C.-W.I Ghotekar, S.I Huang,	2024	2024-09-15	Journal of Molecular Liquids	410	-	-	125468
Fine-Grained Emotion Comprehension: Semisupervised Multimodal Emotion and Intensity Recognition	Fang, Z.I Liu, Z.I Liu, T.I Hung, C.-C.	2024	2024-01-01	IEEE Transactions on Computational Social Systems	-	-	-	-
Association of maternal constipation and risk of atopic dermatitis in offspring	Guo, J.-Y.I Wu, M.-C.I Wang, Y.-H.I Wei, J.C.-C.	2024	2024-01-01	International Journal of Medical Sciences	21	9	1790-1798	-
Protein degradation of antizyme depends on the N-terminal degrons	Hsieh, J.-Y.I Leong, P.-Y.I Yang, Y.-F.I Liu, Y.-L.I Liu, G.-Y.I Hung, H.-C	2024	2024-11-01	Protein Science	33	11	-	e5199
Macrophage-mediated controlled release of cysteine protease inhibitor from PLGA-PEG/hydroxyapatite microspheres for targeting cathepsin S in Alzheimer's disease	Yang, I.-H.I Kuan, C.-Y.I Zhang, S.-L.I Chen, Z.-Y.I Li, C.-H.I Liang, Y.-J	2024	2024-06-24	European Polymer Journal	214	-	-	113151
An Innovative Geo-AI Approach in Estimating High-Resolution Urban Ambient Fungal Spore Variations	Wong, P.-Y.I Su, H.-J.I Chao, H.J.I Pan, W.-C.I Tsai, H.-J.I Yao, T.-C.I Liu	2024	2024-01-01	Earth Systems and Environment	-	-	-	-
Effects of Zinc Oxide Nanoparticles (ZnO NPs) on Growth, Immune Responses and Histopathological Alterations in Asian Seabass (Lates calcarifer, Bloch 1790) under Low-Salinity Conditions	Sukhsangchan, R.I Phaksopa, J.I Uchuwittayakul, A.I Chou, C.-C.I Srisapo	2024	2024-09-01	Animals	14	18	-	2737

Facile fabrication of the immuno-MALDI-MS chip for the enrichment of abused drug in human urine integrated with MALDI-MS analysis	Chen, H.-P.I Hsiao, H.-H.	2024	2024-11-15	Analytica Chimica Acta	1329	-	-	343224
Nucleocytoplasmic shuttling of BEFV M protein-modulated by lamin A/C and chromosome maintenance region 1 through a transcription-, carrier- and energy-dependent pathway	Chang, Y.-K.I Lin, Y.-J.I Cheng, C.-Y.I Tsai, P.-C.I Wang, C.-Y.I Nielsen,	2024	2024-04-01	Veterinary Microbiology	291	-	-	110026
Alternation of psychological resilience may moderate mentalization toward mental health conditions from macro- and microstructure aspects	Chang, Y.-H.I Yang, M.-H.I Yang, C.-T.I Goh, J.I Lin, S.-H.I Hsieh, S.	2024	2024-10-01	NeuroImage	299	-	-	120810
Enhancing screening rates for bone health management in prostate cancer patients on androgen deprivation therapy with an automated outpatient system	Wang, C.-L.I Wang, S.-S.I Chen, C.-S.I Hung, S.-C.I Chen, C.-C.I Yang, C	2024	2024-12-01	Scientific Reports	14	1	-	28460
Comprehensive insights into the impact of bacterial indole-3-acetic acid on sensory preferences in <i>Drosophila melanogaster</i>	Aziz, R.A.I Ramesh, P.I Suchithra, K.V.I Stothard, P.I Narayana, V.K.I Rag	2024	2024-12-01	Scientific Reports	14	1	-	8311
Behavioral responses and life history traits of Taiwanese and Indonesian populations of <i>Aedes aegypti</i> surviving deltamethrin – clothianidin treatment	Silalahi, C.N.I Yasin, A.I Chen, M.-E.I Ahmad, I.I Neoh, K.-B.	2024	2024-12-01	Parasites and Vectors	17	1	-	117
Exploring the health-promoting potential: Dietary intervention with live or inactivated <i>Lactobacillus gasseri</i> HM1 probiotics in obese mice	Shiu, W.-C.I Chen, B.-Y.I Ku, Y.-W.I Chen, P.-W.	2024	2024-04-01	Journal of Functional Foods	115	-	-	106129
25-Hydroxycholecalciferol Improves Cardiac Metabolic Adaption, Mitochondrial Biogenetics, and Redox Status to Ameliorate Pathological Remodeling and Functional Failure in Obese Chickens	Chiang, S.-K.I Sin, M.-Y.I Lin, J.-W.I Siregar, M.I Valdez, G.I Chen, Y.-H	2024	2024-11-01	Antioxidants	13	11	-	1426
MicroRNA Signature in an In Vitro Keratinocyte Model of Diabetic Wound Healing	Tsai, H.-C.I Chang, G.R.-L.I Tung, M.-C.I Tu, M.-Y.I Chen, I.-C.I Liu, Y.-	2024	2024-09-01	International Journal of Molecular Sciences	25	18	-	10125
Improving the early diagnosis and clinical outcomes of shock patients via laser speckle contrast imaging assessment of peripheral hemodynamics	Hsieh, M.-C.I Hu, J.-J.I Lin, Y.-R.I Li, S.-Y.I Hsieh, P.-Y.I Shing Ching, C	2024	2024-12-20	iScience	27	12	-	111307
Miltefosine reduces coxsackievirus B3 lethality of mice with enhanced STAT3 activation	Zhang, C.Y.I Hung, C.-H.I Hsiao, Y.-L.I Chang, T.-M.I Su, Y.-C.I Wang, I	2024	2024-03-01	Antiviral Research	223	-	-	105824
Molecular Mechanisms Underlying the Anticancer Properties of Pitavastatin against Cervical Cancer Cells	Chen, Y.-H.I Wu, J.-X.I Yang, S.-F.I Wu, Y.-C.I Hsiao, Y.-H.	2024	2024-07-01	International Journal of Molecular Sciences	25	14	-	7915
Upcycling of waste polycarbonate to recyclable Poly(carbonate-imines) with exceptional thermal properties and unprecedented flame retardancy	Chen, Y.-C.I Mu, P.-Q.I Sudhir K. Reddy, K.I Jeng, R.-J.I Abu-Omar, M.M	2024	2024-07-15	Chemical Engineering Journal	492	-	-	152376
Synergistic effect of net-houses and light sources on the enhancement of off-season flowering waves and production of ‘Da Hong’ red-fleshed pitaya	Chien, Y.-H.I Chu, Y.-C.I Hsu, Y.-H.I Chang, J.-C.	2024	2024-04-01	Scientia Horticulturae	329	-	-	112982
Protective Effects of Ambroxol on A β and α -Synuclein-Induced Neurotoxicity Through Glucocerebrosidase Activation in HT-22 Hippocampal Neuronal Cells	Lin, S.-C.I Chang, C.-C.I Tsou, S.-H.I Chiu, P.-Y.I Cheng, J.-F.I Hung, H.-	2024	2024-11-01	International Journal of Molecular Sciences	25	22	-	12114
Knowledge, attitudes, and practices toward leishmaniasis and one health: a cross-sectional study among medical and veterinary professionals	Khan, Y.I Lin, I.-C.I Khan, S.I Kanwal, M.I Wajid, A.I Khan, A.I Noor, F.I	2024	2024-01-01	Frontiers in Veterinary Science	11	-	-	1515370
High-Power Oscillator and High-Efficiency Rectifier for 900-MHz Wireless Power Transfer System With Minimal Components	Hsu, H.-M.I Yang, B.I Chang, C.-Y.I Kawai, K.I Yen, F.-J.I Shinohara, N.	2024	2024-04-01	IEEE Transactions on Microwave Theory and Techniques	72	4	2669-2676	-

Sputum bacterial microbiota signature as a surrogate for predicting disease progression of nontuberculous mycobacterial lung disease	Huang, H.-L. Lin, C.-H. Lee, M.-R. Huang, W.-C. Sheu, C.-C. Cheng, J.-S.	2024	2024-12-01	International Journal of Infectious Diseases	149	-	-	107085
Log Preservation in Custody Dual Blockchain With Energy Regime and Obfuscation Shuffle	Chew, C.-J. Lee, W.-B. Chen, T.-H. Lin, I.-C. Lee, J.-S.	2024	2024-07-01	IEEE Transactions on Network Science and Engineering	11	4	3495-3511	-
Elevated risk of sexually transmitted infections among adolescents and young adults with borderline personality disorder: a retrospective longitudinal nationwide population-based study	Chang, C.-C. Chen, M.-H. Bai, Y.-M. Tsai, S.-J. Chen, T.-J. Liou, Y.-J.	2024	2024-12-01	European Child and Adolescent Psychiatry	33	12	4185-4194	-
IoT-Based Hand Hygiene Compliance Monitoring System and Validation of Its Effectiveness in Hospital Environments	Wu, J.-Y. Lin, Y.-C. Lee, S.-Y. Chen, C.-P. Cheng, S.-H. Cheng, C.-Y.	2024	2024-12-01	Global Challenges	8	12	-	2400124
Evaluating the impact of specimen and punch sizes on the tensile strength of UHPC through double punch testing	Lai, Y.-C. Lee, M.-H. Tai, Y.-S.	2024	2024-10-25	Construction and Building Materials	449	-	-	138060
Mitochondrial calcium uniporter as biomarker and therapeutic target for breast cancer: Prognostication, immune microenvironment, epigenetic regulation and precision medicine	Lin, H.-Y. Chu, P.-Y.	2024	2024-01-01	Journal of Advanced Research	-	-	-	-
Importin α 2 participates in RNA interference against bamboo mosaic virus accumulation in Nicotiana benthamiana via NbAGO10a-mediated small RNA clearance	Wang, J.-D. Hsu, Y.-H. Lee, Y.-S. Lin, N.-S.	2024	2024-01-01	Molecular Plant Pathology	25	1	-	e13422
Comprehensive pathogen identification and antimicrobial resistance prediction from positive blood cultures using nanopore sequencing technology	Liu, P.-Y. Wu, H.-C. Li, Y.-L. Cheng, H.-W. Liou, C.-H. Chen, F.-J. Li, C.-H.	2024	2024-12-01	Genome Medicine	16	1	-	141
The Limited Effect of Reduced Typhoon Frequency on Stream Hydrochemistry in a Subtropical Forest Watershed	Chang, C.-T. Huang, J.-C. Wang, L. Wang, H.-H. Lee, J.-Y. Lin, T.-C.	2024	2024-06-01	Earth's Future	12	6	-	e2023EF004056
In vitro neuroprotective effects and in silico evaluation of the pharmacological potential of two phenolic acids and a derivative originated from the edible red macroalga (<i>Bangia fuscopurpurea</i>)	Huang, S.-Y. Hsieh, C.-W. Feng, C.-W.	2024	2024-08-01	Journal of Functional Foods	119	-	-	106322
Facile synthesis and characterization of magnetic iron oxide (Fe3O4)-loaded cationic amino-modified passion fruit shell nanocomposite and their application in removal of anionic Alizarin Red S dye from aqueous medium	Munagapati, V.S. Wen, H.-Y. Gollakota, A.R.K. Wen, J.-C. Lin, K.-Y. A	2024	2024-11-15	Journal of Molecular Liquids	414	-	-	126197
Genetic polymorphisms in FABP2, CYP2E1, and TP53 genes are potentially associated with colorectal cancer susceptibility	Ijaz, M. Chen, C.-C. Iqbal, R.K. Farooq, H.A. Mehmood, R. Asif, M. A	2024	2024-12-01	Scientific Reports	14	1	-	20464
Seasonal variations of empyema in Taiwan: A 10-year analysis	Cheng, Y.-F. Chen, Y.-L. Chuang, W.-L. Chang, C.-C. Wang, B.-Y.	2024	2024-10-01	Journal of Infection and Public Health	17	10	-	102534
Risk of new onset hyperuricemia and chronic kidney disease after living kidney donation through propensity score matching analysis	Kao, Y.-N. Huang, S.-T. Wang, I.-K. Chuang, Y.-W. Lin, C.-L. Lee, B.	2024	2024-12-01	Scientific Reports	14	1	-	20015
Upregulation of ENAH by a PI3K/AKT/ β -catenin cascade promotes oral cancer cell migration and growth via an ITGB5/Src axis	Chan, X.-Y. Chang, K.-P. Yang, C.-Y. Liu, C.-R. Hung, C.-M. Huang,	2024	2024-12-01	Cellular and Molecular Biology Letters	29	1	-	136

Sex differences in the association of long-term exposure to heat stress on kidney function in a large Taiwanese population study	Chen, Y.-K.I Wu, P.-H.I Wu, P.-Y.I Tsai, Y.-C.I Chiu, Y.-W.I Chang, J.-M	2024	2024-12-01	Scientific Reports	14	1	-	14599
A composite electrocatalytic poly(3,4-ethylenedioxythiophene) film incorporated with silver nanowires for bifacial dye-sensitized solar cells	Lo, Y.-H.I Chen, Y.-H.I Huang, C.-F.I Pitchai, C.I Liu, W.-S.I Chang, C.-C	2024	2024-12-10	Electrochimica Acta	507	-	-	145132
Wild mungbean resistance to the nematode Meloidogyne enterolobii involves the induction of phenylpropanoid metabolism and lignification	Lee, S.-K.I Liao, P.-Z.I Lin, C.-Y.I Chen, H.-W.I Hsieh, M.-S.I Lin, Y.-P.I	2024	2024-09-01	Physiologia Plantarum	176	5	-	e14533
A Tale of Three: Magnetic Fields along the Orion Integral-shaped Filament as Revealed by the JCMT BISTRO Survey	Wu, J.I Qiu, K.I Poidevin, F.I Bastien, P.I Liu, J.I Ching, T.-C.I Bourke, T.I	2024	2024-12-20	Astrophysical Journal Letters	977	2	-	-
Fabrication and evaluation of a CMOS-based energy harvesting chip integrating photovoltaic and thermoelectric energy harvesters	Dai, Z.-X.I Chen, C.-Y.	2024	2024-10-01	Energy Conversion and Management: X	24	-	-	100748
Effect of Parental Severe Mental Disorders on the Timing of Autism Diagnosis: A Family Linkage Study	Tuan, Y.I Chen, L.-C.I Chen, I.-C.I Tsai, S.-J.I Chen, T.-J.I Chen, M.-H.	2024	2024-01-01	Journal of Autism and Developmental Disorders	-	-	-	-
Temperature-dependent indirect gaps for two-dimensional bismuth oxychalcogenides probed by spectroscopic ellipsometry	Liu, H.-L.I Chen, H.-W.I Tuan Hung, N.I Chen, Y.-C.I Liu, H.-J.I Chen, C.	2024	2024-07-01	2D Materials	11	3	-	35029
Theoretical modeling of triboelectric receiver transducer for mechanic-electrical transformations	Chang, H.I Zhao, H.I Qin, R.I Dong, Z.I Li, Y.I Lai, Y.-C.I Ding, W.I Wang	2024	2024-10-01	Nano Energy	129	-	-	110039
Predictive approach for liberation from acute dialysis in ICU patients using interpretable machine learning	Wang, T.-J.I Huang, C.-T.I Wu, C.-L.I Chen, C.-H.I Wang, M.-S.I Chao, W	2024	2024-12-01	Scientific Reports	14	1	-	13142
High oxidative stability of a complex fish liver oil nano-capsules in response to long-term storage, and to hyperthermal and sunlight exposure	Tsai, M.-F.I Nargotra, P.I Liao, K.-T.I Wang, H.-M.D.I Tsai, Y.-H.I Liu, Y	2024	2024-04-01	Journal of the Science of Food and Agriculture	104	6	3594-3605	-
The Role of Ryanodine Receptor 2 Polymorphisms in Oral Squamous Cell Carcinoma Susceptibility and Clinicopathological Features	Hsu, C.-H.I Hong, S.-F.I Lo, Y.-S.I Ho, H.-Y.I Lin, C.-C.I Chuang, Y.-C.I F	2024	2024-10-01	International Journal of Molecular Sciences	25	19	-	10328
Pharmacokinetics, optimal dosages and withdrawal time of amoxicillin in Nile tilapia (Oreochromis niloticus) reared at 25 and 30 °C	Rairat, T.I Lu, Y.-P.I Ho, W.-C.I Ke, H.-J.I Chou, C.-C.	2024	2024-01-01	Veterinary Quarterly	44	1	1-9	-
Solution-state self-assembly of novel poly(carbamoyl methacrylate)s synthesized via combining Passerini three-component reactions and free radical polymerizations	Ejeta, D.D.I Huang, Y.-S.I Hsu, J.-R.I Gurská, M.I Kuo, S.-W.I Kollár, J.I M	2024	2024-09-18	European Polymer Journal	218	-	-	113361
Histone deacetylase Hos2 regulates protein expression noise by potentially modulating the protein translation machinery	Lin, W.-H.I Opoc, F.J.G.I Liao, C.-W.I Roy, K.R.I Steinmetz, L.M.I Leu, J	2024	2024-07-22	Nucleic Acids Research	52	13	7556-7571	-
The risk of postherpetic neuralgia in COVID-19 vaccination-associated herpes zoster: A retrospective cohort study using TriNetX	Ma, S.-H.I Chen, T.-L.I Ou, W.-F.I Chao, W.-C.I Chen, H.-H.I Wu, C.-Y.	2024	2024-12-02	Vaccine	42	26	-	126451
Correlation between change in serum creatinine concentration and renal cortical anisotropic backscattering artifact in azotemic cats during hospitalization	Kang, M.-J.I Liu, P.-C.I Heng, H.G.I Chen, K.-S.	2024	2024-01-01	Veterinary Quarterly	44	1	1-8	-
Emergence and transmission of the high-risk ST78 clone of OXA-48-producing Enterobacter hormaechei in a single hospital in Taiwan	Chen, C.-M.I Tang, H.-L.I Chen, Y.-T.I Ke, S.-C.I Lin, Y.-P.I Chen, B.-H.I	2024	2024-01-01	Emerging Microbes and Infections	13	1	-	2404165

Magnetic raspberry-like CuCo nanoalloy-embedded carbon as an enhanced activator of Oxone to degrade azo contaminant: Cu-induced hollowed structure and boosted activities	Trang, T.D.I Khiem, T.C.I Huy, N.N.I Huang, C.-W.I Ghotekar, S.I Chen, Y	2024	2024-12-01	Journal of Colloid and Interface Science	675	-	275-292	-
The impact and risk factors for developing pneumogenic bacteremia in carbapenem-resistant Acinetobacter baumannii nosocomial pneumonia in the intensive care unit: A multicenter retrospective study	Wang, S.-H.I Teng, C.-K.I Chan, M.-C.I Yang, K.-Y.I Sheu, C.-C.I Liang, S	2024	2024-09-01	International Journal of Infectious Diseases	146	-	-	107128
Urinary angiotensin-converting enzyme 2 and its activity in cats with chronic kidney disease	Kuo, T.-C.I Hsu, W.-L.I Wu, V.-C.I Jan, T.-R.I Tsai, P.-S.J.I Lee, Y.-J.	2024	2024-01-01	Frontiers in Veterinary Science	11	-	-	1362379
Target and non-target analysis with molecular network strategies for identifying potential index compounds from Momordica charantia L. for alleviating non-alcoholic fatty liver	Yang, L.-C.I Lee, Y.-T.I Kumaran, A.I Huang, S.-Q.I Su, C.-H.I Wu, D.-R.	2024	2024-11-01	Industrial Crops and Products	219	-	-	119014
Characteristics of the extended-spectrum- β -lactamase-producing Escherichia coli isolated from diseased livestock and poultry in Taiwan	Kuan, N.-L.I Chen, Y.-P.I Shien, J.-H.I Yeh, K.-S.	2024	2024-12-01	Scientific Reports	14	1	-	29459
A High-Payload Data Hiding Scheme Based on Absolute Moment Block Truncation Coding for Minimizing Hiding Impact	Lin, C.-C.I Zhang, B.I Tai, W.-L.I Shiu, P.-F.I Jan, J.-K.	2024	2024-01-01	Symmetry	16	1	-	64
Improving the meiotic competence of small antral follicle-derived porcine oocytes by using dibutyryl-cAMP and melatonin	Jitjumnong, J.I Tang, P.-C.	2024	2024-06-01	Animal Bioscience	37	6	1007-1020	-
Therapeutic Effect of Lecigel, Cetiol®CC, Activonol-6, Activonol-M, 1,3-Propanediol, Soline, and Fucocert® (LCAA-PSF) Treatment on Imiquimod-Induced Psoriasis-like Skin in Mice	Li, C.-C.I Lin, C.-C.I Lee, C.-Y.I Sheu, M.-L.I Tsai, Y.-C.I Tsai, C.-Y.I Wu	2024	2024-07-01	International Journal of Molecular Sciences	25	14	-	7720
Extended field-of-view scanning in LiDAR systems using computer-generated holography-based spatial light modulator	Tsai, C.-M.I Lu, C.-N.I Yu, Y.-H.I Yu, T.-C.I Han, P.I Fang, Y.-C.	2024	2024-03-01	Optics and Lasers in Engineering	174	-	-	107982
APOE- ϵ 4 Alleles Modify the Decline of MMSE Scores Associated With Time-Dependent PM2.5 Exposure: Findings From a Community-Based Longitudinal Cohort Study	Hsiao, P.-J.I Wu, C.-D.I Wong, P.-Y.I Chung, M.-C.I Yang, Y.-W.I Wu, L.	2024	2024-09-01	American Journal of Geriatric Psychiatry	32	9	1080-1092	-
Visfatin Facilitates VEGF-D-Induced Lymphangiogenesis through Activating HIF-1 α and Suppressing miR-2277-3p in Human Chondrosarcoma	Song, C.-Y.I Hsieh, S.-L.I Yang, S.-Y.I Lin, C.-Y.I Wang, S.-W.I Tsai, C.-J	2024	2024-05-01	International Journal of Molecular Sciences	25	10	-	5142
Evaluation of hypoxia-inducible factor-1 α and urine non-transferrin-bound iron concentrations in cats with chronic kidney disease	Chen, C.-H.I Hsu, W.-L.I Tsai, P.-S.J.I Lai, C.-F.I Wu, M.-T.I Lee, Y.-J.	2024	2024-01-01	Frontiers in Veterinary Science	11	-	-	1482998
Face Aging Synthesis by Deep Cycle Generative Adversarial Networks and Bias Loss	Liu, T.-J.I Wang, C.-C.	2024	2024-01-01	IEEE Access	12	-	166439-16	-
Lithium-ion battery with high-voltage LiNi0.5-xFexMn1.5O4/pectin electrode material	Su, Y.-H.I Chan, K.-T.I Chi, P.-W.I Wu, P.M.I Lin, H.-E.I Chang-Liao, K.-	2024	2024-11-01	Journal of Energy Storage	101	-	-	113767
A new birth weight chart and optimal birth weight percentiles for predicting infant mortality	Chang, J.-C.I Chen, Y.-J.I Chen, I.-C.I Lin, W.-S.I Lin, C.-T.I Lin, Y.-C.I C	2024	2024-12-01	Scientific Reports	14	1	-	30123
The learning curve for cavernous sinus surgery illustrated by symptomatic intracavernous aneurysm clipping through a pretemporal transcavernous approach	Chih-Hsiang, L.I Chun-Fu, L.I Jui-To, W.I Wei-Hsin, W.I Shao-Ching, C.I	2024	2024-01-01	Journal of Neurosurgery	140	1	183-193	-

Phytogenic Synthesis of Cuprous and Cupric Oxide Nanoparticles Using Black jack Leaf Extract: Antibacterial Effects and Their Computational Docking Insights	Paramasivam, S.I Chidambaram, S.I Karumalaiyan, P.I Velayutham, G.I Ch	2024	2024-11-01	Antibiotics	13	11	-	1088
Influenza Infection during Pregnancy and Risk of Seizures in Offspring	Lee, Y.-F.I Lin, Y.-H.I Lin, C.-H.I Lin, M.-C.	2024	2024-09-23	JAMA Network Open	7	9	-	-
LPI-based correction factor for response spectrum at liquefied sites	Tsai, C.-C.I Kan, C.-Y.I Hwang, Y.-W.	2024	2024-10-01	Bulletin of Earthquake Engineering	22	13	6281-6303	-
Hepatitis C virus antibody seropositivity is associated with albuminuria but not peripheral artery disease in patients with type 2 diabetes	Cheng, Y.-C.I Lee, T.-Y.I Li, Y.-H.I Lu, C.-L.I Liu, H.-C.I Sheu, M.L.I Lee	2024	2024-12-01	Scientific Reports	14	1	-	4607
High-Efficiency Broadband Infrared Thin-Film Germanium Photodetector Enhanced by a Resonant Cavity and a Nano-Slit Metasurface	Hsu, C.-Y.I Pei, Z.I Liu, J.-M.	2024	2024-01-01	IEEE Access	12	-	156904-15	-
Platelet-derived mitochondria regulate lipid metabolism in nonalcoholic steatohepatitis via extracellular vesicles	Liao, T.-L.I Chen, D.-Y.I Hsieh, S.-L.I Yang, Y.-Y.I Chen, Y.-M.I Tang, K	2024	2024-01-01	Hepatology	-	-	-	-
Using a comprehensive model for cropland types in relationships between soil bulk density and organic carbon to predict site-specific carbon stocks	Hou, C.-J.I Lu, Y.-H.I Tseng, Y.-C.I Tsai, Y.-C.I Huang, W.-L.I Juang, K.-	2024	2024-07-01	Journal of Soils and Sediments	24	7	2584-2598	-
Enhancing ocular protection against UVB: The role of irigenin in modulating oxidative stress and apoptotic pathways In Vivo	Yeh, K.-L.I Wu, S.-W.I Chiang, C.-Y.I Chen, C.-J.I Chen, W.-Y.I Tseng, C	2024	2024-10-01	Biomedicine and Pharmacotherapy	179	-	-	117346
Maternal autoimmune disease and offspring risk of haematological malignancies: a case – control study	Liu, S.-N.I Wu, M.-C.I Lin, W.-S.I Lin, C.-H.I Cheng-Chung Wei, J.	2024	2024-09-01	eClinicalMedicine	75	-	-	102794
Substituting animal protein with black soymilk reduces advanced glycation end product level and improves gut microbiota composition in obese prediabetic individuals: a randomized crossover intervention trial	Chang, Y.-H.I Lee, P.-N.I Chen, C.-H.I Yang, H.-Y.I Wu, C.-H.I Doong, J.	2024	2024-11-26	Food and Function	16	1	195-206	-
Effects of physical sterilization on microbial safety, nutritional composition, and antioxidant activity of queen bee larva powder, a by-product of royal jelly production	Chen, Y.-H.I Lin, J.-A.I Peng, C.-C.I Hsu, P.-S.I Wu, T.-H.I Chen, Y.-H.I V	2024	2024-11-01	Food Control	165	-	-	110678
Investigating developmental characteristics of biopsied blastocysts stratified by mitochondrial copy numbers using time-lapse monitoring	Lee, C.-I.I Su, C.-Y.I Chen, H.-H.I Huang, C.-C.I Cheng, E.-H.I Lee, T.-H.	2024	2024-12-01	Reproductive Biology and Endocrinology	22	1	-	89
Transcriptomic Analysis of Vitrified – Warmed vs. Fresh Mouse Blastocysts: Cryo-Induced Physiological Mechanisms and Implantation Impact	Lee, C.-Y.I Tsai, H.-N.I Cheng, E.-H.I Lee, T.-H.I Lin, P.-Y.I Lee, M.-S.I L	2024	2024-08-01	International Journal of Molecular Sciences	25	16	-	8658
Minimum habitat size required to detect new rare species	Chen, Y.I Shen, T.-J.	2024	2024-10-01	Ecology	105	10	-	e4400
Targeting chondroitin sulfate suppresses macropinocytosis of breast cancer cells by modulating syndecan-1 expression	Yen, H.-R.I Liao, W.-C.I Chen, C.-H.I Su, Y.-A.I Huang, Y.-W.I Hsiao, C.	2024	2024-10-01	Molecular Oncology	18	10	2569-2585	-
Mechanistic exploration of royal jelly production in caged honey bees (Apis mellifera)	Peng, Z.-W.I Hung, Y.-T.I Wu, M.-C.	2024	2024-12-01	Scientific Reports	14	1	-	30277
Prediction of potential drug targets and key inhibitors (ZINC67974679, ZINC67982856, and ZINC05668040) against Rickettsia felis using integrated computational approaches	Rahman, S.I Liu, H.I Shah, M.I Almutairi, M.M.I Liaqat, I.I Tanaka, T.I Ch	2024	2024-01-01	Frontiers in Veterinary Science	11	-	-	1507496

Effectiveness of Ozone Treatment and Packaging Techniques in Preserving Taiwanese Domestic Beef During Refrigerated Storage	Huang, C.-W.I Takeda, S.I Chen, Y.-P.I Cheng, F.-Y.I Wu, P.-J.I Lin, L.-C	2024	2024-11-01	Foods	13	21	-	3471
Trimodal therapy and surgical approaches in stage IIIA/N2 non-small cell lung cancer	Hu, P.-C.I Huang, J.-Y.I Cheng, Y.-F.I Cheng, C.-Y.I Huang, C.-L.I Hung,	2024	2024-12-01	Scientific Reports	14	1	-	29441
Routine whole spine magnetic resonance imaging for patients with anorectal malformations	Su, S.-K.I Chen, H.-C.I Chou, C.-M.I Huang, S.-Y.I Chen, H.-C.	2024	2024-12-01	Scientific Reports	14	1	-	22217
High-Resolution Intact Protein Analysis via Phase-Modulated, Stepwise Frequency Scan Ion Trap Mass Spectrometry	Chen, F.-H.I Cheng, C.-Y.I Chou, S.-W.I Yang, C.-H.I Lu, I.-C.I Yeh, M.-I	2024	2024-09-17	Analytical Chemistry	96	37	14867-148	-
Revealing the Charge Density Wave Caused by Peierls Instability in Two-Dimensional NbSe2	Lee, Y.-T.I Chen, P.-T.I Li, Z.-H.I Wu, J.-Y.I Kuo, C.-N.I Lue, C.S.I Wu, C	2024	2024-07-01	ACS Materials Letters	6	7	2941-2947	-
The subsequent risk of retinal vein occlusion disease after sinusitis diagnosis: a nationwide population-based study	Tsai, T.-Y.I Huang, J.-Y.I Chao, S.-C.I Hsu, S.-M.I Yang, S.-F.I Lin, H.-Y.	2024	2024-12-01	Scientific Reports	14	1	-	29184
Consensus on COVID-19 vaccine recommendations: Challenges and strategies for high-risk populations in Taiwan	Wu, C.-H.I Hung, W.-C.I Huang, C.-F.I Liu, Y.-T.I Cheng, S.-Y.I Chang, C	2024	2024-01-01	Journal of the Formosan Medical Association	-	-	-	-
Glycyrrhizic acid conjugates with amino acid methyl esters target the main protease, exhibiting antiviral activity against wild-type and nirmatrelvir-resistant SARS-CoV-2 variants	Le, U.N.P.I Chang, Y.-J.I Lu, C.-H.I Chen, Y.I Su, W.-C.I Chao, S.-T.I Bal	2024	2024-07-01	Antiviral Research	227	-	-	105920
Quantitative analysis of aeolian dust incidence and diagnosis using a dynamic Bayesian network model: A case study of estuary area in central Taiwan	Wang, Y.-C.I Chang, K.-H.I Hsu, T.-Y.I Lu, Y.-H.I Chiang, L.-C.	2024	2024-10-01	Atmospheric Environment	334	-	-	120698
Designing cultivated meat: Overcoming challenges in the production process and developing sustainable packaging solutions	Adi, P.I Mulyani, R.I Yudhistira, B.I Chang, C.-K.I Gavahian, M.I Hsieh, C	2024	2024-10-01	Trends in Food Science and Technology	152	-	-	104675
The Structural Role of RPN10 in the 26S Proteasome and an RPN2-Binding Residue on RPN13 Are Functionally Important in Arabidopsis	Lin, S.-Y.I Lin, Y.-L.I Usharani, R.I Radjacommaré, R.I Fu, H.	2024	2024-11-01	International Journal of Molecular Sciences	25	21	-	11650
Metal-organic framework-derived carbon-supported high-entropy alloy nanoparticles applied in ammonia borane hydrolytic dehydrogenation	Chang, L.-X.I Rajamanickam, P.I Hsu, L.-C.I Chang, C.-K.I Chuang, Y.-C.	2024	2024-09-01	Journal of Catalysis	437	-	-	115663
Exploring efficient copper recovery and recycling in Taiwan's printed circuit board manufacturing through material-flow cost accounting	Chou, F.-R.I Chauvy, R.I Chen, P.-C.	2024	2024-07-01	Sustainable Production and Consumption	48	-	84-98	-
An Approximate Point-Spread Function for Electrical Impedance Tomography Imaging	Huynh, H.N.I Tuan Nguyen Diep, Q.I Tran, A.T.I Tak Shing Ching, C.I Ng	2024	2024-01-01	IEEE Access	12	-	128246-12	-
Association of long noncoding RNA GAS5 gene polymorphism with progression of diabetic kidney disease	Yang, P.-J.I Ting, K.-H.I Tsai, P.-Y.I Su, S.-C.I Yang, S.-F.	2024	2024-01-01	International Journal of Medical Sciences	21	11	2201-2207	-
Accumulation and bio-oxidation of arsenite mediated by thermoacidophilic Cyanidiales: innate potential biomaterials toward arsenic remediation	Cho, Y.-L.I Tzou, Y.-M.I Assakinah, A.I Than, N.A.T.I Yoon, H.S.I Park, S	2024	2024-08-01	Bioresource Technology	406	-	-	130912
Systematic establishment of the relationship between skin absorption and toxicity of furanoids via in silico, in vitro, and in vivo assessments	Lin, Y.-K.I Hsiao, C.-Y.I Chen, C.-J.I Alalaiwe, A.I Lee, C.I Huang, T.-H.I	2024	2024-11-15	Environmental Research	261	-	-	119757
Molecular Characterization and Potential Host-switching of Swine Farm associated Clostridioides	Huang, J.I Li, T.I Zhu, Y.I Li, Q.I Kuo, C.-J.I Guo, X.I Wei, B.I Ni, P.I Don	2024	2024-07-01	Veterinary Microbiology	294	-	-	110129

Exploring the Potential of Duck Egg White Jelly: Enhancing Texture, Reducing Phosphate, and Innovating Emulsified Meat Snacks	Zheng, N.-Y. Chen, Y.-P. Liu, Y.-C. Shiu, J.-S. Chang, L.-B. Wang, S.-	2024	2024-12-01	Foods	13	23	-	3892
The HD-ZIP II Gene PaHAT14 Increases Cuticle Deposition by Downregulating ERF Gene PaERF105 in Phalaenopsis	Mao, W.-T. Hsu, W.-H. Song, J.-L. Yang, C.-H.	2024	2024-12-06	Plant & cell physiology	65	11	1751-1768	-
Experimental study on Finding stable catalytic methane decomposition for hydrogen production	Chein, R.-Y. Ou, C.-C.	2024	2024-01-01	International Journal of Hydrogen Energy	-	-	-	-
PaWOX3 and PaWOX3B Regulate Flower Number and the Lip Symmetry of Phalaenopsis	Hsing-Fun, H. Ya-Chun, L. Yi-Hsuan, S. Chang-Hsien, Y.	2024	2024-08-01	Plant and Cell Physiology	65	8	1328-1343	-
Polygenic risk score-based prediction of breast cancer risk in Taiwanese women with dense breast using a retrospective cohort study	Hung, C.-C. Moi, S.-H. Huang, H.-I. Hsiao, T.-H. Huang, C.-C.	2024	2024-12-01	Scientific Reports	14	1	-	6324
Using ensemble learning and hierarchical strategy to predict the outcomes of ESWL for upper ureteral stone treatment	Chen, C.-W. Liu, W.-Y. Huang, L.-Y. Chu, Y.-W.	2024	2024-09-01	Computers in Biology and Medicine	179	-	-	108904