Dr. Ting-Han Lin of Chang Gung University (Update 2026/07/14)

SCI Journal Paper

2026

1. Ting-Han Lin, Yin-Hsuan Chang, Jia-Mao Chang, Ciao-Yun Huang, Kai-Chi Hsiao, Kuo-Ping Chiang, Ying-Han Liao, Kai-Hsiang Hsu, Jen-Fu Hsu, and Ming-Chung Wu*, "Unconstrained Coordination of Pt Single Atoms on Distorted g-C_3N_4 Enables Electronic Flexibility and Enhanced Microplastics Photoreforming", **2026**, ***Advanced Science***, Accepted. (▲**:0**; SCI; **14.1** at 2025; Ranking:24/250=9.6% in Chemistry, Multidisciplinary)

2. Shih-Han Huang, Ssu-Yung Chung, Fang-Chun Su, Chia-Feng Li, You-Ren Chen, Ting-Han Lin, Hou-Chin Cha, Yi-Sheng Chen, Chih-Chien Lee, Yu-Ching Huang*, and Shun-Wei Liu*, "A Defect-Engineered Vacuum Evaporation Strategy for High-Efficiency Indoor Perovskite Mini Solar Modules", **2026, *Small Methods***, e70654. (▲**:0**; SCI; **IF:8.7** at 2025; Ranking:92/472=19.5% in Materials Science, Multidisciplinary)

3. Dinh Nam Nguyen, Ting-Han Lin, Ha Thi Vu Nguyen, Ming-Chung Wu, Nguyen Xuan Duong, and Duy Linh Vu*, "High-Performance Triboelectric Nanogenerator Based on Luffa-Derived Cellulosic Porous Membrane for Sustainable Energy Harvesting", **2026, *Journal of the Taiwan Institute of Chemical Engineers***, 189, 106869. (▲**:0**; SCI; **IF:6.9** at 2025; Ranking:37/183=20.2% in Engineering, Chemical)

4. Yin-Hsuan Chang†, Ming-Chung Wu†*, Ting-Han Lin, Jia-Mao Chang, Yu-Ching Huang*, and Jer-Chyi Wang*, "Self-Precipitated Metal-Doped Titanate Nanofiber Substrates for Surface-Enhanced Raman Scattering of Organic Analytes", **2026, *Journal of the Taiwan Institute of Chemical Engineers***, 178, 106396. (▲**:1**; SCI; **IF:6.9** at 2025; Ranking:37/183=20.2% in Engineering, Chemical)

2025

5. Ming-Chung Wu*, Kai-Chi Hsiao, Chuliang Fu, Ting-Han Lin, Yin-Hsuan Chang, Yu-Ching Huang, Mu-Ping Nieh, Wei-Fang Su, and Mingda Li*, "Giant, Non-Perturbative Tuning of Light-Matter Interaction of Embedded Quantum Dots in Semiconducting Matrices", **2025**, ***Advanced Composites and Hybrid Materials***, 8, 281. (▲**:2**; SCI; **IF:15.5** at 2025; Ranking:2/35=5.7% in Materials Science, Composites)

6. Hyun Sik Moon, Yu-Jeong Yang, Getasew Mulualem Zewdi, Geon Youn, Yi-An Chen, Yu-Peng Chang, Kai-Chi Hsiao, Ting-Han Lin, Yi-Dong Lin, Jun Kue Park, Jucheol Park, Yan-Gu Lin, Ming-Chung Wu, Yung-Jung Hsu, Hyeyoung Shin*, Si-Young Choi*, and Kijung Yong*, "Tailoring Cu_3N_x Clusters on TiO_2 Nanosheets to The Sub-Nanometric Scale for Enhancing NH_3 Photosynthesis", **2025**, ***Chemical Engineering Journal***, 515, 163915. (▲**:4**; SCI; **IF:12.5** at 2025; Ranking:4/88=4.5% in Engineering, Environmental)

7. Tz-Feng Lin†, Yin-Hsuan Chang†, Ting-Hung Hsieh, Shu-Chi Lu, Ting-Han Lin, Hao-Yun Yu, and Ming-Chung Wu*, "Carbazole-Functionalized Nanocomposite Fibers for Sensitive Alcohol Vapor Detection", **2025**, ***Surface and Coatings Technology***, 518, 132883. (▲**:0**; SCI; **6.9** at 2025; Ranking:4/25=16.0% in Materials Science, Coatings & Films)

8. Priyanka Chaudhary, Dun-Heng Tan, Chia-Hsien Lee, Chun-Yu Chang, Ting-Han Lin, Ming-Chung Wu*, Wei-Fang Su, Meng-Fang Lin*, and Yu-Ching Huang*, "3D-Printed Artificial Cornea Featuring Aligned Fibrous Structure and Enhanced Mechanical Strength", **2025**, ***International Journal of Bioprinting***, 11, 598-613. (▲**:1**; SCI; **IF:5.0** at 2025; Ranking:39/130=30.0% in Engineering, Biomedical)

9. Ming-Chung Wu†*, Yin-Hsuan Chang†, Ting-Han Lin†, Chun-Yuan Wu, Jia-Mao Chang, and Yu-Jen Lu*, "Enhanced Photothermal Therapy for Tumor Ablation: Structural and Functional Insights into Bi_2Se_3 Nanosheets as Light-to-Heat Converter", **2025**, ***Discover Nano***, 20, 106. (▲**:3**; SCI; **IF:6.7** at 2025; Ranking:35/191=18.3% in Physics, Applied)

2024

10. Jia-Mao Chang, Ting-Han Lin, Kai-Chi Hsiao, Kuo-Ping Chiang, Yin-Hsuan Chang, and Ming-Chung Wu*, "Gas-Solid Phase Reaction Derived Silver Bismuth Iodide Rudorffite: Structural Insight and Exploring Photocatalytic Potential of CO_2 Reduction", **2024**, ***Advanced Science***, 11, 2309526. (▲**:15**; SCI; **IF:14.1** at 2025; Ranking:24/250=9.6% in Chemistry, Multidisciplinary)

11. Seoungjun Ahn, Wei-Hao Chiu, Wei-Chen Chu, Pei-Yu Chen, Ting-Han Lin, and Kun-Mu Lee*, "A Systematic Investigation of PVDF-HFP in Perovskite Solar Cells for Improved Space Mission Reliability", **2024**, ***Chemical Engineering Journal***, 496, 153974. (▲**:11**; SCI; **12.5** at 2025; Ranking:4/88=4.5% in Engineering, Environmental)

12. Shih-Cheng Tsao, Kuo-Hsuan Chang, Yi Fu, Han-Hsiang Tai, Ting-Han Lin, Ming-Chung Wu, and Jer-Chyi Wang*, "Heterogeneous Integration of Memristive and PiezoresistiveMDMO-PPV-Based Copolymers in NociceptiveTransmission with Fast and Slow Pain for an ArtificialPain-Perceptual System", **2024**, ***Small***, 20, 202311040. (▲**:10**; SCI; **IF:11.8** at 2025; Ranking:16/191=8.4% in Physics, Applied)

13. Jer-Chyi Wang*, Tzu-Chuan Yang, Tzu-Wei Hsu, Ping-Jung Huang, Peng-Nang Chen, Chen-Yang Tseng, Ting-Han Lin, Jia-Mao Chang, Chang-Heng Liu, Wen-Ling Yeh*, and Ming-Chung Wu*, "Self-Powered Piezoelectric Ultraviolet Photodetectors Based on TiO_2-NFs:P(VDF-TrFE) Nanocomposites via Ultraviolet-Assisted Thermal Annealing for the Prevention of Ultraviolet Overexposure", **2024, *Journal of the Taiwan Institute of Chemical Engineers***, 165, 105808. (▲**:2**; SCI; **IF:6.9** at 2025; Ranking:37/183=20.2% in Engineering, Chemical)

14. Yu-Hua Liu, Han-Hsiang Tai, Chi-An Ho, Ting-Han Lin, Ming-Chung Wu, and Jer-Chyi Wang*, "Highly Compatible and Reliable ZrN Interfacial Layer between TiN Top Electrode and Antiferroelectric ZrO_2 Thin Film to Boost the Electrocaloric Behavior", **2024**, ***Journal of the European Ceramic Society***, 44, 215-223. (▲**:5**; SCI; **IF:6.3** at 2025; Ranking:2/34=5.9% in Materials Science, Ceramics)

15. Rashmiranjan Patra, Pradeep Kumar Panda, Ting-Han Lin, Ming-Chung Wu, and Po-Chih Yang*, "Graphitic Carbon Nitride Nanosheet and Ferroelectric $PbTiO_3$ Nanoplates S-Scheme Heterostructure for Enhancing Hydrogen Production and Textile Dye Degradation", **2024**, ***Chemical Engineering Science***, 259, 120133. (▲**:21**; SCI; **IF:5.1** at 2025; Ranking:56/183=30.6% in Engineering, Chemical)

16. Kai-Chi Hsiao†, Ching-Mei Ho†, Ting-Han Lin, Shih-Hsuan Chen, Yin-Hsuan Chang, Ying-Han Liao, Jia-Mao Chang, Tz-Feng Lin*, Yu-Ching Huang*, Kun-Mu Lee*, and Ming-Chung Wu*, "Ceiling of Barium Substitution for B-Site Cation in Organometal Halide Perovskite Solar Cells", **2024**, ***International Journal of Energy Research***, 2024, 9990559. (▲**:4**; SCI; **IF:4.2** at 2025; Ranking:2/42=4.8% in Nuclear Science & Technology)

17. Ying-Han Liao†, Yin-Hsuan Chang†, Ting-Han Lin, Kun-Mu Lee, and Ming-Chung Wu*, "Recent Advances in Metal Oxide Electron Transport Layers for Enhancing the Performance of Perovskite Solar Cells", **2024**, ***Materials***, 17, 2722. (▲**:30**; SCI; **IF:3.7** at 2025; Ranking:25/97=25.8% in Metallurgy & Metallurgical Engineering)

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18. Ting-Han Lin†, Yin-Hsuan Chang†, Ting-Hung Hsieh†, Yu-Ching Huang*, and Ming-Chung Wu*, "Electrospun SnO_2/WO_3 Heterostructure Nanocomposite Fiber for Enhanced Acetone Vapor Detection", **2023**, ***Polymers***, 15, 4318. (▲**:9**; SCI; **IF:5.8** at 2025; Ranking:18/96=18.8% in Polymer Science)

19. Yin-Hsuan Chang, Ting-Hung Hsieh, Kai-Chi Hsiao, Ting-Han Lin, Kai-Hsiang Hsu*, and Ming-Chung Wu*, "Electrospun Fibrous Nanocomposite Sensing Materials for Monitoring Biomarkers in Exhaled Breath", **2023**, ***Polymers***, 15, 1833. (▲**:7**; SCI; **IF:5.8** at 2025; Ranking:18/96=18.8% in Polymer Science)

20. Ming-Chung Wu*, Yin-Hsuan Chang, Yi-Jing Lu, Kai-Chi Hsiao, Ting-Han Lin, Jia-Mao Chang, Kai-Hsiang Hsu, Jen-Fu Hsu*, and Kun-Mu Lee*, "Modulating Incident Light for Improved CO_2 Photoreduction in Freestanding Silver Bismuth Iodide/Nanocellulose Films with Exotic Gold Nanoparticles", **2023**, ***Materials Science in Semiconductor Processing***, 162, 107505. (▲**:2**; SCI; **IF:5.2** at 2025; Ranking:85/369=23.0% in Engineering, Electrical & Electronic)

2022

21. Tzu-Yi Yu, Yu-Kai Tseng, Ting-Han Lin, Tzu-Chia Wang, Yun-Hsiu Tseng, Yin-Hsuan Chang, Ming-Chung Wu*, and Wei-Fang Su*, "Effect of Cellulose Compositions and Fabrication Methods on Mechanical Properties of Polyurethane-Celluose Composites", **2022**, ***Carbohydrate Polymers***, 291, 119549. (▲**:37**; SCI; **IF:13.2** at 2025; Ranking:1/58=1.7% in Chemistry, Organic)

22. Yi-Pei Jiang†, Ming-Chung Wu†, Ting-Han Lin, Yin-Hsuan Chang, and Jer-Chyi Wang*, "Color Discrimination in Color Vision Deficiency: Photon-Assisted Piezoelectric IGZO Color-Tactile Sensors with P(VDF-TrFE)/Metal-Decorated TiO_2-Nanofibers Nanocomposites", **2022, *Advanced Materials Technologies***, 7, 2101147. (▲**:5**; SCI; **IF:6.0** at 2025; Ranking:144/472=30.5% in Materials Science, Multidisciplinary)

23. Tzu-Yi Yu, Yun-Hsiu Tseng, Chun-Chieh Wang, Ting-Han Lin, Ming-Chung Wu, Cheng-Si Tsao*, and Wei-Fang Su*, "Three Level Hierarchical 3D Network Formation and Structure Elucidation of Wet Hydrogel of Tunable-High-Strength Nanocomposite", **2022**, ***Macromolecular Materials and Engineering***, 307, 2100871. (▲**:5**; SCI; **IF:5.2** at 2025; Ranking:22/96=22.9% in Polymer Science)

2021-

24. Kai-Chi Hsiao, Bo-Ting Lee, Meng-Huan Jao, Ting-Han Lin, Cheng-Hung Hou, Jing-Jong Shyue, Ming-Chung Wu, and Wei-Fang Su*, "Chloride Gradient Render Carrier Extraction of Hole Transport Layer for High V_{oc} and Efficient Inverted Organometal Halide Perovskite Solar Cell", **2021**, ***Chemical Engineering Journal***, 409, 128100. (▲**:16**; SCI; **12.5** at 2025; Ranking:4/88=4.5% in Engineering, Environmental)

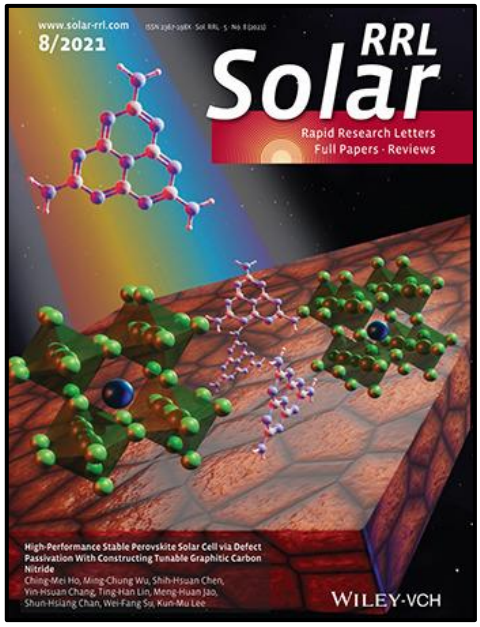
25. Ting-Han Lin, Ming-Chung Wu*, Yen-Ting Lin, Chi-Hui Tsao, Yin-Hsuan Chang, Kuo-Ping Chiang, Yu-Ting Huang, and Yu-Jen Lu*, "Solar-Triggered Photothermal Therapy for Tumor Ablation by Ag Nanoparticles Self-Precipitated on Structural Titanium Oxide Nanofibers", **2021**, ***Applied Surface Science***, 552, 149428. (▲**:11**; SCI; **IF:6.6** at 2025; Ranking:37/191=19.4% in Physics, Applied)

26. Tzu-Chuan Yang, Yi-Pei Jiang, Ting-Han Lin, Shih-Hsuan Chen, Ching-Mei Ho, Ming-Chung Wu, and Jer-Chyi Wang*, "N-Butylamine-Modified Graphite Nanoflakes Blended in Ferroelectric P(VDF-TrFE) Copolymers for Piezoelectric Nanogenerators with High Power Generation Efficiency", **2021**, ***European Polymer Journal***, 159, 110754. (▲**:6**; SCI; **IF:6.8** at 2025; Ranking:10/96=10.4% in Polymer, Science)

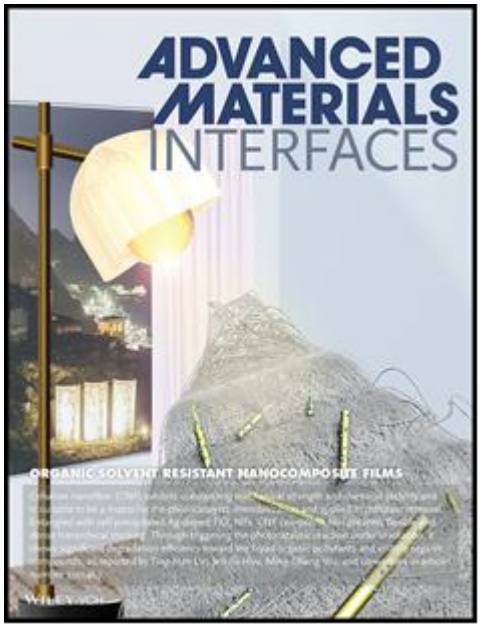
27. Jer-Chyi Wang*, Rajat Subhra Karmakar, Ting-Han Lin, Ming-Chung Wu*, and Kuo-Hsuan Chang*, "Reaction-Inhibited Interfacial Coating Between PEDOT:PSS Sensing Membrane and ITO Electrode for Highly-Reliable Piezoresistive Pressure Sensing Applications", **2021, *Journal of the Taiwan Institute of Chemical Engineers***, 126, 297-306. (▲**:6**; SCI; **IF:6.9** at 2025; Ranking:37/183=20.2% in Engineering, Chemical)

28. Ting-Han Lin†, Ming-Chung Wu*†, Kou-Ping-Chiang, Yin-Hsuan Chang, Jen-Fu Hsu, Kai-Hsiang Hsu*, and Kun-Mu Lee*, "Unveiling the Surface Precipitation Effect of Ag Ions in Ag-Doped TiO_2 Nanofibers Synthesized by One-Step Hydrothermal Method for Photocatalytic Hydrogen Production", **2021,** ***Journal of the Taiwan Institute of Chemical Engineers***, 120, 291-299. (▲**:16**; SCI; **IF:6.9** at 2025; Ranking:37/183=20.2% in Engineering, Chemical)

29. Ching-Mei Ho†, Ming-Chung Wu*†, Shih-Hsuan Chen, Yin-Hsuan Chang, Ting-Han Lin, Meng-Huan Jao, Shun-Hsiang Chan, Wei-Fang Su, and Kun-Mu Lee*, "High-Performance Stable Perovskite Solar Cell via Defect Passivation with Constructing Tunable Graphitic Carbon Nitride", **2021**, ***Solar RRL***, 5, 2100257. (▲**:18**; SCI; **IF:4.8** at 2025; Ranking:182/472=38.6% in Materials Science, Multidisciplinary) **(Selected as an inside back cover of Solar RRL!!)**



30. Ting-Han Lin, Yu-Han Liao, Kun-Mu Lee, Yin-Hsuan Chang, Kai-Hsiang Hsu, Jen-Fu Hsu*, and Ming-Chung Wu*, "Organic Solvent Resistant Nanocomposite Films Made form Self-Precipitated Ag/TiO_2 Nanofibers and Cellulose Nanofiber for Harmful Volatile Organic Compounds Photodegradation", **2021**, ***Advanced Materials Interfaces***, 8, 2101467. (▲**:10**; SCI; **IF:4.5** at 2025; Ranking:95/250=38.0% in Chemistry, Multidisciplinary) **(Selected as a frontispiece of Advanced Materials Interfaces!!)**



31. Ting-Han Lin, Yin-Hsuan Chang, Kuo-Ping Chiang, Jer-Chyi Wang*, and Ming-Chung Wu*, "Nanoscale Multidimensional Pd/TiO_2/g-C_3N_4 Catalyst for Efficient Solar-Driven Photocatalytic Hydrogen Production", **2021**, ***Catalysts***, 11, 59. (▲**:21**; SCI; **IF:4.5** at 2025; Ranking:81/191=42.4% in Chemistry, Physical)

2020-

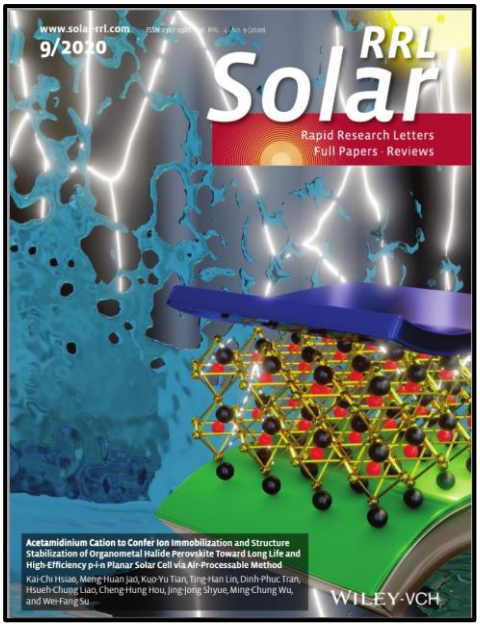
32. Ying-Han Liao, Yin-Hsuan Chang, Ting-Han Lin, Shun-Hsiang Chan, Kun-Mu Lee, Kai-Hsiang Hsu, Jen-Fu Hsu*, and Ming-Chung Wu*, "Boosting the Power Conversion Efficiency of Perovskite Solar Cells Based on Sn Doped TiO_2 Electron Extraction Layer via Modification the TiO_2 Phase Junction", **2020,** ***Solar Energy***, 205, 390-398. (▲**:17**; SCI; **IF:7.9** at 2025; Ranking:50/191=26.2% in Energy & Fuels)

33. Duy Linh Vu, Tz-Feng Lin, Ting-Han Lin, and Ming-Chung Wu*, "Highly-Sensitive Detection of Volatile Organic Compounds Vapor by Electrospun PANI/P3TI/PMMA Fibers", **2020**, ***Polymers***, 12, 455. (▲**:13**; SCI; **IF:5.8** at 2025; Ranking:18/96=18.8% in Polymer Science)

34. Kai-Chi Hsiao, Meng-Huan Jao, Kuo-Yu Tian, Ting-Han Lin, Dinh-Phuc Tran, Hsueh-Chung Liao, Cheng-Hung Hou, Jing-Jong Shyue, Ming-Chung Wu, and Wei-Fang Su*, "Acetamidinium Cation to Confer Ion Immobilization and Structure Stabilization of Organometal Halide Perovskite Toward Long Life and High-Efficiency p-i-n Planar Cell via Air-Processable Method", **2020**, ***Solar RRL***, 4, 2000197. (▲**:18**; SCI; **IF:4.8** at 2025; Ranking:182/472=38.6% in Materials Science, Multidisciplinary) **(Selected as a inside front cover of Solar RRL!!)**

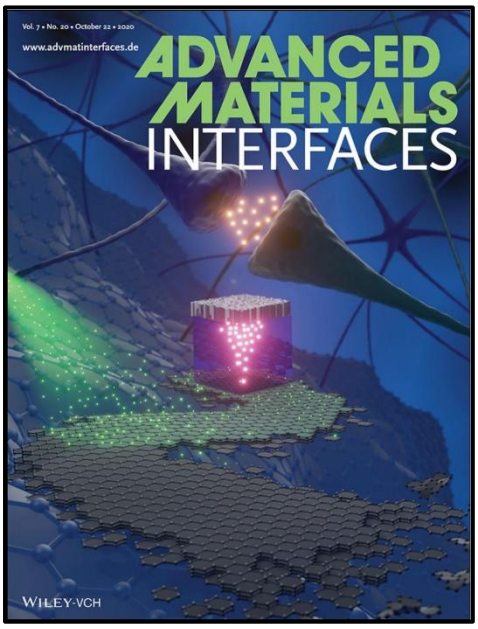
35. Yi-Pei Jiang, Tzu-Chuan Yang, Ting-Han Lin, Ching-Mei-Ho, Shun-Hsiang Chan, Ming-Chung Wu, and Jer-Chyi Wang*, "Layer-Dependent Solvent Vapor Annealing on Stacked Ferroelectric P(VDF-TrFE) Copolymers for Highly Efficient Nanogenerator Applications", **2020**, ***Polymer***, 204, 122822. (▲**:8**; SCI; **IF:5.1** at 2025; Ranking:24/96=25.0% in Polymer Science)

36. Ya-Ting Chan, Yi Fu, Feng-Yu Wu, Ho-Wei Wang, Ting-Han Lin, Shun-Hsiang Chan, Ming-Chung Wu, and Jer-Chyi Wang*, "Compacted Self-Assembly Graphene with Hydrogen Plasma Surface Modification for Robust Artificial Electronic Synapses of Gadolinium Oxide Memristors", **2020**, ***Advanced Materials Interfaces***, 7, 2000860. (▲ **:9**; SCI; **IF:4.5** at 2025; Ranking:95/250=38.0% in Chemistry, Multidisciplinary) **(Selected as an inside front cover cover of Advanced Materials Interfaces!!)**



2019-

37. Ming-Chung Wu*, Chi-Hung Lin, Ting-Han Lin, Shun-Hsiang Chan, Yin-Hsuan Chang, Tz-Feng Lin, Ziming Zhou, Kai Wang, and Chao-Sung Lai*, "Ultrasensitive Detection of Volatile Organic Compounds by Freestanding Aligned Ag/CdSe-CdS/PMMA Texture with Double-Sild UV-Ozone Treatment", **2019**, ***ACS Applied Materials & Interfaces***, 11, 34454-34462. (▲**:12**; SCI; **IF:7.8** at 2025; Ranking:106/472=22.5% in Materials Science, Multidisciplinary)



38. Ming-Chung Wu*, Ting-Han Lin, Kai-Hsiang Hsu, and Jen-Fu Hsu*, "Photo-Induced Disinfection Property and Photocatalytic Activity Based on the Synergistic Catalytic Technique of Ag Doped TiO_2 Nanofibers", **2019**, ***Applied Surface Science***, 484, 326-334. (▲**:55**; SCI; SCI; **IF:6.6** at 2025; Ranking:37/191=19.4% in Physics, Applied)

39. Ming-Chung Wu*, Wei-Kang Huang, Ting-Han Lin, and Yu-Jen Lu*, "Photocatalytic Hydrogen Production and Photodegradation of Organic Dyes of Hydrogenated TiO_2 Nanofibers Decorated Metal Nanoparticles", **2019**, ***Applied Surface Science***, 469, 34-43. (▲**:29**; SCI; **IF:6.6** at 2025; Ranking:37/191=19.4% in Physics, Applied)

40. Duy Linh Vu, Yi-Ying Li, Ting-Han Lin, and Ming-Chung Wu*, "Fabrication and Humidity Sensing Property of UV/Ozone Treated PANI/PMMA Electrospun Fibers", **2019**, ***Journal of the Taiwan Institute of Chemical Engineers***, 99, 250-257. (▲**:16**; SCI; **IF:6.9** at 2025; Ranking:37/183=20.2% in Engineering, Chemical)

41. Kai-Chi Hsiao, Meng-Huan Jao, Bo-Ting Lee, Ting-Han Lin, Hsuen-Chung Stan Liao, Ming-Chung Wu, and Wei-Fang Su*, "Enhancing Efficiency and Stability of Hot Casting p-i-n Perovskite Solar Cell via Dipolar Ion Passivation", **2019**, ***ACS Applied Energy Materials***, 2, 4821-4832. (▲**:63**; SCI; **IF:5.5** at 2024; Ranking:135/460=29.3% in Materials Science, Multidisciplinary)

2018-

42. Ming-Chung Wu*, Po-Yeh Wu, Ting-Han Lin, and Tz-Feng Lin, "Photocatalytic Performance of Cu-Doped TiO_2 Nanofibers Treated by the Hydrothermal Synthesis and Air-Thermal Treatment", **2018**, ***Applied Surface Science***, 430, 390-398. (▲**:99**; SCI; **IF:6.6** at 2025; Ranking:37/191=19.4% in Physics, Applied)

43. Ming-Chung Wu*, Ming-Pin Lin, Ting-Han Lin, and Wei-Fang Su, "Ag/SiO_2 Surface-Enhanced Raman Scattering Substrate for Plasticizer Detection", **2018**, ***Japanese Journal of Applied Physics***, 57, 04FM07. (▲**:10**; SCI; **IF:1.8** at 2024; Ranking:138/187=73.8% in Physics, Applied)

2017-

44. Ming-Chung Wu*, Ching-Hsiang Chen, Wei-Kang Huang, Kai-Chi Hsiao, Ting-Han Lin, Shun-Hsiang Chan, Po-Yeh Wu, Chun-Fu Lu, Yin-Hsuan Chang, Tz-Feng Lin, Kai-Hsiang Hsu, Jen-Fu Hsu, Kun-Mu Lee, Jing-Jong Shyue, Krisztian Kordas, and Wei-Fang Su, "Improved Solar-Driven Photocatalytic Performance of Highly Crystalline Hydrogenated TiO_2 Nanofibers with Core-Shell Structure", **2017**, ***Scientific Reports***, 7, 40896. (▲**:54**; SCI; **IF:3.9** at 2024; Ranking:25/135=18.5% in Multidisciplinary Science)

45. Kun-Mu Lee*, Chuan-Jung Lin, Yin-Hsuan Chang, Ting-Han Lin, Vembu Suryanarayanan, and Ming-Chung Wu*, "The Effect of Post-Baking Temperature and Thickness of ZnO Electron Transport Layer for Efficient Planar Heterojunction Organometal-Trihalide Perovskite Solar Cells", **2017**, ***Coatings***, 7, 215-226. (▲**:7**; SCI; **IF:2.8** at 2024; Ranking:87/187=46.5% in Physics, Applied)

46. Ming-Chung Wu*, Yin-Hsuan Chang, and Ting-Han Lin, "Bismuth Doping Effect on Crystal Structure and Photodegradation Activity of Bi-TiO_2 Nanoparticles", **2017**, ***Japanese Journal of Applied Physics***, 56, 04CJ01. (▲**:3**; SCI; **IF:1.8** at 2024; Ranking:138/187=73.8% in Physics, Applied)

47. Ming-Chung Wu*, Ting-Han Lin, Jyun-Sian Chih, Kai-Chi Hsiao, and Po-Yeh Wu, "Niobium Doping Induced Morphological Changes and Enhanced Photocatalytic Performance of Anatase TiO_2", **2017**, ***Japanese Journal of Applied Physics***, 56, 04CP07. (▲**:14**; SCI; **IF:1.8** at 2024; Ranking:138/187=73.8% in Physics, Applied)

2016-

48. Ming-Chung Wu*, Wei-Cheng Chen, Ting-Han Lin, Kai-Chi Hsiao, Kun-Mu Lee*, and Chun-Guey Wu*, "Enhanced Open-Circuit Voltage of Dye-Sensitized Solar Cells Using Bi-Doped TiO_2 Nanofibers as Working Electrode and Scattering Layer", **2016**, ***Solar Energy***, 135, 22-28. (▲**:24**; SCI; **IF:7.9** at 2025; Ranking:50/191=26.2% in Energy & Fuels)

2015-

49. Ming-Chung Wu*, Shun-Hsiang Chan, and Ting-Han Lin, "Fabrication and Photocatalytic Performance of Electrospun PVA/Silk/TiO_2 Nanocomposite Textile", **2015**, ***Functional Materials Letters***, 8, 1540013. (▲**:15**; SCI; **IF:1.1** at 2024; Ranking:393/460=85.4% in Materials Science, Multidisciplinary)

2014

50. Ming-Chung Wu*, Hseuh-Chung Liao, Yu-Cheng Cho, Che-Pu Hsu, Ting-Han Lin, Wei-Fang Su, Andras Sapi, Akos Kukovecz, Zoltan Konya, Andrey Shchukarev, Anjana Sarkar, William Larsson, Jyri-Pekka Mikkola, Melinda Mohl, Geza Toth, Heli Jantunen, Anna Valtanen, Mika Huuhtanen, Riitta L. Keiski, and Krisztian Kordas, "Photocatalytic Activity of Nitrogen Doped TiO_2-Based Nanowires: A Photo-Assisted Kelvin Probe Force Microscopy Study", **2014**, ***Journal of Nanoparticle Research***, 16, 1-11. (▲**:14**; SCI; **IF:2.6** at 2024; Ranking:118/239=49.4% in Chemistry, Multidisciplinary)