

2022 年研究中心與國際學術機構進行可持續發展目標合作研究方案

研究中心	明志教師/國際學者	國家/研究單位	主題/研究內容
中草藥萃取與純化研究中心	蘇家弘/ Hoang Chinh Nguyen	越南/孫德勝大學	天然物活性物質萃取新技術的開發
有機電子研究中心	畢少強/ Prof. Bhola Nath Pal	印度/印度理工學院 (BHU)	高性能有機光偵測器開發與特性研究
智慧醫療產業研究中心	洪國永/黃啟賢/劉定宇/ 寒川誠二/ Andri Hardiansyah/ Rinky Sha	1. 日本/東北大學流體科學研究所 2. 印尼/國家研究及創新機構-物理研究中心 3. 印度/資訊科技研究所-電子系	石墨烯基底生物感測器之開發與應用
生化工程技術研發中心	黃錦鴻/ Yoke Wang Cheng	馬來西亞/瑪尼帕國際大學	VC 與 Mo 活化 VC 為有效光催水分解助催化劑之探討
	劉昭麟/ Prof. Nguyen Minh Ly	越南/峴港科學教育大學-生物與環境學院生物技術學系	重組 Beta2-微球蛋白之表現
綠色能源電池研究中心	楊純誠/ Prof. Rajan Jose	馬來西亞/彭亨大學	基於鋰離子電容器的儲能系統的開發
電漿與薄膜科技中心	黃裕清/林唯芳/ Prof. An-Jey Su	美國/科羅拉多大學安舒茨醫學院	用於生物醫學應用的新型多肽共聚物靜電紡絲支架
	賴怡廷/ Prof. Po-Chun Hsu	美國/杜克大學機械工程與材料科學系	利用氧化石墨烯/乙二醇四乙酸海綿發展交流電吸附於廢水中移除重金屬離子
環境永續與人類健康研究中心	陳慶隆/崔秀薰	韓國/忠南大學環境工程系	電解技術去除水中常見汙染物之研究
管理暨設計學院	謝國榮/Dsphne Flynn	澳洲/莫納許大學	向頂尖學習-提升工業設計國際設計與研究交流能量
	許定洋/顏慶全	新加坡/國立新加坡大學	互動式牙醫麻醉教具設計研究

2022年國際合作期刊論文數據

年份	作者	標題	來源出版物名稱	卷	期	來源出版物	Sustainable Development Goals (2023)	國家
2022	Martel, J.I. Chang, S.-H. Ko, Y.-F. Hwang, T.-L. J.	Gut barrier disruption and chronic disease	Trends in Endocrinology and Metabolism	33	4	Scopus	-	Taiwan United States
2022	Hoang, A.T.J Varbanov, P.S.J Nižetić, S.J Sirohi, B.	Perspective review on Municipal Solid Waste-to-energy	Journal of Cleaner Production	359	-	Scopus	SDG 7 SDG 8 SDG 9 SDG 11 SDG 12	Taiwan India South Korea Croatia Spain Russian Federation Czech Republic Viet Nam
2022	Hoang, A.T.J Nižetić, S.J Ng, K.H.J Papadopoulos	Microbial fuel cells for bioelectricity production from	Chemosphere	287	-	Scopus	SDG 7 SDG 9 SDG 12	Taiwan Indonesia India Croatia Greece Viet Nam
2022	Hoang, A.T.J Pandey, A.J Huang, Z.J Luque, R.J N	Catalyst-Based Synthesis of 2,5-Dimethylfuran from C	ACS Sustainable Chemistry and Engineering	10	10	Scopus	SDG 7	Taiwan Indonesia India China Spain Greece Russian Federation Viet Nam
2022	Rajaji, U.J Ganes, P.-S.J Kim, S.-Y.J Govindasam	MoS2Sphere/2D S-Ti3C2MXene Nanocatalysts on Las	ACS Applied Nano Materials	5	3	Scopus	-	Taiwan South Korea Saudi Arabia
2022	Mei, B.J Barnoon, P.J Toghraie, D.J Su, C.-H.J Ng	Energy, exergy, environmental and economic analyses	Renewable and Sustainable Energy Review	157	-	Scopus	SDG 7 SDG 8	Taiwan China Russian Federation Iran Viet Nam
2022	Li, X.-Y.J Lin, W.J Liu, X.J Lin, C.-K.J Pai, K.-J.J	Completely Independent Spanning Trees on BCCC Dat	IEEE Transactions on Parallel and Distrib	33	8	Scopus	-	Taiwan China
2022	Chen, Y.-S.J Ooi, C.-W.J Show, P.L.J Hoe, B.C.J C	Removal of Ionic Dyes by Nanofiber Membrane Functi	Membranes	12	1	Scopus	SDG 6	Taiwan Malaysia
2022	Chatterjee, P.J Ambati, M.S.K.J Chakraborty, A.K	Photovoltaic/photo-electrocatalysis integration for gree	Energy Conversion and Management	261	-	Scopus	SDG 7	Taiwan India Singapore
2022	Yin, G.J Jameel Ibrahim Alazzawi, F.J Bokov, D.J	Multiple machine learning models for prediction of CO	Arabian Journal of Chemistry	15	3	Scopus	SDG 13	Taiwan Iraq China Egypt Saudi Arabia Malaysia Russian Federation Viet Nam
2022	Rostamian, M.J Hosseini, H.J Fakhri, V.J Talouki,	Introducing a bio sorbent for removal of methylene blu	Chemosphere	289	-	Scopus	SDG 6 SDG 9	Taiwan Iran
2022	Du, X.J Dehghani, M.J Alsaadi, N.J Nejad, M.G.J S	A femoral shape porous scaffold bio-nanocomposite fa	Materials Chemistry and Physics	275	-	Scopus	-	Taiwan China Saudi Arabia Turkey Iran Viet Nam
2022	Yin, G.J Jameel Ibrahim Alazzawi, F.J Mironov, S	Machine learning method for simulation of adsorption	Arabian Journal of Chemistry	15	3	Scopus	-	Taiwan Iraq China Egypt Saudi Arabia Malaysia Russian Federation Viet Nam
2022	Ng, K.H.J Lai, S.Y.J Jamaludin, N.F.M.J Mohamed	A review on dry-based and wet-based catalytic sulphur	Journal of Hazardous Materials	423	-	Scopus	-	Taiwan China Malaysia
2022	Su, G.J Ong, H.C.J Fattah, L.M.R.J Ok, Y.S.J Jang,	State-of-the-art of the pyrolysis and co-pyrolysis of foo	Science of the Total Environment	809	-	Scopus	SDG 3 SDG 7 SDG 12	Taiwan South Korea Australia Malaysia
2022	Witoon, T.J Numpilai, T.J Nijpanich, S.J Chanlek,	Enhanced CO2 hydrogenation to higher alcohols over b	Chemical Engineering Journal	431	-	Scopus	SDG 9 SDG 13	Taiwan United Arab Emirates Thailand Viet Nam
2022	Lei, Y.J Ng, K.H.J Zhang, Y.J Li, Z.J Xu, S.J Huan	One-pot loading of cadmium sulfide onto tungsten carb	Chemical Engineering Journal	434	-	Scopus	SDG 7	Taiwan China
2022	Chinnapaivan, S.J Rajaji, U.J Chen, S.-M.J Liu, T.	Fabrication of thulium metal – organic frameworks bas	Electrochimica Acta	401	-	Scopus	SDG 3	Taiwan Saudi Arabia
2022	Soltani, A.J Khan, A.J Mirzaei, H.J Onag, M.J Java	Improvement of anti-inflammatory and anticancer activ	Arabian Journal of Chemistry	15	1	Scopus	SDG 3	Taiwan Ireland Malaysia Russian Federation Iran
2022	Chinh Nguyen, H.J Alamray, F.J Kamal, M.J Dian	Computational prediction of drug solubility in supercrit	Journal of Molecular Liquids	354	-	Scopus	-	Taiwan Kazakhstan Egypt Saudi Arabia Russian Federation Viet Nam
2022	Liu, Z.-H.J Huang, Y.-C.J Kuo, C.-Y.J Chuang, C.	Co-Delivery of Docosahexaenoic Acid and Brain-Deriv	Pharmaceutics	14	2	Scopus	-	Taiwan United Kingdom
2022	Rajaji, U.J Govindasamy, M.J Sha, R.J Alshegri, R	Surface engineering of 3D spinel Zn3V2O8 wrapped o	Composites Part B: Engineering	242	-	Scopus	-	Taiwan India South Korea Saudi Arabia
2022	Alagumalai, K.J Shanmugam, R.J Chen, S.-M.J Th	Impact of gadolinium oxide with functionalized carbon	Talanta	238	-	Scopus	-	Taiwan South Korea Saudi Arabia
2022	Hsiao, Y.-S.J Chang-Jian, C.-W.J Chu Weng, H.J	Doping with W6+ ions enhances the performance of Ti	Applied Surface Science	573	-	Scopus	SDG 7	Taiwan Australia
2022	Anuratha, K.S.J Su, Y.-Z.J Huang, M.-K.J Hsieh,	High-performance hybrid supercapacitors based on elec	Journal of Alloys and Compounds	897	-	Scopus	-	Taiwan China
2022	Sha, R.J Maity, P.C.J Rajaji, U.J Liu, T.-Y.J Bhatta	Review - MoSe2 Nanostructures and Related Electrodes	Journal of the Electrochemical Society	169	1	Scopus	-	Taiwan India
2022	Chong, C.C.J Cheng, Y.W.J Ng, K.H.J Vo, D.-V.N	Bio-hydrogen production from steam reforming of liqu	Fuel	311	-	Scopus	SDG 7	Taiwan Malaysia Viet Nam
2022	Murugan, P.J Annamalai, J.J Atchudan, R.J Govin	Electrochemical Sensing of Glucose Using Glucose Ox	Micromachines	13	2	Scopus	-	Taiwan India South Korea Russian Federation
2022	Dong, Z.J Yu, X.J Chang, C.-T.J Zhou, D.J Sang, X.	How does feed-in tariff and renewable portfolio standar	Renewable Energy	186	-	Scopus	SDG 7 SDG 13	Taiwan China
2022	Nasution, M.K.M.J Syah, R.J Ramdan, D.J Afshari	Modeling and computational simulation for supersonic	Arabian Journal of Chemistry	15	1	Scopus	-	Indonesia Taiwan Egypt Saudi Arabia Malaysia Russian Federation Iran
2022	Zeng, K.J Hachem, K.J Kuznetsova, M.J Chuprad	Molecular dynamic simulation and artificial intelligenc	Journal of Molecular Liquids	347	-	Scopus	-	Taiwan Algeria China Egypt Saudi Arabia Thailand Russian Federation Viet Nam
2022	Wu, Y.-F.J Hsiao, Y.-C.J Liao, C.-H.J Hsu, C.-S.J	Molten design of Sulfur-doped nickel cobalt layered dou	Journal of Colloid and Interface Science	628	-	Scopus	-	Taiwan United States Burkina Faso
2022	Roitzheim, C.J Sohn, Y.J.J Kuo, L.-Y.J Häuschen,	All-Solid-State Li Batteries with NCM-Garnet-Based C	ACS Applied Energy Materials	5	6	Scopus	-	Taiwan Germany
2022	Sang, X.J Yu, X.J Chang, C.-T.J Liu, X.	Electric bus charging station site selection based on the	Computers and Industrial Engineering	168	-	Scopus	SDG 7 SDG 11 SDG 13	Taiwan China
2022	Yu, X.J Ge, S.J Zhou, D.J Wang, Q.J Chang, C.-T.J	Whether feed-in tariff can be effectively replaced or no	Energy	245	-	Scopus	SDG 7 SDG 8 SDG 10 SDG 13	Taiwan China
2022	Peng, G.-Z.J Hardiansyah, A.J Lin, H.-T.J Lee, R.-	Photocatalytic degradation and reusable SFERS detecti	Surface and Coatings Technology	435	-	Scopus	SDG 6	Indonesia Taiwan
2022	Sadeghi, A.J Su, C.-H.J Khan, A.J Lutfi Rahman,	Machine learning simulation of pharmaceutical solubili	Arabian Journal of Chemistry	15	1	Scopus	-	Taiwan Ireland Malaysia Russian Federation Iran
2022	Tseng, F.-C.J Huang, T.-L.J Pham, T.T.L.J Cheng,	How does media richness foster online gamer loyalty?	International Journal of Information Man	62	-	Scopus	-	Taiwan Hong Kong Viet Nam
2022	Imanuelia, N.J Witoon, T.J Cheng, Y.W.J Chong,	Interfacial-engineered CoTiO3-based composite for ph	Environmental Chemistry Letters	-	-	Scopus	-	Taiwan Indonesia China Thailand Malaysia Viet Nam
2022	El-Din, M.I.G.J Fahmy, N.M.J Wu, F.J Salem, M.A	Comparative LC – LTQ – MS – MS Analysis of the Le	Plants	11	13	Scopus	SDG 3	Taiwan China Egypt Sweden
2022	Jeyakumar, J.J Wu, Y.-S.J Wu, S.-H.J Jose, R.J Ya	Surface-Modified Quaternary Layered Ni-Rich Cathode	ACS Applied Energy Materials	5	4	Scopus	SDG 7	Taiwan Malaysia
2022	Hosseini, H.J Pirahmadi, P.J Shakeri, S.E.J Khosh	A novel environmentally friendly nanocomposite aere	International Journal of Biological Macro	201	-	Scopus	SDG 6	Taiwan United States Iran
2022	Abdelbasset, W.K.J Elkhali, S.M.J Jade Catalan O	Development of multiple machine-learning computatio	Arabian Journal of Chemistry	15	6	Scopus	SDG 7	Taiwan United Arab Emirates Kazakhstan Egypt Saudi Arabia Australia Russian Federation
2022	Govindasamy, M.J Wang, S.-F.J Huang, C.-H.J Ah	Colloidal synthesis of perovskite-type lanthanum alumi	Microchimica Acta	189	5	Scopus	-	Taiwan South Korea Saudi Arabia
2022	Hanmandu, C.J Sahoo, M.J Liu, C.-C.J Chen, H.-A	Few-layer fluorine-functionalized graphene hole-select	Chemical Engineering Journal	430	-	Scopus	SDG 7	Taiwan China
2022	Ling, J.J Kunwar, R.J Li, L.J Peng, S.J Misnon, I.J	Self-rechargeable energizers for sustainability	eScience	2	4	Scopus	-	Taiwan China Malaysia
2022	Liu, C.J Chen, H.J Zhou, F.J Long, Q.J Wu, K.J Lo	Positive intervention effect of mobile health applicatio	BMC Women's Health	22	1	Scopus	-	Taiwan China
2022	Le, T.-V.J Lu, C.-F.J Hsu, C.-L.J Do, T.K.J Chou,	A Novel Three-Factor Authentication Protocol for Mul	IEEE Access	10	-	Scopus	-	Taiwan Viet Nam
2022	Venkatesh, K.J Muthukutti, B.J Chen, S.-M.J Kar	Spinel CoMn2O4 nano-/micro-spheres embedded RGO	Journal of Industrial and Engineering Che	106	-	Scopus	-	Taiwan India Saudi Arabia
2022	Liu, B.J Chang, Y.-F.J Li, J.J Liu, X.J Wang, L.A.J	Bi2O2Se-Based True Random Number Generator for S	ACS Nano	16	4	Scopus	-	Taiwan China Hong Kong United States
2022	Wang, T.J Su, C.-H.	Medium Gaussian SVM, Wide Neural Network and ste	Journal of Molecular Liquids	349	-	Scopus	-	Taiwan China
2022	Tseng, R.-L.J Tran, H.N.J Juang, R.-S.	Revisiting temperature effect on the kinetics of H2O	Journal of the Taiwan Institute of Chemi	136	-	Scopus	-	Taiwan Viet Nam
2022	Shanmugam Anuratha, K.J Su, Y.-Z.J Wang, P.-J	Free-standing 3D core-shell architecture of Ni3S2@Ni	Journal of Colloid and Interface Science	625	-	Scopus	-	Taiwan China Thailand
2022	Jafari, A.J Fakhri, V.J Kamrani, S.J Reza Ghaffari	Developem of Flexible Nanocomposites Based on Poly	European Polymer Journal	164	-	Scopus	-	Taiwan Germany Iran
2022	Malla, P.J Liao, H.-P.J Liu, C.-H.J Wu, W.-C.J Sre	Voltammetric biosensor for coronavirus spike protein u	Microchimica Acta	189	4	Scopus	-	Taiwan Thailand
2022	Singh, S.V.J Gupta, U.J Biring, S.J Mukherjee, B.J	In-situ grown nanoscale p-n heterostructure of Cu2S-TiO	Surfaces and Interfaces	28	-	Scopus	SDG 7	Taiwan India
2022	Wang, Y.J Wang, Z.J Zheng, F.J Sun, J.J Oh, J.A.S	Ferroelectric Engineered Electrode-Composite Polymer	Advanced Science	9	13	Scopus	SDG 7	Taiwan China Singapore
2022	Neuyen, M.-L.J Nakhiri, A.T.J Kamal, M.J Mohar	State-of-the-Art Review on the Application of Membr	Membranes	12	4	Scopus	SDG 3 SDG 6 SDG 9	Taiwan Egypt Saudi Arabia Russian Federation Iran
2022	Abbas, N.J Shaheen, I.J Ali, I.J Ahmad, M.J Khan,	Effect of growth duration of Zn0.76Co0.24S interconn	Ceramics International	48	23	Scopus	-	Taiwan South Korea Hong Kong Saudi Arabia United States Turkey
2022	Hsu, C.-Y.J Vo, T.T.T.J Lee, C.-W.J Chen, Y.-L.J	Carbon monoxide releasing molecule-2 attenuates ang	Biochemical Pharmacology	198	-	Scopus	SDG 3	Taiwan South Korea
2022	Velusamy, P.J Su, C.-H.J Ramasamy, P.J Arun, V.J	Volatile Organic Compounds as Potential Biomarkers f	Critical Reviews in Analytical Chemistry	-	-	Scopus	-	Taiwan India Malaysia
2022	Wu, Y.-F.J Kuo, T.-R.J Lin, L.-Y.J Kubendhiran,	Investigating energy storage ability of MIL101-(Fe) de	Journal of Energy Storage	55	-	Scopus	-	Taiwan Burkina Faso
2022	Ye, J.-H.J Wu, Y.-T.J Wu, Y.-F.J Chen, M.-Y.J Ye	Effects of Short Video Addiction on the Motivation an	Frontiers in Public Health	10	-	Scopus	SDG 4	Taiwan China

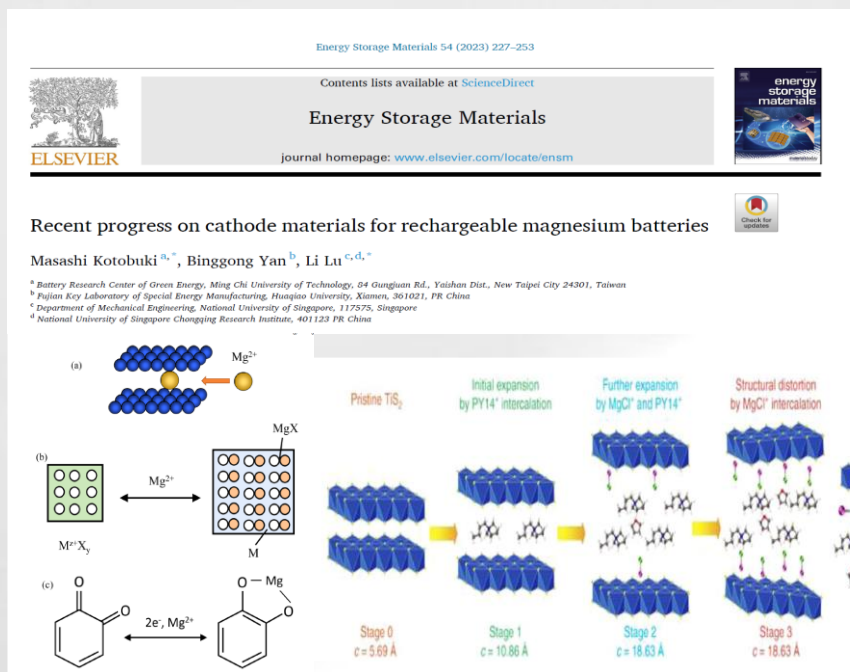
2022	Wang, Q.J Zhang, P.J Javed Ansari, M.I Aldawsari	Electrostatic interaction assisted Ca-decorated C20 full	Journal of Molecular Liquids	350	-	Scopus	SDG 3	Taiwanl India China Saudi Arabia Malaysia Iran Viet Nam
2022	Tianhao, Zi Sh. Majidi, H.J Dmitry Olegovich, B.J	Prediction of busulfan solubility in supercritical CO2 u	Journal of Molecular Liquids	351	-	Scopus	-	Taiwanl India Iraql China Egyptl Saudi Arabia Russian Federationl Viet Nam
2022	Liu, C.J Chen, H.J Liang, Y.-C.J Hsu, S.-E.I Huang	The effect of loving-kindness meditation on employees	BMC Psychology	10	1	Scopus	-	Taiwanl China
2022	Li, M.-C.J Dai, M.-J.J Lin, S.-S.J Chen, S.-C.J Xu,	Effect of annealing temperature on the optoelectronic p	Ceramics International	48	2	Scopus	SDG 7	Taiwanl China
2022	Hsu, S.-C.J Hsiao, Y.-S.J Lu, C.-Z.J Chiang, H.-H.J	The effect of dual-doping on the electrochemical perfor	Ceramics International	48	10	Scopus	SDG 7	Taiwanl France
2022	Hsiao, Y.-S.J Chang-Jian, C.-W.J Huang, T.-Y.J C	High-performance supercapacitor based on a ternary na	Journal of the Taiwan Institute of Chemi	134	-	Scopus	-	Taiwanl France
2022	Shih, J.-Y.J Lin, G.-Y.J Li, Y.-J.J Hung, T.-F.J Jo	Operando investigation on the fast two-phase transition	Electrochimica Acta	419	-	Scopus	SDG 7	Taiwanl Malaysia
2022	Liu, C.J Chen, H.J Zhou, F.J Chiang, C.-H.J Chen,	Effects of animated pedagogical agent-guided loving-k	Frontiers in Psychology	13	-	Scopus	-	Taiwanl China
2022	Cheng, T.-M.J Huang, H.-W.J Chen, T.-Y.J Yough	Facile synthesis of metal organic framework-derived co	Journal of Energy Storage	56	-	Scopus	SDG 7	Taiwanl Burkina Faso
2022	Chen, C.-L.J Shih, Y.-J.J Su, J.F.J Chen, K.-L.J Hu	Mesoporous zirconium pyrophosphate for the adsorptio	Chemical Engineering Journal	427	-	Scopus	-	Taiwanl United States
2022	Jafari, A.I Mirzaei, H.J Shafiei, M.A.J Fakhri, V.J	Conductive poly(ε-caprolactone)/polylactic acid scaff	Polymers for Advanced Technologies	33	5	Scopus	-	Taiwanl Germanyl Iran
2022	Huang, T.-L.J Teng, C.-I.J Tai, S.-I.J Chen, H.J De	Power structure builds gamer loyalty	Decision Support Systems	154	-	Scopus	-	Taiwanl United States
2022	Chen, H.J Liu, C.J Zhou, F.J Chiang, C.-H.J Chen,	The Effect of Animation-Guided Mindfulness Meditati	Frontiers in Psychology	13	-	Scopus	SDG 9	Taiwanl China
2022	Seit, A.J Rana, T.J Rajaji, U.J Sha, R.J Liu, T.-Y.J	Emergence of two-dimensional nanomaterials-based br	Sensors and Actuators A: Physical	338	-	Scopus	-	Taiwanl India
2022	Zhu, L.J Opulencia, M.J.C.J Bokov, D.O.J Krasnyl	Synthesis of Ag-coated on a wrinkled SiO2@TiO2 arc	Alexandria Engineering Journal	61	12	Scopus	SDG 6	Taiwanl United Arab Emiratesl China Egyptl Saudi Arabia Russian Federationl Iranl Viet Nam
2022	T.G., D.J Chen, C.-H.J Kuo, C.-Y.J Shalomon, K.J	Development of high resilience spiral wound sutu-en	International Journal of Biological Macro	221	-	Scopus	-	Taiwanl India
2022	Sakallev, S.J Saravanan, A.J Cheng, W.-C.J Chen,	High power impulse magnetron sputtering growth proc	Journal of Alloys and Compounds	896	-	Scopus	SDG 7	Taiwanl China
2022	Nallabala, N.K.R.J Reddy, V.R.M.J Singh, V.R.J R	Enhanced photoresponse performance in GaN based sy	Sensors and Actuators A: Physical	339	-	Scopus	-	Taiwanl India South Korea China Slovenia
2022	Abdelal, M.M.J Hung, T.-C.J Mohamed, S.G.J Ya	Two Birds with One Stone: Hydrogel-Derived Hierarch	ACS Sustainable Chemistry and Enginee	10	14	Scopus	SDG 7	Taiwanl Egypt
2022	Yu, Y.F.J Aloina, G.J Susanto, H.J Effendi, M.K.J	Regional Location Routing Problem for Waste Collecti	Mathematics	10	12	Scopus	SDG 11 SDG 12	Taiwanl Indonesia
2022	Huang, W.-H.J Wu, R.-M.J Chang, J.-S.J Juang, S.J	Pristine and manganese ferrite modified biochars for co	Bioresourc Technology	360	-	Scopus	-	Taiwanl Hong Kong
2022	Zheng, X.-X.J Chang, C.-T.J Li, D.-F.J Liu, Z.J Le	Designing an incentive scheme for producer responsibi	Computers and Industrial Engineering	167	-	Scopus	SDG 7 SDG 9	Taiwanl China United States
2022	Kamal Abdelbaset, W.I Alrawaili, S.M.J Elsayed	Optimization of heterogeneous Catalyst-assisted fatty a	Arabian Journal of Chemistry	15	7	Scopus	SDG 7 SDG 13	Taiwanl Kazakhstanl Egyptl Saudi Arabia Australial Russian Federation
2022	Beshahvured, S.L.J Mengesha, T.H.J Babulal, L.M.	Hierarchical Interconnected Hybrid Solid Electrolyte M	ACS Applied Energy Materials	5	2	Scopus	SDG 7	Taiwanl Malaysia
2022	Chen, C.-S.J Lin, Z.-Q.J Montecillo, R.J Liao, J.-Y	Improved energy storage in antiferroelectric AgNbO3-	Ceramics International	48	23	Scopus	-	Taiwanl Philippines
2022	Cao, Y.J Noori, M.J Nazari, M.J Ng Kay Lup, A.J	Molecular docking evaluation of celecoxib on the boron	Arabian Journal of Chemistry	15	1	Scopus	SDG 3	Taiwanl China Irelandl Australial Malaysia Kuwaitl Iran
2022	Walle, K.Z.J Wu, Y.-S.J Wu, S.-H.J Chang, J.-K.J	Lithium Nafion-Modified Li6.05Ga0.25Li3a3zr2011.8F	ACS Applied Materials and Interfaces	14	13	Scopus	SDG 7	Taiwanl Malaysia
2022	Hsu, C.-H.J Gupta, A.K.J Purwidyantri, A.J Prabov	Sensing Alzheimer’s Disease Utilizing Au Electrode	Chemosensors	10	3	Scopus	-	Indonesial Taiwanl Portugal
2022	Fatehi, N.J Shahhoseini, H.S.J Wei, J.J Chang, C.-	An automata algorithm for generating trusted graphs in	Applied Soft Computing	118	-	Scopus	-	Taiwanl United Statesl Iran
2022	Sun, N.J Javed Ansari, M.J Ng Kay Lup, A.J Javan	Molecular docking and density functional theory simul	Arabian Journal of Chemistry	15	2	Scopus	SDG 3	Taiwanl China Irelandl Saudi Arabia Malaysia Iranl Viet Nam
2022	Tirgar, M.J Hosseini, H.J Jafari, M.J Shojaei, S.J A	Introducing a flexible drug delivery system based on po	Journal of Biomaterials Science, Polymer	33	4	Scopus	-	Taiwanl Turkeyl Iran
2022	Wu, Y.-F.J Hsiao, Y.-C.J Ou, Y.-J.J Kubendhiran,	Synthesis of cigarette filter-derived activated carbon us	Journal of Energy Storage	54	-	Scopus	-	Taiwanl United Statesl Burkina Faso
2022	Ling, J.J Karuppiiah, C.J Das, S.J Singh, V.K.J Mist	Quasi-anisotropic benefits in electrospun nickel-cobalt	New Journal of Chemistry	46	20	Scopus	SDG 7	Taiwanl India China Malaysia
2022	Rajati, U.J Raehu, M.S.J Yooesh Kumar, K.J Al-K	Electrocatalytic oxidation and amperometric determina	Microchimica Acta	189	11	Scopus	-	Taiwanl India South Korea Saudi Arabia
2022	Cai, D.-L.J Thanh, D.T.H.J Show, P.-L.J How, S.-S	Studies of Protein Wastes Adsorption by Chitosan-Mo	Membranes	12	8	Scopus	SDG 6	Taiwanl China Malaysia
2022	Chen, H.J Liu, C.J Zhou, F.J Cao, X.-Y.J Wu, K.J	Focused-Attention Meditation Improves Flow, Commu	International Journal of Environmental R	19	9	Scopus	-	Taiwanl China
2022	Hashemzahi, M.J Piroouzar, V.J Navebzadeh, H.J	Modelling and optimization of main independent param	Journal of Chemical Technology and Bio	97	1	Scopus	SDG 7	Taiwanl Iran
2022	Yang, M.-C.J Hardiansyah, A.J Cheng, Y.-W.J Lia	Reduced graphene oxide nanosheets decorated with con	Spectrochimica Acta - Part A: Molecular	281	-	Scopus	-	Indonesial Taiwan
2022	Palani, R.J Wu, Y.-S.J Wu, S.-H.J Jose, R.J Yang,	Metal-organic framework-derived ZrO2/NiCo2O4/grap	Electrochimica Acta	412	-	Scopus	SDG 7	Taiwanl Malaysia
2022	Wu, C.-H.J Wu, Y.-F.J Lee, P.-Y.J Yougbare, S.J	Ligand Incorporating Sequence-dependent ZIF67 Deriv	ACS Applied Materials and Interfaces	14	38	Scopus	-	Taiwanl Burkina Faso
2022	Kuo, T.-R.J Yen, S.-C.J Kubendhiran, S.J Yougbar	Tailoring morphology of pure terephthalic acid induce	Journal of Energy Storage	56	-	Scopus	-	Taiwanl Burkina Faso
2022	Hsiao, Y.-C.J Yu, H.-Y.J Lee, P.-Y.J Yougbare, S.J	Facile synthesis of ammonium-decorated cobalt molyb	Journal of Energy Storage	56	-	Scopus	SDG 7	Taiwanl United Statesl Burkina Faso
2022	Wu, Y.-S.J Pham, Q.-T.J Yang, C.-C.J Chern, C.-S	Coating of a Novel Lithium-Containing Hybrid Oligom	ACS Sustainable Chemistry and Enginee	10	22	Scopus	SDG 7	Taiwanl Germany
2022	Lee, P.-H.J Wu, T.-T.J Li, C.-F.J Glowienka, D.J H	Featuring Semitransparent p-i-n Perovskite Solar Ce	Solar RRL	6	4	Scopus	SDG 7	Taiwanl Poland
2022	Parsaei, M.J Roudbari, E.J Piri, F.J El-Shafay, A.S	Neural-based modeling adsorption capacity of metal or	Scientific Reports	12	1	Scopus	SDG 6	Taiwanl Saudi Arabia Iranl Viet Nam
2022	Chen, T.-C.J Ibrahim Alazzawi, F.J.J Grimaldo Gu	Development of Machine Learning Methods in Hybrid	Mathematical Problems in Engineering	2022	-	Scopus	SDG 7	Indonesial Taiwanl Iraql China Colombia Thailandl Russian Federationl Yemen
2022	Nong, L.J Wu, Y.-F.J Ye, J.-H.J Liao, C.J Wei, C.	The effect of leisure engagement on preschool teachers	Frontiers in Psychology	13	-	Scopus	SDG 12	Taiwanl China
2022	Chinnappaiyan, S.J Tanaya Das, H.J Govindasamy,	Heterogeneous Bimetallic (La-Fe) Metal-Organic-Fram	Journal of the Electrochemical Society	169	10	Scopus	-	Taiwanl India South Korea Saudi Arabia
2022	Liu, L.J Ni, Y.J Mao, J.J Li, S.J Ng, K.H.J Chen, Z.J	Flexible and Highly Conductive Textiles Induced by C	ACS Applied Materials and Interfaces	14	33	Scopus	-	Taiwanl China Singapore
2022	Hsiao, Y.-S.J Tran, H.N.J Ke, J.-W.J Fu, C.-C.J Syl	Porous cellulose acetate mixed-matrix membrane adsor	Journal of the Taiwan Institute of Chemi	133	-	Scopus	-	Taiwanl Viet Nam
2022	Karimi Abiyazani, N.J Piroouzar, V.J Su, C.-H.	Enhancing engine power and torque and reducing exha	Energy	241	-	Scopus	SDG 13	Taiwanl Iran
2022	Tran, M.L.J Chen, Y.-S.J Juang, R.-S.	Fouling Analysis in One-Stage Ultrafiltration of Precip	Membranes	12	11	Scopus	-	Taiwanl Viet Nam
2022	Wu, Y.-F.J Pai, H.J Kubendhiran, S.J Yougbare, S	Size effects of zeolitic imidazolate framework 67 polyh	International Journal of Hydrogen Energy	47	97	Scopus	SDG 7	Taiwanl Burkina Faso
2022	Huang, H.-C.J Chang, W.-T.J Wu, Y.-H.J Yang, B.	Phytochemicals levels and biological activities in Hibis	Industrial Crops and Products	176	-	Scopus	-	Taiwanl China
2022	Mana-ay, H.J Chen, C.-S.J Wang, X.-H.J Tu, C.-S.	Polarization-sensitive UVA photodetector based on het	Ceramics International	48	15	Scopus	SDG 7	Taiwanl Philippines
2022	Xiao, C.-Y.J Chen, T.-Y.J Chung, R.-J.J Yougbare,	Binder-free synthesis of metal organic framework deriv	Journal of Energy Storage	55	-	Scopus	-	Taiwanl Burkina Faso
2022	Chen, K.J Ng, K.H.J Cheng, C.K.J Cheng, Y.W.J C	Biomass-derived carbon-based and silica-based materi	Chemosphere	187	-	Scopus	-	Taiwanl United Arab Emiratesl Australial Thailandl Malaysia Viet Nam
2022	Wu, Z.-H.J Shih, J.-Y.J Li, Y.-J.J Tsai, Y.-D.J Hu	MoO3 Nanoparticle Coatings on High-Voltage 5 V LiN	Nanomaterials	12	3	Scopus	SDG 7	Taiwanl Malaysia
2022	Wang, J.-P.J Mana-ay, H.J Chen, C.-S.J Haw, S.-C	Enhanced UV photosensing properties by field-induced	Journal of Alloys and Compounds	902	-	Scopus	SDG 7	Taiwanl Philippines
2022	Wu, Y.-F.J Liu, D.J Sung, Y.-S.J Yougbare, S.J Lin	Effects of carbonization temperature on fabricating car	Journal of Solid State Chemistry	314	-	Scopus	-	Taiwanl China Burkina Faso
2022	Venkatesh, K.J Raikumaran, R.J Chen, S.-M.J Kal	SrMnO3/Functionalized h-BN Composite Modified Dis	Catalysts	12	12	Scopus	SDG 3	Taiwanl India Polandl Saudi Arabia
2022	Pandey, U.J Chourasia, N.K.J Pal, N.J Biring, S.J P	Functional Dielectric Properties of Solution-Processed	IEEE Transactions on Electron Devices	69	3	Scopus	-	Taiwanl India
2022	Velusamy, P.J Su, C.-H.J Kannan, K.J Kumar, G.V	Surface engineered iron oxide nanoparticles as efficient	Biotechnology and Applied Biochemistry	69	2	Scopus	-	Taiwanl India South Korea Malaysia
2022	Chi, H.Y.J Chi, H.Y.J Chang, N.Y.J Li, C.J Li, C.J	Fabrication of Gelatin Nanofibers by Electrospinning	Polymers	14	13	Scopus	-	Taiwanl United Arab Emirates
2022	Mayet, A.M.J Chen, T.-C.J Ahmad, I.J Tag Eldin,	Application of Neural Network and Dual-Energy Radi	Mathematics	10	19	Scopus	-	Taiwanl China Egyptl Saudi Arabia Colombia Thailandl Russian Federation

2022	Koishi, M.I Kotobuki, M.	Preparation of Y-doped Li7La3Zr2O12 by co-precipita	Ionics	28	5	Scopus	SDG 7	Taiwanl Japan
2022	Lou, B.-S.I Chen, W.-T.I Diyatmika, W.I Lu, J.-H.	High power impulse magnetron sputtering (HiPIMS) fo	Current Opinion in Chemical Engineering	36	-	Scopus	-	Taiwanl Germany
2022	Mayet, A.M.I Chen, T.-C.I Alizadeh, S.M.I Al-Qai	Optimizing the Gamma Ray-Based Detection System to	Processes	10	9	Scopus	-	Taiwanl Egyptl Saudi Arabial Germanyl Thailandl Kuwait
2022	Lai, K.-H.I Chen, Y.-L.I Lin, M.-F.I El-Shazly, M.	Lonicerac Japonicae Flos Attenuates Neutrophilic Infla	Antioxidants	11	9	Scopus	SDG 3	Taiwanl Egypt
2022	Tsai, T.-M.I Liu, H.-F.I Buterin, S.I Chen, L.-H.I S	Sturm - Liouville-type operators with frozen argument	Mathematical Methods in the Applied Sci	45	16	Scopus	-	Taiwanl Russian Federation
2022	Mahmudiono, T.I Saleh, R.O.I Widjaja, G.I Chen,	A review on material analysis of food safety based on f	Food Science and Technology (Brazil)	42	-	Scopus	-	Taiwanl Indonesial Indial Iraql Pakistanl Thailand
2022	Teng, C.-I Shiao, W.-L.I Cheng, T.C.E.I Huang,	Drawing goals nearer: Using the goal-gradient perspect	International Journal of Information Man	66	-	Scopus	-	Taiwanl Chinal Hong Kong
2022	Huang, H.-W.I Hsiao, Y.-C.I Chen, T.-Y.I Yougba	In-situ carbonization of zeolitic imidazolate framework	Journal of Energy Storage	56	-	Scopus	SDG 7	Taiwanl United Statesl Burkina Faso
2022	Venkatesh, K.I Karuppiah, C.I Palani, R.I Periyasa	2D/2D nanostructures based on NiCo2O4/graphene cor	Materials Letters	323	-	Scopus	-	Taiwanl India
2022	Li, Z.I Ng, K.H.I Xu, S.I Zhang, Y.I Lei, Y.I Huan	Facile preparation of tremella-like TiO2/Cd:ZnIn2S4 pi	Chemosphere	307	-	Scopus	-	Taiwanl China
2022	Pham, T.T.L.I Huang, H.-C.I Tseng, F.-C.I Cheng,	For whom does flow not enhance online gamer loyalty	Industrial Management and Data Systems	122	1	Scopus	-	Taiwanl Chinal Viet Nam
2022	Chen, T.-C.I Majidi, H.S.I Ismael, A.M.I Pouresmi	Insights into the Estimation of the Enhanced Thermal C	International Journal of Chemical Engine	2022	-	Scopus	-	Taiwanl Iraql Iran
2022	Hsu, L.-F.I Venkatesh, K.I Karuppiah, C.I Ramara	Incorporation of ZIF-67 derived Co-N/C core-shell nan	Colloids and Surfaces A: Physicochemic	654	-	Scopus	-	Taiwanl India
2022	Tran, M.L.I Fu, C.-C.I Wu, M.-H.I Juang, R.-S.	Experimental verification on real-time fouling analysis	Journal of the Taiwan Institute of Chemi	133	-	Scopus	-	Taiwanl Viet Nam
2022	Wu, H.-Y.I Lin, H.-C.I Hung, G.-Y.I Tu, C.-S.I Li	High Sensitivity SERS Substrate of a Few Nanometers	Nanomaterials	12	16	Scopus	-	Taiwanl United Kingdom
2022	Yar, A.I Krishnan, S.G.I Dennis, J.O.I Yasin, A.I R	Metal oxide nanotubes via electrodeposition for battery	Synthetic Metals	284	-	Scopus	SDG 9	Taiwanl Pakistanl Malaysia
2022	Nawade, A.I Ramya, K.I Chakraborty, S.I Bamola	Copper based transparent solar heat rejecting film on g	Ceramics International	48	2	Scopus	SDG 7	Taiwanl Indial Singapore
2022	Ma, T.-L.I Yang, S.-C.I Cheng, T.I Chen, M.-Y.I V	Exploration of biomimetic poly(7'-benzyl-L-glutamate	Journal of Materials Chemistry B	10	33	Scopus	-	Taiwanl United States
2022	Mayet, A.M.I Chen, T.-C.I Alizadeh, S.M.I Al-Qai	Application of Artificial Intelligence for Determining t	Processes	10	10	Scopus	-	Taiwanl Saudi Arabial Germanyl Thailandl Kuwait
2022	Shih, Y.-J.I Chen, Z.-S.I Chen, C.-L.I Huang, Y.-H.	Enhancing arsenic (III) removal by integrated electroca	Applied Catalysis B: Environmental	317	-	Scopus	-	Taiwanl United States
2022	Ni, Y.I Shen, G.I Ng, K.H.I Zhu, T.I Li, S.I Li, X.I	Rational construction of superhydrophobic PDMS/PTV	Cellulose	29	8	Scopus	SDG 7l SDG 8l SDG 13	Taiwanl Chinal Singapore
2022	Sunil, V.I Yasin, A.I Pal, B.I Mison, L.I Karuppi	Tailoring the charge storability of commercial activate	Journal of Energy Storage	55	-	Scopus	-	Taiwanl Malaysial Czech Republic
2022	Soltani, R.I Nazari, M.I Marjani, A.I Faisal, M.I Pi	BiO-based 3D dendritic silica nanosphere: A green sup	Journal of Cleaner Production	335	-	Scopus	-	Taiwanl Indonesial Irelandl Saudi Arabial Australial Russian Federatiol Kuwaitl Iranl Viet Nam
2022	Chuo, Y.I Lin, W.-M.I Chen, T.-Y.I Chan, M.-L.I L	A High-Accuracy Detection System: Based on Transfer	Bioengineering	9	12	Scopus	-	Taiwanl Chinal Philippines
2022	Wang, X.I Ferreira, F.A.F.I Chang, C.-T.	Multi-objective competency-based approach to project	Socio-Economic Planning Sciences	81	-	Scopus	-	Taiwanl Chinal United Statesl Portugal
2022	Verma, D.I Liu, B.I Chen, T.-C.I Li, L.-J.I Lai, C.-	Bi2O2Se-based integrated multifunctional optoelectron	Nanoscale Advances	4	18	Scopus	-	Taiwanl Chinal Hong Kong
2022	Karuppiah, C.I Babulal, S.M.I Chen, T.-W.I Chen,	A novel ammonium zinc molybdate layered double hyc	Journal of Environmental Chemical Engi	10	5	Scopus	-	Taiwanl Indial United Kingdoml Saudi Arabia
2022	Verma, D.I Okhawilal, M.I Dalapati, G.K.I Ramak	Blockchain technology and AI-facilitated polymers rec	Polymer Composites	43	12	Scopus	SDG 9l SDG 11l SDG 12	Taiwanl Indial United Kingdoml Singaporel Australial Thailand
2022	Amirtha, R.M.I Hsu, H.-H.I Abdelal, M.M.I Anb	Constructing a Carbon-Encapsulated Carbon Composit	International Journal of Molecular Scienc	23	12	Scopus	SDG 7	Taiwanl Egypt
2022	Pati, A.I Parhi, M.I Pattanayak, B.K.I Singh, D.I S	Diagnose Diabetic Mellitus Illness Based on IoT Smart	Wireless Communications and Mobile Ci	2022	-	Scopus	SDG 3	Taiwanl Indial Singapore
2022	Chen, T.-C.I Hammid, A.T.I Akbarov, A.N.I Shar	Estimating the Physical Properties of Nanofluids Using	International Journal of Chemical Engine	2022	-	Scopus	-	Taiwanl Iraql Uzbekistanl Iran
2022	Liao, W.-L.I Hung, T.-F.I Abdelal, M.M.I Chao,	Highly efficient sodium-ion capacitor enabled by meso	Journal of Energy Storage	55	-	Scopus	SDG 7	Taiwanl Egypt
2022	Pal, N.I Thakurta, B.I Chakraborty, R.I Pandey, U.	Application of a microwave synthesized ultra-smooth a	Journal of Materials Chemistry C	-	-	Scopus	-	Taiwanl India
2022	Pirouzfard, V.I Sakhaeima, H.I Su, C.-H.	Power generation using produced biodiesel from palm	Fuel	314	-	Scopus	SDG 7l SDG 12l SDG 13	Taiwanl Iran
2022	Pal, N.I Pandey, U.I Biring, S.I Pal, B.N.	Solution processed low-voltage metal-oxide transistor	Journal of Materials Science: Materials in	33	12	Scopus	-	Taiwanl India
2022	Hong, X.I Lee, Y.-C.I Zhou, S.	Musculoskeletal symptoms and associated factors amon	International Archives of Occupational an	95	9	Scopus	-	Taiwanl China
2022	Mishra, H.I Bolouki, N.I Hsieh, S.T.I Li, C.I Wu,	Application of Spectroscopic Analysis for Plasma Poly	Coatings	12	6	Scopus	-	Taiwanl United Statesl Czech Republic
2022	Wu, Y.-F.I Cao, Y.-C.I Lee, P.-Y.I Kubendhiran,	Improve energy storage ability of ammonium-decorat	Electrochimica Acta	430	-	Scopus	-	Taiwanl Burkina Faso
2022	Ling, J.I Karuppiah, C.I Das, S.I Mison, L.I Ab.	Electrospun Ternary Composite Metal Oxide Fibers as	Frontiers in Materials	9	-	Scopus	SDG 7	Taiwanl Indial Malaysia
2022	Chen, S.-L.I Chen, T.-Y.I Huang, Y.-C.I Chen, C.	Missing Teeth and Restoration Detection Using Dental	IEEE Access	10	-	Scopus	-	Taiwanl Philippines
2022	Manimaran, K.I Loganathan, S.I Prakash, D.G.I N	Mycosynthesis and biochemical characterization of Hy	Biomass Conversion and Biorefinerv	-	-	Scopus	SDG 3	Taiwanl Indial South Korea Saudi Arabia
2022	Lee, Y.-C.I Lee, C.-H.	SEE: A proactive strategy-centric and deep learning-ba	Advanced Engineering Informatics	53	-	Scopus	SDG 8	Taiwanl China
2022	Jaberi, N.I Fakhri, V.I Zeraatkar, A.I Jafari, A.I Uz	Preparation and characterization of a new bio nanocom	Journal of Biomedical Materials Researc	110	10	Scopus	-	Taiwanl Turkeyl Iran
2022	Wang, S.-F.I Chen, H.-P.I Ku, Y.I Lee, C.-L.	Voltage-Mode Biquad Filter Using Four OTAs and Its	Journal of Circuits, Systems and Comput	31	4	Scopus	-	Taiwanl United States
2022	Liu, C.-Y.I Sadhu, A.S.I Karmakar, R.I Chu, C.-S.	Strongly Improving the Sensitivity of Phosphorescence	Biosensors	12	10	Scopus	-	Taiwanl Singapore
2022	Rath, P.C.I Jheng, Y.-S.I Chen, C.-C.I Tsai, C.-L.I	Tape-cast Ce-substituted Li7La3Zr2O12 electrolyte for	Journal of Materials Chemistry A	10	42	Scopus	SDG 7	Taiwanl Germany
2022	Chen, C.-B.I Kao, H.-L.I Chang, L.-C.I Lin, Y.-C.	Wound-Dressing-Based Antenna Inkjet-Printed Using	Micromachines	13	9	Scopus	-	Taiwanl China
2022	Hsieh, M.-C.I Zhang, Y.-Q.I Dong, R.I Lee, Y.-C.	Use of EEG signals, cortisol secretion, and task perform	International Journal of Industrial Ergonc	92	-	Scopus	-	Taiwanl China
2022	Chen, Y.-H.I Lee, P.-J.I Sakalvey, S.I Wen, C.-K.I	Enhanced Electrical Properties of Copper Nitride Films	Nanomaterials	12	16	Scopus	SDG 7	Taiwanl China
2022	Yan, B.I Wang, Y.I Ren, H.I Lu, X.I Kotobuki, M.	Interface Modification of NASICON-structured Li1.5A	International Journal of Electrochemical	17	-	Scopus	-	Taiwanl China
2022	Pal, B.I Yasin, A.I Sunil, V.I Sofer, Z.I Yang, C.-C.	Enhancing the materials circularity: from laboratory w	Materials Today Sustainability	20	-	Scopus	SDG 13	Taiwanl Malaysial Czech Republic
2022	Liao, G.-Y.I Pham, T.T.L.I Huang, H.-Y.I Cheng,	Real-world demotivation as a predictor of continued u	Electronic Commerce Research and Appl	53	-	Scopus	-	Taiwanl Hong Kongl Viet Nam
2022	Mangesh, V.L.I Tamizhdurai, P.I Umasankar, S.I H	Hydroprocessing mixed waste plastics to obtain clean t	Journal of Cleaner Production	358	-	Scopus	SDG 7l SDG 12	Taiwanl Indial South Korea Saudi Arabia
2022	Lou, B.-S.I Kan, F.-R.I Divatmika, W.I Lu, J.-W.	Property evaluation of TiXZrNbTaFeBy high entropy a	Surface and Coatings Technology	434	-	Scopus	-	Taiwanl Germany
2022	Biring, S.I Sadhu, A.S.I Chuang, M.-C.I Chien, K.	Pico-molar level detection of copper ion with extraordi	Sensors and Actuators B: Chemical	360	-	Scopus	SDG 3l SDG 6	Taiwanl China
2022	Rath, P.C.I Hsu, W.-L.I Chen, C.-C.I Huang, C.-Y.	Dual interface design of Ga-doped Li7La3Zr2O12/poly	International Journal of Energy Research	46	12	Scopus	SDG 7	Taiwanl Chinal Japan
2022	Wagdy, R.A.I Chen, P.-J.I Hamed, M.M.I Darwish	From EGFR kinase inhibitors to anti-inflammatory dru	Bioorganic Chemistry	127	-	Scopus	SDG 3	Taiwanl Egyptl Germany
2022	Chen, C.-W.I Aktug, S.L.I Chang, C.-J.I Lee, Y.-L.	A Chromate-Free and Convenient Route to Fabricate T	Nanomaterials	12	9	Scopus	-	Taiwanl Turkey
2022	Chen, H.-P.I Wang, S.-F.I Ku, Y.I Yi, Y.-C.I Li, Y.	Four Unity/Variable Gain First-Order Cascaded Volta	Sensors	22	16	Scopus	-	Taiwanl United States
2022	Pirouzfard, V.I Moghaddam, S.N.I Mousavi, S.A.H.	Investigation of light aromatics removal from industria	Journal of Contaminant Hydrology	249	-	Scopus	SDG 6	Taiwanl Iran
2022	El-Gamil, D.S.I ElHady, A.K.I Chen, P.-J.I Hwan	Development of novel conformationally restricted sele	European Journal of Medicinal Chemistr	238	-	Scopus	SDG 3	Taiwanl Egyptl Germany
2022	Nguyen, N.B.A.I Chen, L.-Y.I Chen, P.-J.I El-Sha	MS/MS Molecular Networking Unveils the Chemical I	International Journal of Molecular Scienc	23	24	Scopus	-	Taiwanl Egypt
2022	Liu, C.-Y.I Ram, R.I Kolaru, R.B.I Jana, A.S.I Sad	Ingenuous Fabrication of Ag-Filled Porous Anodic Alu	Biosensors	12	10	Scopus	-	Taiwanl India
2022	Mahata, C.I Jyothirmai, M.V.I Ravva, M.K.I Chak	Electronic structure and origin of intrinsic defects in sp	Journal of Alloys and Compounds	910	-	Scopus	-	Taiwanl Indial South Korea Saudi Arabia
2022	Yan, B.I Qu, Y.I Ren, H.I Lu, X.I Wang, Z.I Liu, W.	A solid-liquid composite electrolyte with a vertical mic	Materials Chemistry and Physics	287	-	Scopus	SDG 7	Taiwanl China

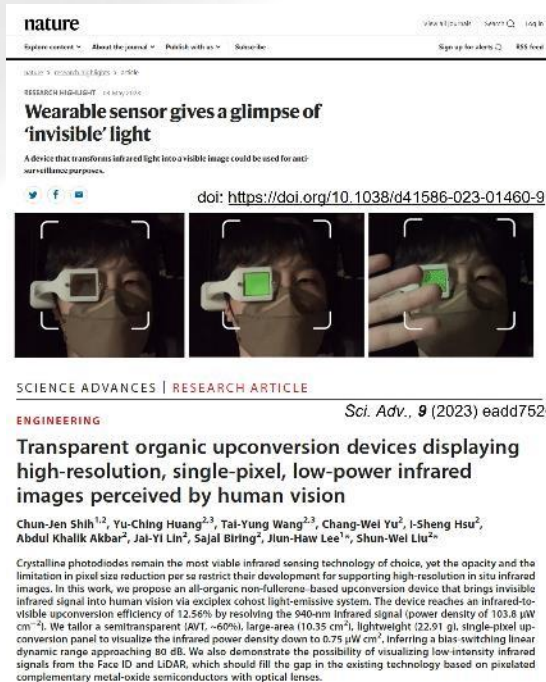
2022	Quadir, S.J Qorbani, M.J Sabbah, A.I Wu, T.-S.I A	Short- and Long-Range Cation Disorder in (Ag xCu1-x)	Chemistry of Materials	34	15	Scopus	SDG 7	Taiwan Egypt
2022	Chen, S.-L.I Chen, T.-Y.I Mao, Y.-C.I Lin, S.-Y.I	Automated Detection System Based on Convolutional N	IEEE Sensors Journal	22	23	Scopus	-	Taiwan Philippines
2022	Goh, Z.N.I Chen, M.-W.I Cheng, H.-T.I Hsu, K.	Shock Index Is a Validated Prediction Tool for the Sho	Journal of Personalized Medicine	12	6	Scopus	SDG 3	Taiwan Malaysia
2022	Das, B.J Soundararajan, N.J Kashyap, S.P.J Jang, J.	Bioaugmented polyaniline decorated poly(lactic acid na	International Journal of Energy Research	46	3	Scopus	SDG 6 SDG 7	Taiwan India
2022	Chen, H.-P.I Wang, S.-F.I Ku, Y.I Yeh, A.-C.I Che	Design of Second-Order Multifunction Filter IC Based	IEEE Access	10	-	Scopus	-	Taiwan United States
2022	Chen, Y.-L.I Alexander, H.I Hu, Y.-M.	Self-Reported Musculoskeletal Disorder Symptoms am	International Journal of Environmental R	19	17	Scopus	-	Indonesia Taiwan
2022	Raiesdanaei, S.I Pirouzfar, V.I Su, C.-H.	Technical and economic assessment of processes for th	Environment, Development and Sustaina	24	11	Scopus	-	Taiwan Iran
2022	Li, X.I Chen, C.-S.I Tsao, C.-C.I Hu, C.-C.I Chen,	Characteristics of DLC films doped with multi-element	International Journal of Advanced Manuf	121	3-4	Scopus	-	Taiwan China
2022	Darwish, S.S.I Chen, P.-J.I Hamed, M.M.I Wagdy	Development of (4-Phenylamino)quinazoline Alkylthio	Pharmaceuticals	15	7	Scopus	SDG 3	Taiwan Egypt Germany
2022	Wang, L.-P.I Tsai, L.-H.I Huang, H.-Y.I Okoli, C.I	Effect of buttonhole cannulation versus rope-ladder can	Medicine (United States)	101	29	Scopus	-	Taiwan United States
2022	Shih, J.-Y.I Chen, Y.-R.I James Li, Y.-J.I Hung, T.	Suppressed Volume Change of a Spray-Dried 3D Spher	ACS Sustainable Chemistry and Engineer	10	38	Scopus	SDG 7	Taiwan India Malaysia
2022	Chen, T.-C.I Opulencia, M.J.C.I Majidi, H.S.I Ham	Estimation of Thermomechanical Fatigue Lifetime of B	Journal of Electronic Materials	51	7	Scopus	-	Taiwan United Arab Emirates India Iraq Iran
2022	Hsiao, Y.-C.I Hung, J.-L.I Kubendhiran, S.I Youg	Novel synthesis of N-doped graphene quantum dot as c	Journal of Energy Storage	56	-	Scopus	SDG 7	Taiwan United States Burkina Faso
2022	Yu, V.F.I Chiang, F.-Y.I Le, T.H.A.I Lin, S.-W.	Using the ISM Method to Analyze the Relationships be	Applied Sciences (Switzerland)	12	8	Scopus	-	Taiwan Viet Nam
2022	Hardiansyah, A.I Randy, A.I Dewi, R.T.I Angelina	Magnetic Graphene-Based Nanosheets with Pluronic F	Polymers	14	15	Scopus	SDG 3	Indonesia Taiwan
2022	Tsai, Y.-D.I Shih, J.-Y.I Li, Y.-J.I Hung, T.-F.I H	Effect of Single-Walled Carbon Nanotube Sub-carbon	ACS Sustainable Chemistry and Engineer	10	50	Scopus	SDG 7	Taiwan India Malaysia
2022	Liu, C.-K.I Chiang, W.-Y.I Rao, P.-Z.I Hung, P.-H	The Uses of a Dual-Band Corrugated Circularly Polariz	Micromachines	13	2	Scopus	-	Taiwan China Philippines
2022	Chen, Y.-C.I Shie, R.-H.I Zhu, J.-J.I Hsu, C.-Y.	A hybrid methodology to quantitatively identify inorga	Journal of Hazardous Materials	428	-	Scopus	SDG 9 SDG 11	Taiwan United States
2022	Sani, S.I Lawal, B.I Ejeje, J.N.I Aliu, T.B.I Onikan	Biochemical and tissue physiopathological evaluation c	Biomedicine and Pharmacotherapy	154	-	Scopus	SDG 3	Taiwan Egypt Nigeria Saudi Arabia France
2022	Hsu, S.-C.I Chang-Jian, C.-W.I Huang, T.-Y.I Hu	Synergetic effect of doping and surface engineering on	Ceramics International	48	19	Scopus	SDG 7	Taiwan France
2022	Teng, C.-J.I Huang, T.-L.I Liao, G.-Y.I Dennis, A.	Administrator-users contribute more to online commun	Information and Management	59	8	Scopus	-	Taiwan United States
2022	Mykhailenko, O.I Petrikaite, V.I Korinek, M.I Cha	Pharmacological potential and chemical composition of	Molecules	27	1	Scopus	SDG 3	Taiwan Egypt Lithuania Ukraine
2022	Cui, X.I Duan, X.I Chang, C.-T.I Jiang, S.	Health Transition Probability and Long-Term Care Cos	Mathematical Problems in Engineering	2022	-	Scopus	SDG 1	Taiwan China
2022	Nakayama, M.I Nakano, K.I Harada, M.I Tanibata	Na superionic conductor-type LiZr2(PO4)3 as a promi	Chemical Communications	58	67	Scopus	SDG 7	Taiwan Japan
2022	Choi, S.I Chen, C.-L.I Johnston, M.V.I Wang, G.S	Engineered nanoparticles in wastewater systems: Effect	Membrane and Water Treatment	13	1	Scopus	SDG 6	Taiwan South Korea United States
2022	Hagos Aregawi, B.I Diana, T.I Su, C.-H.I El-Shafat	Development of a machine learning computational tech	Journal of Molecular Liquids	353	-	Scopus	-	Taiwan Kazakhstan Saudi Arabia Russian Federation
2022	Yang, K.-S.I Chen, C.-W.I Yau, R.-B.I Liane, H.-L	A novel surgical technique in transforaminal lumbar in	BMC Surgery	22	1	Scopus	-	Taiwan China
2022	Jian, S.-J.I Wang, S.S.-S.I Ooi, C.W.I Hoe, B.C.I J	Cellulose-based nanofiber membrane functionalized wi	Cellulose	29	17	Scopus	SDG 6	Taiwan Malaysia
2022	Huang, T.-L.I Chen, C.-H.I Liao, G.-Y.I Cheng, T.	How to Enhance Vendor-Specific Perceived Effectiven	International Journal of Electronic Comm	26	2	Scopus	-	Taiwan Hong Kong
2022	Huang, C.-H.I Lu, Y.-J.I Pan, Y.-C.I Liu, H.-L.I Qi	Nanohollow Titanium Oxide Structures on Ti/FTO Gla	Nanomaterials	12	11	Scopus	-	Taiwan Poland
2022	Cheng, T.-M.I Chu, H.-Y.I Cao, Y.-C.I Kubendhir	Design of novel cobalt-based perovskite derivatives usi	Journal of Energy Storage	55	-	Scopus	-	Taiwan Burkina Faso
2022	Yuesti, A.I Putri, R.A.I Hazim, H.T.I Polukhin, O.	Application of Forest Optimization Algorithm for the R	Industrial Engineering and Management S	21	2	Scopus	-	Taiwan Indonesia India Iraq Malaysia Viet Nam
2022	Seenivasan, M.I Jeyakumar, J.I Jose, R.I Yang, C.	Spray-drying Al onto hydroxide precursors to prepare	Journal of Alloys and Compounds	926	-	Scopus	SDG 7	Taiwan Malaysia
2022	Chang, H.-Y.I Huang, T.-L.I Wong, M.-K.I Shyu,	Relationship between psychological ownership of the n	Journal of Nursing Management	30	7	Scopus	-	Taiwan Hong Kong
2022	Hsieh, M.-C.I Chen, L.-X.I Lee, Y.-C.I Liu, Q.-M.	A Simulation-Based Study of the Effect of Brake Light	Behavioral Sciences	12	9	Scopus	SDG 3	Taiwan China
2022	Manimaran, K.I Prakash, D.G.I Kumar, S.I Bogesh	Biological approaches of reduced graphene oxide (rGO	Biomass Conversion and Biorefinery	-	-	Scopus	SDG 3	Taiwan India South Korea Saudi Arabia Thailand
2022	Tsou, C.-S.I Liou, C.I Cheng, L.I Zhou, H.	Quality prediction through machine learning for the ins	Cogent Engineering	9	1	Scopus	-	Taiwan China
2022	Hsieh, S.T.I Mishra, H.I Bolouki, N.I Wu, W.I Li,	The Correlation of Plasma Characteristics to the Depos	Coatings	12	7	Scopus	-	Taiwan United States Czech Republic
2022	Wang, C.Y.I Hsieh, M.K.I Hu, Y.J.I Bit, A.I Lai, P.	MONOCARBOXYLATE TRANSPORTER 1-MEDIA	European Cells and Materials	43	-	Scopus	-	Taiwan India
2022	Januar, M.I Prakoso, S.P.I Zhong, C.-W.I Lin, H.-C	Room-Temperature Fabrication of p-Type SnO Semico	ACS Applied Materials and Interfaces	14	41	Scopus	-	Taiwan United Kingdom
2022	Lee, C.-Y.I Lee, J.-L.I Jian, S.-Y.I Chen, C.-A.I Ah	The effect of fluoride on the formation of an electroless	Journal of Materials Research and Techn	19	-	Scopus	-	Taiwan Turkey
2022	Tang, W.I Hu, C.-C.I Tsao, C.-C.I Chen, C.-S.I Ro	Photocatalytic Activity and Mechanical Performance of	Journal of Electronic Materials	51	11	Scopus	-	Taiwan China Saudi Arabia
2022	Anichkina, O.I Chen, T.C.I Sivakov, S.I.I Voronko	A novel mathematical model to design an agile supply	International Journal of Industrial Engine	13	2	Scopus	SDG 9	Taiwan Russian Federation
2022	Diyaaprabha, H.S.I Chang, T.-P.I Shih, J.-Y.I Ngu	Mechanical Properties of Eco-Friendly Self-consolidati	Lecture Notes in Civil Engineering	215	-	Scopus	-	Indonesia Taiwan Viet Nam
2022	Hong, J.-C.I Ye, J.-H.I Wu, Y.-F.I He, Z.	Master' s Study Duration: The Effects of Active Learn	Bulletin of Educational Psychology	53	4	Scopus	SDG 4 SDG 8	Taiwan China
2022	Wu, Y.-F.I Chen, M.-Y.I Ye, J.-H.I Hong, J.-C.I Y	The Relationship of Breathing and COVID-19 Anxiety	Frontiers in Psychology	13	-	Scopus	SDG 3	Taiwan China
2022	Babulal, S.M.I Karuppiah, C.I Chen, S.-M.I Babul	Rational synthesis of reduced graphene oxide hybrid na	FlatChem	36	-	Scopus	-	Taiwan United Arab Emirates Norway
2022	Rohra, H.I Pital, A.S.I Satsangi, P.G.I Taneja, A.	Revisiting the atmospheric particles: Connecting lines	Science of the Total Environment	841	-	Scopus	SDG 3	Taiwan India
2022	Pham, T.T.L.I Chang, H.-Y.I Wong, A.M.-K.I Van	Mental health of healthcare professionals: headaches ar	International Journal of Workplace Healt	15	5	Scopus	-	Taiwan Viet Nam
2022	Mayet, A.M.I Chen, T.-C.I Alizadeh, S.M.I Al-Qai	Increasing the Accuracy and Optimizing the Structure c	Separations	9	10	Scopus	-	Taiwan Saudi Arabia Germany Thailand Kuwait
2022	Paliwal, A.I Mardegan, L.I Roldan-Carmona, C.I F	Efficient Semitransparent Perovskite Solar Cells Based	Advanced Materials Interfaces	9	29	Scopus	SDG 7	Taiwan Spain
2022	Yang, C.-Y.I Jian, L.-Y.I Lee, Y.-T.I Tseng, Z.-L.I	Amplified spontaneous emission from all-inorganic per	Scientific Reports	12	1	Scopus	-	Taiwan Japan
2022	Kotobuki, M.I Zhou, C.I Su, Z.I Yang, L.I Wang,	Importance of substrate materials for sintering Li1.5Al	Journal of Solid State Chemistry	310	-	Scopus	SDG 7	Taiwan China Singapore Australia
2022	Fang, J.I Wang, L.I Qin, Z.I Lu, B.I Zhao, W.I Hou	A Lightweight Passive Human Tracking Method Using	Sensors	22	2	Scopus	-	Taiwan China United States
2022	Numpilai, T.I Ne, K.H.I Polsomboon, N.I Cheng,	Hydrothermal synthesis temperature induces sponge-li	Chemosphere	308	-	Scopus	SDG 6	Taiwan United Arab Emirates Thailand
2022	Bozorgkhoo, N.I Pirouzfar, V.I Su, C.-H.	Increasing the efficiency of liquefied natural gas produ	Environmental Progress and Sustainable	41	4	Scopus	SDG 9	Taiwan Iran
2022	Chen, T.-C.I Iiyasu, A.M.I Hanus, R.I Salama, A.S	Predicting Scale Thickness in Oil Pipelines Using Freq	Energies	15	20	Scopus	-	Taiwan China Egypt Japan Saudi Arabia Poland
2022	Khalili, F.I Dehaghani, A.H.S.I Su, C.-H.	Investigation of the effects of salinity on the amount of	Petroleum Science and Technology	40	18	Scopus	-	Taiwan Iran
2022	Chu, S.-E.I Lu, J.-X.I Chang, S.-C.I Hsu, K.-H.I G	Point-of-care application of diaphragmatic ultrasonogr	Frontiers in Medicine	9	-	Scopus	SDG 3	Taiwan Malaysia
2022	Lin, D.-Y.I Hsu, H.-P.I Wang, C.-W.I Chen, S.-W.	Temperature-Dependent Absorption of Ternary HfS2-x	Materials	15	18	Scopus	-	Taiwan Poland
2022	Hsieh, C.-T.I Mallick, B.C.I Gandomi, Y.A.I Huan	Improvement on high-temperature electrochemical perf	Electrochimica Acta	423	-	Scopus	SDG 7	Taiwan United States
2022	Cheng, S.-W.I Chen, B.-S.I Jian, S.-R.I Hu, Y.-M.I	Finite Element Analysis of Nanoindentation Responses	Coatings	12	10	Scopus	-	Taiwan Viet Nam
2022	Chen, Y.-L.I Huang, P.-S.I Hsu, C.-W.I Chang, Y.	Shank Circumference Reduction by Sleep Compression	Healthcare (Switzerland)	10	8	Scopus	-	Taiwan Viet Nam
2022	Li, Z.I Deng, X.I Lee, Y.-C.I Jiang, L.I Yu, G.I Fan	Establishment of open web platform based on 3D head	Heliyon	8	12	Scopus	-	Taiwan China
2022	Huang, R.-Z.I Chen, K.-H.I Ooi, C.W.I Hoe, B.C.I	Direct recovery of malate dehydrogenase from highly v	Biochemical Engineering Journal	183	-	Scopus	-	Taiwan Malaysia

2022	Loo, C.-C.I Ng, S.-S.I Chang, W.-S.	Electrostatic Contribution to the Photo-Assisted Piezo	Microscopy and Microanalysis	28	5	Scopus	-		TaiwanI Malaysia
2022	Wang, X.I Ferreira, F.A.F.I Tao, M.I Chang, C.-T.	A Hybrid AHP – FCE – WMCGP Approach for Intern	International Journal of Fuzzy Systems	24	5	Scopus	-		TaiwanI ChinaI United StatesI Portugal
2022	Wang, S.-F.I Chen, H.-P.I Ku, Y.I Lin, Y.-C.	A novel voltage-mode universal second-order filter usi	Measurement and Control (United Kingd	55	9-10	Scopus	-		TaiwanI United States
2022	Nguyen, H.-A.I Chang, T.-P.I Chen, C.-T.I Wun, J	Polypropylene fiber reinforced concrete improved by us	Materiales de Construcción	72	##	Scopus	-		TaiwanI Viet Nam
2022	Chen, C.-H.I Lee, C.-Y.I Ger, M.-D.I Jian, S.-Y.I I	The Effect of Oxalic Acid as the Pre-Activator for the E	Polymers	14	19	Scopus	-		TaiwanI Germany
2022	Muthiah, A.I Lee, Y.-C.	Comparative Analysis of Male Cyclist Population in Fo	International Journal of Environmental R	19	16	Scopus	-		TaiwanI India
2022	Asif, M.I Xiao, F.I Govindasamy, M.I Sun, Y.	2D Nanoarchitectures for Sensing/Biosensing Applicat	Frontiers in Chemistry	10	-	Scopus	-		TaiwanI China
2022	Su, C.-H.I Masoumi, S.A.O.I Pirouzfard, V.I Nguyen	Investigation of Options for Harnessing Energy Losses	Journal of Pipeline Systems Engineering	13	4	Scopus	SDG 7		TaiwanI IranI Viet Nam
2022	Su, C.-H.I Farahani, A.A.I Pirouzfard, V.I Nguyen	Analyzing the Effects of Injecting Gaseous Hydrocarbo	Journal of Pipeline Systems Engineering	13	4	Scopus	-		TaiwanI IranI Viet Nam
2022	Sukerta, I.M.I Chen, T.-C.I Mardizal, J.I Salih, S.M	Comparison of lateral spillway and morning glory spill	Journal of Water and Land Development	53	-	Scopus	SDG 7I SDG 11I SDG 13		TaiwanI IndonesiaI IndiaI IraqI Malaysia
2022	Xu, F.I Guo, X.I Pan, J.I Deng, L.I Lee, Y.-C.	An Innovative Guidance for Outdoor Fitness Equipmen	Lecture Notes in Computer Science (inclu	13313	-	Scopus	-		TaiwanI China
2022	Ng, K.H.I Hsu, L.-C.I Liu, Y.-T.I Hsiao, C.-Y.I Ch	Cross-redox and simultaneous removal of Cr(VI) and A	Ecotoxicology and Environmental Safety	245	-	Scopus	-		TaiwanI Japan
2022	Lin, C.-Y.I Yu, H.-P.I Chang, Y.-T.I Lin, Z.-C.I A	Targeting anti-inflammatory immunonano	Biomaterials Science	11	3	Scopus	SDG 3		TaiwanI Saudi Arabia
2022	Chen, T.-C.I Yu, J.I Golmohammadi, A.-M.	Application of Sustainable Education Innovation in the	Discrete Dynamics in Nature and Society	2022	-	Scopus	SDG 4I SDG 9I SDG 12		TaiwanI ThailandI Iran
2022	Singh, A.I Rathinam, R.I Yadav, A.K.I Vasudevan	A Simple Approach of CQDs@MoS2 Nanosheets for T	Key Engineering Materials	928	-	Scopus	-		TaiwanI India
2022	Huang, Z.-H.I Layek, M.I Li, C.-F.I Lee, K.-M.I H	Cesium Lead Bromide Nanocrystals: Synthesis, Modifi	Sensors	22	22	Scopus	-		TaiwanI United States
2022	Chung, C.-C.I Su, D.-S.I Huang, T.-Y.I Lee, C.-Y.	Nanoscale plasmonic wires with maximal figure of mer	Scientific Reports	12	1	Scopus	-		TaiwanI United States
2022	Lu, S.-J.I Chen, Y.-H.I Huang, H.I Liu, Y.-C.	The Role of Digital-Media-Based Pedagogical Aids in	Sustainability (Switzerland)	14	16	Scopus	SDG 4		TaiwanI United Kingdom
2022	Nagaraj, K.I Sakthithan, S.I Chiu, T.-W.I Kamal	States of Aggregation and Phase Transformation Behav	Biomimetics	7	4	Scopus	-		TaiwanI India
2022	Cao, Q.I Xiao, Y.I Liu, N.I Huang, R.I Ye, C.I Hua	Corrigendum to "Synthesis of volk/shell heterostructu	Sensors and Actuators B: Chemical	370	-	Scopus	-		TaiwanI China
2022	Chen, T.-C.I Ibrahim Alazzawi, F.I Mavaluru, D	Application of Data Mining Methods in Grouping Agri	Mathematical Problems in Engineering	2022	-	Scopus	-		IndonesiaI TaiwanI IraqI ChinaI Saudi ArabiaI CambodiaI ThailandI Russian Federation
2022	Chen, M.I Lin, C.-K.I Pai, K.-J.	A Tree Structure forLocal Diagnosis inMultiprocessor	Communications in Computer and Inform	1723	-	Scopus	-		TaiwanI China
2022	Cheng, C.K.I Ng, K.H.	Editorial SI: Progress in grey, blue and green hydrogen	International Journal of Hydrogen Energy	47	98	Scopus	-		TaiwanI United Arab Emirates
2022	Lu, S.-J.I Lin, Y.-C.I Tan, K.H.I Liu, Y.-C.	Revolutionizing elementary disaster prevention educati	International Journal of Engineering Busi	14	-	Scopus	SDG 4I SDG 11		TaiwanI United Kingdom
2022	Chen, T.-C.I Theruvil Sayed, B.I Opulencia, M.I C	Prediction of the Coefficient of Pressure Fluctuations d	Advances in Civil Engineering	2022	-	Scopus	-		TaiwanI United Arab EmiratesI IraqI AfghanistanI Oman
2022	Wang, S.-Y.I Yao, R.-B.I Yang, K.-S.I Liang, H.-C	The efficacy of vancomycin-loaded biphasic calcium ph	Frontiers in Bioengineering and Biotechn	10	-	Scopus	SDG 3		TaiwanI China
2022	Piral, A.S.I Dubey, S.I Singh, S.P.I Taneja, A.	Geographical Distribution and Transport of Atmospher	Airborne Particulate Matter: Source, Che	-	-	Scopus	SDG 3		TaiwanI India
2022	Guo, S.-E.I Chen, M.-Y.I Okoli, C.I Chiang, Y.-F.	Effectiveness of Smoking Prevention Programs on the	International Journal of Environmental R	19	15	Scopus	SDG 3		TaiwanI United States
2022	Minh, L.N.I Nhat, T.N.T.I Le Huynh Diem, S.I M	Micropropagation of Asparagus officinalis L. through c	BIO Web of Conferences	47	-	Scopus	-		TaiwanI Russian FederationI Viet Nam

Highlights of the international co-authored research paper on energy and environment

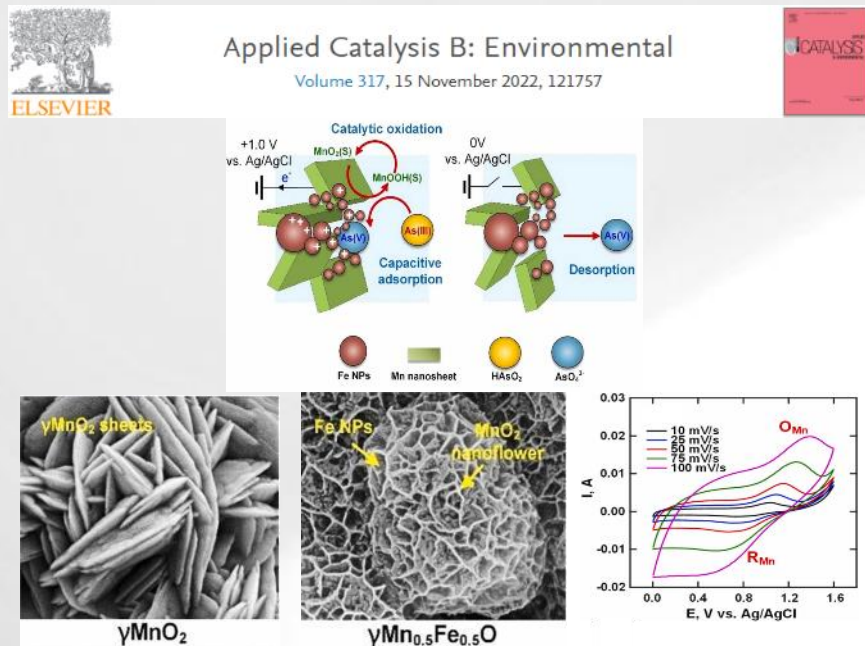


2023年Prof. Kotobuki, from Battery Research Center of Green Energy, published cathode materials for Mg battery in **Energy Storage Materials** (Impact Factor : 20.4 ; RF=4.39%).

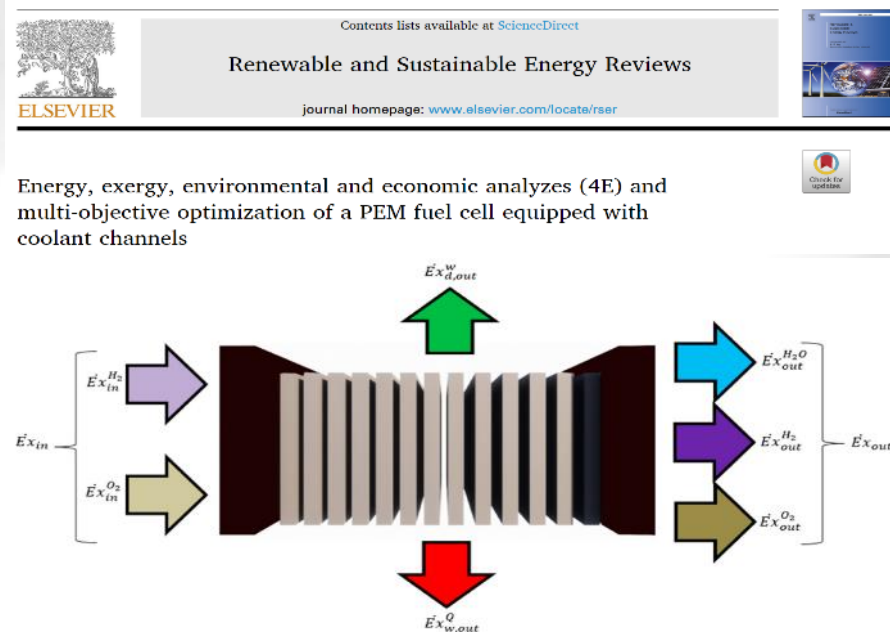


In 2023, Prof. Liu Shun-Wei from the Department of Electronic Engineering developed organic imaging devices, and the results were published in **Science Advances** (Impact Factor: 13.6; RF=9.58%). The significance of this achievement was recognized by NATURE as a Research Highlight. This accomplishment marks the first instance in the domestic optoelectronics field, making it truly exceptional.

Highlights of the international co-authored research paper on energy and environment



In 2022, Prof. Chen Ching-Long from the Department of Safety, Health, and Environmental Engineering, along with the research team led by Professor Huang from the University of Delaware in the United States, jointly published a research paper in **Applied Catalysis B: Environmental** (Impact Factor: 24.319; RF=1.85%). The study delved into the production conditions of iron-manganese oxides to enhance their ability to remove harmful arsenic substances from the environment.



In 2022, Prof. Su Jia-Hong from the Department of Chemical Engineering, along with a multinational research team including Yunnan Agricultural University, published a collaborative paper in **Renewable and Sustainable Energy Reviews** (Impact Factor: 16.799; RF=2.13%). The study extensively explored the multi-objective optimization of proton exchange membrane fuel cells.