

## 2023 期刊 Impact Factor(IF)≥15之論文細目表

資料來源：由各系所調查後提供（陸續更新）

Publication Date	Article Title	Authors	成大作者 (第一或通訊)	學院	Source	Volume	Issue	Pages	Journal Impact Factor
2023/1/19	Visualization of Tunable Weyl Line in A - A Stacking Kagome Magnets	Z.-J. Cheng, I. Belopolski, H.-J. Tien, T. A Cochran, X. P Yang, W. Ma, J.-X. Yin, D. Chen, J. Zhang, C. Jozwiak, A. Bostwick, E. Rotenberg, G. Cheng, Md . Hossain, Q. Zhang, M. Litkeovich, -X. Jiang, N. Yao, N. BM Schroeter, V. N Sroocov, B. Lian, C. Felser, G. Chang, S. Jia, Tay-Rong Chang*, M Z. Hasan	Tay-Rong Chang (通訊作者)	理學院物理系	Advanced Materials	35	3	2205927	32.1
2023/2/2	Self-Steering Lasing System Enabled by Flexible Photo-Actuators with Sandwich Structure	Yan-Song Zhang, Zhi-Wei Lin, Hui-Chen Yeh, Chi-Min Liang, Jia-De Lin, Po-Chih Yang, Chia-Rong Lee*	Chia-Rong Lee (通訊作者)	理學院光電系	Advanced Functional Materials	33	6	2210657	19.9
2023/2/25	Vertical-type 3D/Quasi-2D n-p Heterojunction Perovskite Photodetector	Yuan-Wen Hsiao, , Hung-Chieh su, Shih-Hsiung Wu, Hsuan-Ta Wu, Ching-Chieh Leu, Chuan-Feng Shih	Chuan-Feng Shih (通訊作者)	電資學院電機系	Advanced Functional Materials	33		p.2300169	19.2
2023/3/6	Jointly Defending DeepFake Manipulation and Adversarial Attack Using Decoy Mechanism	Chen, Guan-Lin(數據所指導碩士生); Hsu, Chih-Chung*	Chih-Chung Hsu (通訊作者)	管理學院統計系	IEEE Transactions on Pattern Analysis and Machine Intelligence	45	8	9922-9931	23.6
2023/4/1	Enormous enhancement of thermoelectric properties via piezo-gating effect	Jit Dutta, Zhe-Yong Gong, Arijit Mitra, Chuan-Pu Liu*	Chuan-Pu Liu (通訊作者)	工學院材料系	Nano Energy	108		108246	19.1
2023/4/19	Generation of Long-lived Excitons in Room-temperature Phosphorescence 2D Organic and Inorganic Hybrid Perovskites for Ultrafast and Low Power-consumption Non-volatile Photomemory	Jian-Cheng Chen, Yu-Dao Lu, Jung-Yao Chen*	Jung-Yao Chen (通訊作者)	理學院光電系	Advanced Science	10	19	2301028	15.1
2023/4/25	Bioengineered bacteriophage-like nanoparticles as RNAi therapeutics to enhance radiotherapy against glioblastomas	H.H. Pang, C.Y. Huang, P.Y. Chen, N.S. Li, Y.P. Hsu, J.K. Wu, H.F. Fan, K.C. Wei*, H.W. Yang*	Hao-Han Pang (第一作者) 、 Hung-Wei Yang (通訊作者)	工學院醫工系	ACS Nano	17	11	10407 - 10422	17.0
2023/4/26	Highly Distorted Multiple Helicenes: Syntheses, Structural Analyses, and Properties	Hsiao-Ci Huang, Ya-Chu Hsieh, Pei-Lun Lee, Chi-Chen Lin, Yeu-Shiuan Ho, Wei-Kai Shao, Chi-Tien Hsieh, Mu-Jeng Cheng*, and Yao-Ting Wu*	Mu-Jeng Cheng , Wu, Yao-Ting (共同通訊作者)	理學院化學系	Journal of the American Chemical Society			Print Edition ISSN: 0002-7863 Web Edition ISSN: 1520-5126	15.0
2023/4/28	Fresh perspectives on the foundations of quantum physics	*Eric G. Cavalcanti, *Rafael Chaves, *Flaminia Giacomini, *Yeong-Cherng Liang	Yeong-Cherng Liang (共同通訊作者)	理學院物理系	Nature Reviews Physics	5		323-325	38.5
2023/5/10	Selective Activation of Cells by Piezoelectric Molybdenum Disulfide Nanosheets with Focused Ultrasound	Fan, Ching-Hsiang; Tsai, Hong-Chieh; Tsai, Yi-Sheng; Wang, Hsien-Chu; Lin, Yu-Chun; Chiang, Po-Han; Wu, Nan; Chou, Min-Hwa; Ho, Yi-Ju; Lin, Zong-Hong; Yeh, Chih-Kuang	Fan, Ching-Hsiang (第一作者)	工學院醫工系	ACS Nano	17	10	9140-9154	17.1
2023/6/19	Carrier - Phonon Interaction Induced Large Negative Thermal-Optic Coefficient at Near Band Edge of Quasi-2D (PEA)2PbBr4 Perovskite	Sheng-Chan Wu, Chun-Sheng Wu, Ching-Hang Chien, Yu-Wei Zhang, Chung-Xian Yang, Cheng Liu, Ming-Hsien Li, Chen-Fu Lin, Yu-Hao Wu, Bi-Hsuan Lin, Yu-Hsun Chou, Yia-Chung Chang*, Peter Chen*, Hsu-Cheng Hsu*	Yia-Chung Chang , Peter Chen , Hsu-Cheng Hsu (共同通訊作者)	理學院物理系光電系	Advanced Functional Materials	33	25	2213427	19.0
2023/6/29	Microbial metabolites regulate social novelty via CaMKII neurons in the BNST	Chia-Wei Liou , Sin-Jhong Cheng , Tzu-Hsuan Yao , Tzu-Ting Lai , Yu-Hsuan Tsai , Che-Wei Chien , Yu-Lun Kuo , Shih-Hsuan Chou , Cheng-Chih Hsu , Wei-Li Wu *	Wei-Li Wu (通訊作者)	醫學院生理所	Brain Behav Immun	113		2023 Oct;113:104-123. doi: 10.1016/j.bbi.2023.06.029. Epub 2023 Jun 29.	15.1
2023/7/1	Secondary-phase-induced charge-discharge performance enhancement of Co-free high entropy spinel oxide electrodes for Li-ion batteries	Thi Xuyen Nguyen, Jagabandhu Patra, Chia-Chien Tsai, Wen-Ye Xuan, Hsin-Yi Tiffany Chen, Matthew S. Dyer, Oliver Clemens, Ju Li, Subhasish Basu Majumder, Jeng-Kuei Chang*, Jyh-Ming Ting*	Jyh-Ming Ting (通訊作者)	工學院材料系	Advanced Functional Materials	23	30	2300509	19.0
2023/7/15	High entropy promoted active site in layered double hydroxide for ultra-stable oxygen evolution reaction electrocatalyst	Thi Xuyen Nguyen, Chia-Chien Tsai, Van Thanh Nguyen, Yan-Jia Huang, Yen-Hsun Su, Siang-Yun Li, Rui-Kun Xie, Yu-Jung Lin, Jyh-Fu Lee, Jyh-Ming Ting*	Jyh-Ming Ting (通訊作者)	工學院材料系	Chemical Engineering Journal	466	-	143352	15.1
2023/7/27	Deep Learning Model to Predict Ice Crystal Growth	Bor-Yann Tseng, Chen-Wei Conan Guo, Yu-Chen Chien, Jyn-Ping Wang, Chi-Hua Yu*	Chi-Hua Yu (通訊作者)	工學院工料系	Advanced Science	10	21	1-13	15.1
2023/8/3	Electroactive membrane fusion-liposome for increased electron transfer to enhance radiodynamic therapy	Ying-Chi Chen, Yi-Ting Li, Chin-Lai Lee, Yen-Ting Kuo, Chia-Lun Ho, Wei-Che Lin, Ming-Chien Hsu, Xizi Long, Jia-Sin Chen, Wei-Peng Li, Chia-Hao Su, Akihiro Okamoto* & Chen-Sheng Yeh*	Yeh, Chen-Sheng (共同通訊作者)	理學院化學系	Nature Nanotechnology			ISSN 1748-3395 (online) ISSN 1748-3387 (print)	38.3
2023/8/4	Synergistic Effect of Crown Ether and Main-Chain Engineering for Boosting Hydrogen Evolution of Polymer Photocatalysts in Seawater	Chih-Li Chang, Tse-Fu Huang, Wei-Cheng Lin, Li-Yu Ting, Chin-Hsuan Shih, Yan-Heng Chen, Jia-Jen Liu, Yu-Tung Lin, Yuang-Ting Tseng, Yi-Hsiang Wu, Yu-En Sun, Mohamed Hammad Elsayed, Chin-Wen Chen*, Chi-Hua Yu*, Ho-Hsiu Chou*	Chi-Hua Yu (共同通訊作者)	工學院工料系	Advanced Energy Materials	13	29	1-10	27.8
2023/8/4	XCP1 cleaves Pathogenesis-related protein 1 into CAP69 for systemic immunity in Arabidopsis	Ying-Lan Chen, Fan-Wei Lin, Kai-Tan Cheng, Chi-Hsin Chang, Sheng-Chi Hung, Thomas Efferth & Yet-Ran Chen	Ying-Lan Chen (第一作者)	生科院生科產業系	Nature Communications				17.7
2023/8/5	Prussian blue analog with separated active sites to catalyze water driven enhanced catalytic treatments	Liu-Chun Wang, Pei-Yu Chiou, Ya-Ping Hsu, Chin-Lai Lee, Chih-Hsuan Hung, Yi-Hsuan Wu, Wen-Jun Wang, Gia-Ling Hsieh, Ying-Chi Chen, Li-Chan Chang, Wen-Pin Su, Divinah Manoharan, Min-Chiao Liao, Suresh Thangudu, Wei-Peng Li, Chia-Hao Su, Hong-Kang Tian* & Chen-Sheng Yeh*	Hong-Kang Tian & Chen-Sheng Yeh (共同通訊作者)	工學院化工系、理學院化學系	Nature Communications			ISSN 2041-1723 (online)	17.7
2023/8/19	Microalgae-bacteria consortia for the treatment of raw dairy manure wastewater using a novel two-stage process: Process optimization and bacterial community analysis	Yi-Ling Chang, Dillirani Nagarajan, Jih-Heng Chen, Chun Yen Chen, Yi-Ju Wu, Liang-Ming Whang, Dau-Jong Lee, Jo-Shu Chang*	Jo-Shu Chang (通訊作者)	工學院化工系	Chemical Engineering Journal	473		145388	15.1
2023/8/28	Synthesis, structural analysis, and properties of highly twisted alkenes 13,13-bis(dibenzof[a,i]fluorenylidene) and its derivatives	Hao-Wen Kang, Yu-Chiao Liu, Wei-Kai Shao, Yu-Chen Wei, Chi-Tien Hsieh, Bo-Han Chen, Chih-Hsuan Lu, Shang-Da Yang, Mu-Jeng Cheng, Pi-Tai Chou*, Ming-Hsi Chiang* & Yao-Ting Wu*	Wu, Yao-Ting (共同通訊作者)	理學院化學系	Nature Communications			ISSN 2041-1723 (online)	17.7
2023/9/1	Emerging higher-order memristors for bio-realistic neuromorphic computing: A review	Rajneesh Chaurasiya, Li-Chung Shih, Kuan-Ting Chen, and Jen-Sue Chen	Jen-Sue Chen (通訊作者)	工學院材料系	Materials Today	68		356-376	24.2
2023/9/1	Piezo-Gated Flexible Transistors: A Path to Energy-Efficient Multi-Functional Piezotronic Devices	Jit Dutta, Chuan-Pu Liu*	Chuan-Pu Liu (通訊作者)	工學院材料系	Nano Energy	114		108663	19.1
2023/9/23	Structural basis for calcium-stimulating pore formation of Vibrio α-hemolysin	Yu-Chuan Chiu, Min-Chi Yeh, Chun-Hsiung Wang, Yu-An Chen, Hsiang Chang, Han-You Lin, Meng-Chiao Ho & Shih-Ming Lin*	Shih-Ming Lin (通訊作者)	生科院生科產業系	Nature Communications				17.7
2023/9/27	Future-case control crossover analysis for adjusting bias in case crossover studies	Wei-Ching Huang, Edward Chia-Cheng Lai*	Edward Chia-Cheng Lai (通訊作者)	醫學院藥學所	The British Medical Journal	382		p2136.	107.7
2023/9/27	Association between recently raised anticholinergic burden and risk of acute cardiovascular events: nationwide case-case-time-control study	Wei-Ching Huang, Avery Shuei-He Yang, Daniel Hsiang-Te Tsai, Shih-Chieh Shao, Swu-Jane Lin, Edward Chia-Cheng Lai*	Edward Chia-Cheng Lai (通訊作者)	醫學院藥學所	The British Medical Journal	382		e076045	107.7
2023/9/30	Ballistic transport spectroscopy of spin-orbit-coupled bands in monolayer graphene on WSe2	Qing Rao, Wun-Hao Kang, Hongxia Xue, Ziqing Ye, Xuemeng Feng, Kenji Watanabe, Takashi Taniguchi, Ning Wang, Ming-Hao Liu* & Dong-Keun Ki*	Ming-Hao Liu (共同通訊作者)	理學院物理系	Nature Communications	14		6124	17.7
2023/10/31	Anodic oxidation-accelerated self-reconstruction of trimetallic Prussian blue analogue toward robust oxygen evolution reaction performance	Thi Xuyen Nguyen, Kai-Hsiang Yang, Yan-Jia Huang, Yen-Hsun Su, Oliver Clemens, Rui-Kun Xie, Yu-Jung Lin, Jyh-Fu Lee, Jyh-Ming Ting*	Jyh-Ming Ting (通訊作者)	工學院材料系	ACS Applied Materials & Interfaces	15	45	52716-52723	15.3
2023/11/1	Metasurface-empowered snapshot hyperspectral imaging with convex/deep (CODE) small-data learning theory	Chia-Hsiang Lin, Shih-Hsiu Huang, Ting-Hsuan Lin & Pin Chieh Wu*	Chia-Hsiang Lin (第一作者) 、 Pin Chieh Wu (通訊作者)	電資學院電機系、理學院光電系	Nature Communications	14		6979	17.7
2023/11/1	Solar-driven hydrogen evolution in alkaline seawater over earth-abundant g-C <sub>3</sub> N <sub>4</sub> /CuFeO <sub>2</sub> heterojunction photocatalyst using microplastic as a feedstock	Yi-Hsuan Lai, *Pei-Wen Yeh, Meng-Jyun Hong, Ping-Chang Chuang	Yi-Hsuan Lai (第一作者)	工學院材料系	Chemical Engineering Journal	475		146413	15.1
2023/11/7	Forgotten memory storage and retrieval in Drosophila	Chih-Ming Wang, Chun-Yuan Wu, Chen-En Lin, Ming-Chi Hsu, Jing-Chun Lin, Chuan-Chin Huang, Ting-Yu Lien, Hsin-Kai Lin, Ting-Wei Chang & Hsueh-Cheng Chiang *	Hsueh-Cheng Chiang (通訊作者)	醫學院藥理所	Nature Communications				17.7
2023/11/14	High-spatiotemporal-resolution ultrasound flow imaging to determine cerebrovascular hemodynamics in Alzheimer's disease mice model	Hsin Huang, Pei-Ling Hsu, Sheng-Feng Tsai, Yi-Hsiang Chuang, De-Quan Chen, Guo-Xuan Xu, Chien Chen, Yu-Min Kuo, and Chih-Chung Huang*	Chih-Chung Huang (通訊作者)	工學院醫工系	Advanced Science	10	35	e2302345	17.5
2023/11/30	Reconfigurable Physical Reservoir Enabled by Polarization of Ferroelectric Polymer P(VDF-TrFE) and Interface Charge-Trapping/De-trapping in Dual-Gate IGZO Transistor	Fang-Jui Chu, Yu-Chieh Chen, Li-Chung Shih, Shi-Cheng Mao, Jen-Sue Chen	Jen-Sue Chen (通訊作者)	工學院材料系	Advanced Functional Materials			2310951	19.0
2023/12/10	Nano-Si for On-Demand H <sub>2</sub> Production: Optimization of Yield and Real-Time Visualization of Si-H <sub>2</sub> O Reaction Using Liquid-Phase Transmission Electron Microscopy	Arijit Mitra, Hsueh-Yuan Kuo, Jun-Han Huang, Gunalan Rachel, Wen-Huei Chu, Wei-Cheng Chiu, Jenn-Kun Kuo, and Chuan-Pu Liu*	Chuan-Pu Liu (通訊作者)	工學院材料系	Small		2307350		15.2
2023/12/22	Bilayered Oxide Heterostructure-Mediated Capacitance-Based Neuroplasticity Modulation for Neuromorphic Classification	Pei-En Lin, Kuan-Ting Chen, Rajneesh Chaurasiya, Hoang-Hiep Le, Chia-Hao Cheng, Darsen D. Lu, Jen-Sue Chen	Jen-Sue Chen (通訊作者)	工學院材料系	Advanced Functional Materials	33	52	2307961	19.0

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Publication Date	Article Title	Authors	成大作者 (第一或通訊)	學院	Source	Volume	Issue	Pages	Journal Impact Factor
2024/1/1	Autoantibody profiling of monoamine oxidase A knockout mice, an autism spectrum disorder model	Guan-Da Syu*, F X Reymond Sutandy, Kevin Chen, Yawei Cheng, Chien-Sheng Chen*, Jean C Shih*	Guan-Da Syu (第一作者、通訊作者), Chien-Sheng Chen (通訊作者)	生科院生科產業系、醫學院食安所	Brain, Behavior, and Immunity	107		193-200	15.1
2024/1/29	Electronic structure engineering in NiFe sulfide via a third metal doping as efficient bifunctional OER/ORR electrocatalyst for rechargeable zinc-air battery	Fitri Nur Indah Sari, Yi-Cheng Lai, Yan-Jia Huang, Xuan-Yu Wei, Hamed Pourzolfaghar, Yu-Hao Chang, Muhammad Ghufroon, Yuan-Yao Li2, Yen-Hsun Su, Oliver Clemens, Jyh-Ming Ting	Jyh-Ming Ting (通訊作者)	工學院材料系	Advanced Functional Materials			2310181	19.9
2024/2/1	Polymeric nano-formulation of spectrum selective RTK inhibitor strengthens anti-cancer effects via immune remodeling by endoplasmic reticulum stress-modulating mitochondrial metabolism	Li-Chan Chang, Yu-Cheng Chin, Ping-Ching Wu, Yu-Feng Wei, Hung-Chang Wu, Ting-Yu Cheng, Yin-Fen Liu, Chih-Chia Huang*, Wen-Pin Su*	Chih-Chia Huang, Wen-Pin Su (共同通訊作者)	理學院光電系、醫學院臨醫所	Nano Today	54			17.4