

## Dr. Ting-Han Lin of Chang Gung University (Update 2026/05/29)

### International Conference Papers List

#### 2026-

1. Pin-Hsuan Yeh, Jia-Mao Chang, Yin-Hsuan Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Cu-Doping Induces Sulfur Vacancies in SnS<sub>2</sub> Nanosheets for Synergistic Antibiotic Degradation and CO<sub>2</sub> Reduction", **2026 JSAP The 73<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2026)**, Mar. 15-18, Tokyo, Japan. (Oral Presentation)
2. Pei-Hsuan Lu, Jia-Mao Chang, Yin-Hsuan Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Photoreforming of Plastic Waste to Hydrogen Using Single-Atom Anchored Pt Decorated Graphitic Carbon Nitride", **2026 JSAP The 73<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2026)**, Mar. 15-18, Tokyo, Japan. (Oral Presentation)
3. Chen-Yang Tseng, Tzu-Chuan Yang, [Ting-Han Lin](#), Karthekeyan Periasamy, Ming-Chung Wu, and Jer-Chyi Wang\*, "Self-Powered Ultra-Violet Index Detection Using TiO<sub>2</sub>-NFs-blended P(VDF-TrFE) Piezoelectric Nanogenerators", **2026 JSAP The 73<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2026)**, Mar. 15-18, Tokyo, Japan. (Oral Presentation)

#### 2025-

4. Ming-Chung Wu\*, Kai-Chi Hsiao, Chu-Liang Fu, [Ting-Han Lin](#), Yin-Hsuan Chang, Yu-Ching Huang, Mu-Ping Nieh, Wei-Fang Su, and Mingda Li, "Giant Light-Matter Interaction Modulation via Semiconducting Matrix-Driven Quantum Dot Coupling", **2025 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2025)**, No. 30-Dec. 5, Boston, Massachusetts, United States of America.
5. [Ting-Han Lin](#), Jia-Mao Chang, Yin-Hsuan Chang, and Ming-Chung Wu\*, "Synergistic Integration of Carbonized Cellulose Nanofibers and Sulfur-Deficient Tin Disulfide Photocatalyst Sheets for Enhanced Floatable Heterogeneous CO<sub>2</sub> Photoreduction", **2025 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2025)**, No. 30-Dec. 5, Boston, Massachusetts, United States of America.
6. Yin-Hsuan Chang, [Ting-Han Lin](#), Jia-Mao Chang, Kuo-Ping Chiang, and Ming-Chung Wu\*, "Photo-Assisted Kelvin Probe Force Microscopy for Probing Photoinduced Electronic Properties in CO<sub>2</sub> Photoreduction Materials", **2025 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2025)**, No. 30-Dec. 5, Boston, Massachusetts, United States of America. (Oral Presentation)
7. Jia-Mao Chang, [Ting-Han Lin](#), Yin-Hsuan Chang, and Ming-Chung Wu\*, "Floatable Hybrid Photothermal-Photocatalyst Sheet for Highly Selective Solar-Driven CO<sub>2</sub> to CH<sub>4</sub> via the Integration of Topological Bi<sub>2</sub>Se<sub>3</sub> and ZnIn<sub>2</sub>S<sub>4</sub> Photocatalysts", **2025 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2025)**, No. 30-Dec. 5, Boston, Massachusetts, United States of America. (Best Poster Award Nominee)
8. Hong-Yi Lin, Kai-Chi Hsiao, [Ting-Han Lin](#), Kun-Mu Lee, and Ming-Chung Wu\*, "Chelating Molecule-Assisted Interface Engineering for Enhanced Efficiency and Stability of Perovskite Solar Cells", **2025 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2025)**, No. 30-Dec. 5, Boston, Massachusetts, United States of America.
9. Yen-Chang Chen, [Ting-Han Lin](#), Yi-Ming Yu, and Ming-Chung Wu\*, "Engineering Barium Substitution for Lead-Reduction Strategies in Perovskite Solar Cells", **2025 NHSC The 14<sup>th</sup> Aseanian Conference on Nano Hybrid Solar Cells (NHSC 2025)**, Nov. 23-25, Hsinchu, Taiwan.
10. Ming-Chung Wu\*, Yin-Hsuan Chang, [Ting-Han Lin](#), Kai-Chi Hsiao, and Jia-Mao Chang, "Ultrasensitive Detection of Organic Analytes Using Self-Precipitated Au-Titanate Nanofiber SERS Substrates", **2025 IEDMS International Electron Devices & Materials Symposium (IEDMS 2025)**, Oct. 30-31, Hsinchu, Taiwan.

11. Hong-Yi Lin, Kai-Chi Hsiao, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Chelating Molecule-Mediated Interface Passivation in Defective Perovskites: A DFT Study on Carrier Recombination Suppression", **2025 IEDMS International Electron Devices & Materials Symposium (IEDMS 2025)**, Oct. 30-31, Hsinchu, Taiwan. **(Oral Presentation)**
12. Yen-Chang Chen, [Ting-Han Lin](#), Jia-Mao Chang, Kuo-Ping Chiang, and Ming-Chung Wu\*, "Engineering BaTiO<sub>3</sub>/Ag-Doped TiO<sub>2</sub> Heterostructures for Synergistically Enhanced Piezo-Photocatalytic CO<sub>2</sub> Reduction", **2025 IEDMS International Electron Devices & Materials Symposium (IEDMS 2025)**, Oct. 30-31, Hsinchu, Taiwan. **(Oral Presentation)**
13. Jia-Mao Chang, [Ting-Han Lin](#), Yin-Hsuan Chang, and Ming-Chung Wu\*, "Floatable Photothermal-Photocatalyst Sheet for Highly Selective Solar-Driven Carbon Dioxide to Methane Conversion", **2025 SDSE 3<sup>rd</sup> International Conference on Smart Devices and Sustainable Energy (SDSE 2025)**, Oct. 15-17, New Taipei, Taiwan.
14. Hong-Yi Lin, Yueh-Lin Lin, Kai-Chi Hsiao, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Density Functional Theory Analysis of Chelating Molecule Passivation in Defective Perovskites: Implications for Efficiency Enhancement", **2025 SDSE 3<sup>rd</sup> International Conference on Smart Devices and Sustainable Energy (SDSE 2025)**, Oct. 15-17, New Taipei, Taiwan. **(Excellent Poster Award)**
15. Ying-Han Liao, Ze-Han Wu, Jia-Mao Chang, Yin-Hsuan Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Bismuth Selenide/Silver Bismuth Iodide 2D/2D Heterostructure for Photocatalytic Carbon Dioxide Reduction", **2025 WMC, WMS & IUMRS-ICA The 3<sup>rd</sup> World Materials Conference, The 9<sup>th</sup> World Materials Summit & International Union of Materials Research Societies International Conference in Asia (IUMRS-ICA 2025)**, Oct. 14-17, Guilin, China. **(High Level Poster Presentation)**
16. Ming-Chung Wu\*, Yin-Hsuan Chang, [Ting-Han Lin](#), Jia-Mao Chang, and Ying-Han Liao, "Designing High Efficiency CO<sub>2</sub> Reduction Photocatalysts-Insights from a Photo-Assisted Kelvin Probe Force Microscopy Study", **2025 E-MRS European Materials Research Society Fall Meeting (E-MRS 2025)**, Sep. 15-18, Warsaw, Poland.
17. Ming-Chung Wu\*, Yin-Hsuan Chang, [Ting-Han Lin](#), Jia-Mao Chang, and Ying-Han Liao, "Designing High Efficiency CO<sub>2</sub> Reduction Photocatalysts-Insights from a Photo-Assisted Kelvin Probe Force Microscopy Study", **2025 E-MRS European Materials Research Society Fall Meeting (E-MRS 2025)**, Sep. 15-18, Warsaw, Poland.
18. Yin-Hsuan Chang, Shun-Hsiang Chan, Shih-Hsuan Chen, Kai-Chi-Hsiao, [Ting-Han Lin](#), Ying-Han Liao, Hong-Yi Lin, and Ming-Chung Wu\*, "Exploring the Maximum Barium Substitution at the Perovskite B-Site: Structural and Photovoltaic Implications in Hybrid Halide Perovskite Solar Cells", **2025 E-MRS European Materials Research Society Fall Meeting (E-MRS 2025)**, Sep. 15-18, Warsaw, Poland.
19. Ming-Chung Wu\*, Yin-Hsuan Chang, [Ting-Han Lin](#), and Jia-Mao Chang, "Revealing Photocatalytic Efficiency with Photo-Assisted Kelvin Probe Force Microscopy", **2025 GCIM The 3<sup>rd</sup> Global Conference of Innovation Materials & MRS-K Spring Meeting (GCIM 2025)**, June. 16-19, Jeju, South Korea.
20. Jia-Mao Chang, [Ting-Han Lin](#), Yin-Hsuan Chang, and Ming-Chung Wu\*, "Achieving High Selectivity for CO<sub>2</sub> Reduction to CH<sub>4</sub> through Photothermal-Photocatalysis with Topological Bi<sub>2</sub>Se<sub>3</sub> and ZnIn<sub>2</sub>S<sub>4</sub> Photocatalysts", **2025 GCIM The 3<sup>rd</sup> Global Conference of Innovation Materials & MRS-K Spring Meeting (GCIM 2025)**, June. 16-19, Jeju, South Korea. **(Best Poster Award)**
21. Hong-Yi Lin, [Ting-Han Lin](#), Kai-Chi Hsiao, Shu-Chi Lu, and Ming-Chung Wu\*, "Strategic Passivation of Perovskite Layer Interfaces Using Multiple Functional Groups to Enhance Photovoltaic Performance", **2025 GCIM The 3<sup>rd</sup> Global Conference of Innovation Materials & MRS-K Spring Meeting (GCIM 2025)**, June. 16-19, Jeju, South Korea.

22. [Ting-Han Lin](#), Jia-Mao Chang, Yu-Chi Peng, Yen-Chang Chen, Yin-Hsuan Chang, Kun-Mu Lee, and Ming-Chung Wu\*, "Enhanced Hydrogen Production via Synergistic Photo-Piezocatalysis in BaTiO<sub>3</sub>/ZnIn<sub>2</sub>S<sub>4</sub> Heterostructures", **2025 JSAP The 72<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2025)**, Mar. 14-17, Tokyo, Japan.
23. Yin-Hsuan Chang, [Ting-Han Lin](#), Jia-Mao Chang, Ciao-Yun Huang, and Ming-Chung Wu\*, "Graphitic Carbon Nitride Nanosheets with Single-Atom Platinum for Efficient Hydrogen Generation via Plastic Photoreforming", **2025 JSAP The 72<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2025)**, Mar. 14-17, Tokyo, Japan.
24. Jia-Mao Chang, [Ting-Han Lin](#), Yin-Hsuan Chang, and Ming-Chung Wu\*, "Achieving High Selectivity for CO<sub>2</sub> Reduction to CH<sub>4</sub> through Photothermal-Photocatalysis with Topological Bi<sub>2</sub>Se<sub>3</sub> and ZnIn<sub>2</sub>S<sub>4</sub> Photocatalysts", **2025 JSAP The 72<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2025)**, Mar. 14-17, Tokyo, Japan.

## 2024-

25. Ming-Chung Wu\*, [Ting-Han Lin](#), Jia-Mao Chang, Yin-Hsuan Chang, and Ying-Han Liao, "Designing High-Efficiency Photocatalysts—Insights from a Photo-Assisted Kelvin Probe Force Microscopy Study", **2024 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2024)**, Dec. 1-6, Boston, Massachusetts, United States of America.
26. [Ting-Han Lin](#), Jia-Mao Chang, Yu-Chi Peng, Yen-Chang Chen, Yin-Hsuan Chang, Kun-Mu Lee, and Ming-Chung Wu\*, "Synergistic Enhancement of Hydrogen Production through Photo-Piezocatalytic BaTiO<sub>3</sub>/ZnIn<sub>2</sub>S<sub>4</sub> Heterostructures", **2024 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2024)**, Dec. 1-6, Boston, Massachusetts, United States of America.
27. Jia-Mao Chang, [Ting-Han Lin](#), Yin-Hsuan Chang, and Ming-Chung Wu\*, "Synergistic Photothermal and Photocatalytic Reduction of Carbon Dioxide to Methane via the Integration of Topological Bismuth Selenide and Zinc Indium Sulfide Photocatalysts", **2024 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2024)**, Dec. 1-6, Boston, Massachusetts, United States of America. **(Best Poster Award Nominee)**
28. Ming-Chung Wu\*, Ying-Hann Liao, Shun-Hsiang Chan, Shih-Hsuan Chen, Yuan-Yu Chiu, Yin-Hsuan Chang, [Ting-Han Lin](#), and Kun-Mu Lee, "Predicting the Quality of Photovoltaic Materials in Lead-Reduced Perovskite Solar Cells Using Photo-Assisted Kelvin Probe Force System", **2024 PVSEC-35 The 35<sup>rd</sup> International Photovoltaic Science and Engineering Conference (PVSEC-35 2024)**, Nov. 10-15, Numazu, Japan.
29. Hong-Yi Lin, Kai-Chi Hsiao, [Ting-Han Lin](#), Kun-Mu Lee, and Ming-Chung Wu\*, "Enhancing the Photovoltaic Conversion Efficiency of Perovskite Solar Cells through Interface Engineering Using Chelating Molecules", **2024 PVSEC-35 The 35<sup>rd</sup> International Photovoltaic Science and Engineering Conference (PVSEC-35 2024)**, Nov. 10-15, Numazu, Japan. **【BMRPC74】**
30. Shu-Chi Lu, [Ting-Han Lin](#), Kun-Mu Lee, Tz-Feng Lin, and Ming-Chung Wu\*, "Enhancement of Power Conversion Efficiency and Stability in Perovskite Solar Cells Using Long Carbon Chain Carbazole Derivatives", **2024 PVSEC-35 The 35<sup>rd</sup> International Photovoltaic Science and Engineering Conference (PVSEC-35 2024)**, Nov. 10-15, Numazu, Japan. **【NSTC-113-2922-I-182-029】**
31. Kuo-Ping Chiang, Jia-Mao Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Novel Nanoscale Silver Bismuth Iodide Co-Catalysts on Titanium Dioxide Nanofibers for Enhanced Photocatalytic CO<sub>2</sub> Reduction", **2024 SDSE 2<sup>nd</sup> International Conference on Smart Devices and Sustainable Energy (SDSE 2024)**, Oct. 16-18, New Taipei, Taiwan.

32. Hong-Yi Lin, Shu-Chi Lu, Kai-Chi Hsiao, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Strategic Passivation of Perovskite Layer Interfaces Using Multiple Functional Groups to Enhance Photovoltaic Performance", **2024 SDSE 2<sup>nd</sup>International Conference on Smart Devices and Sustainable Energy (SDSE 2024)**, Oct. 16-18, New Taipei, Taiwan. **(Honorable Mentions)**
33. Jia-Mao Chang, [Ting-Han Lin](#), Yin-Hsuan Chang, and Ming-Chung Wu\*, "Synergistic CO<sub>2</sub>-to-CH<sub>4</sub> Conversion via Photothermal and Photocatalytic Integration of Topological Bi<sub>2</sub>S<sub>3</sub> and ZnInS Photocatalysts", **2024 SDSE 2<sup>nd</sup>International Conference on Smart Devices and Sustainable Energy (SDSE 2024)**, Oct. 16-18, New Taipei, Taiwan. **(Honorable Mentions)**
34. Yen-Chang Chen, [Ting-Han Lin](#), Jia-Mao Chang, Kuo-Ping Chiang, and Ming-Chung Wu\*, "Construction of BaTiO<sub>3</sub>/Ag-Doped TiO<sub>2</sub> Heterostructures to Enhance Carbon Dioxide Reduction Reaction via Synergistic Piezo-Photocatalysis", **2024 SDSE 2<sup>nd</sup>International Conference on Smart Devices and Sustainable Energy (SDSE 2024)**, Oct. 16-18, New Taipei, Taiwan. **(Second Award)**
35. Hao-Yun Yu, Ting-Hung Hsieh, Yin-Hsuan Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Advanced Fibrous Sensing Materials for Non-Invasive Detection of Acetone Vapor and CO<sub>2</sub> Gas via Electrospinning Technique ", **2024 SDSE 2<sup>nd</sup>International Conference on Smart Devices and Sustainable Energy (SDSE 2024)**, Oct. 16-18, New Taipei, Taiwan.
36. Yin-Hsuan Chang, Ciao-Yun Huang, [Ting-Han Lin](#), Jia-Mao Chang, and Ming-Chung Wu\*, "Single-Atom Platinum Anchored Graphitic Carbon Nitride Nanosheets for Photoreforming Plastic to Hydrogen", **2024 JSAP The 85<sup>th</sup> Japan Society of Applied Physics Autumn Meeting (JSAP 2024)**, Sep. 16-20, Niigata, Japan. **(Oral Presentation)**
37. Kuo-Ping Chiang, Jia-Mao Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Novel Nanoscale Silver Bismuth Iodide Co-Catalyst on Titanium Dioxide Nanofibers for Enhanced Photocatalytic CO<sub>2</sub> Reduction", **2024 JSAP The 85<sup>th</sup> Japan Society of Applied Physics Autumn Meeting (JSAP 2024)**, Sep. 16-20, Niigata, Japan. **【BMRPC74】**
38. Yen-Chang Chen, [Ting-Han Lin](#), Kuo-Ping Chiang, Jia-Mao Chang, and Ming-Chung Wu\*, "Boosting CO<sub>2</sub> Reduction Reaction via Synergistic Photo-Piezocatalysis in Ag-Doped BaTiO<sub>3</sub>/TiO<sub>2</sub> Heterostructures", **2024 JSAP The 85<sup>th</sup> Japan Society of Applied Physics Autumn Meeting (JSAP 2024)**, Sep. 16-20, Niigata, Japan. **(Oral Presentation)**
39. Tzu-Chuan Yang, Tzu-Wei Hsu, [Ting-Han Lin](#), Ming-Chung Wu, and Jer-Chi Wang\*, "High Efficient Piezoelectric Nanogenerators with TiO<sub>2</sub>-NFs-Doped P(VDF-TrFE) Copolymers via Ultraviolet Thermal Annealing", **2024 JSAP The 85<sup>th</sup> Japan Society of Applied Physics Autumn Meeting (JSAP 2024)**, Sep. 16-20, Niigata, Japan. **(Oral Presentation)**
40. Yin-Hsuan Chang, [Ting-Han Lin](#), Kai-Chi Hsiao, Jia-Mao Chang, Ying-Han Liao, and Ming-Chung Wu\*, "Surface-Enhanced Raman Scattering Detection Platform by Using Self-Precipitation Au Nanoparticles on TiO<sub>2</sub> Nanofibers", **2024 E-MRS European Materials Research Society Spring Meeting (E-MRS 2024)**, May. 27-31, Strasbourg, France.
41. Ming-Chung Wu\*, Shih-Hsuan Chen, Shun-Hsiang Chan, Yuan-Yu Chiu, [Ting-Han Lin](#), Yin-Hsuan Chang, Ying-Han Liao, and Ku-Mun Lee\*, "Lead-Reduced Halide Perovskite Solar Cells-Predicting the Quality of Photovoltaic Materials with Photo-Assisted Kelvin Probe Force System", **2024 IC ME&D he 34th International Conference on Molecular Electronics and Devices (IC ME&D 2024)**, May. 9-10, Pohang, Korea.
42. Yin-Hsuan Chang, [Ting-Han Lin](#), Kai-Chi Hsiao, Jia-Mao Chang, and Ming-Chung Wu\*, "A Facile Platform for Surface-Enhanced Raman Scattering Detection by Self-Precipitation Au Nanoparticles on TiO<sub>2</sub> Nanofibers", **2024 JSAP The 71<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2024)**, Mar. 22-25, Tokyo, Japan. **(Oral Presentation)**

43. Ze-Han Wu, Jia-Mao Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Construction of 2D/2D Bi<sub>2</sub>Se<sub>3</sub>/SBI Topological Heterostructure for Photocatalytic Degradation of Organic Pollutants", **2024 JSAP The 71<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2024)**, Mar. 22-25, Tokyo, Japan.
44. Wei-Zhe Lin, Kai-Chi Hsiao, [Ting-Han Lin](#), Kuo-Ping Chiang, and Ming-Chung Wu\*, "Development of Heat-Resistant Naphthalene-Based Epoxy Resin with Ag-TiO<sub>2</sub> Nanocomposite for Enhanced Surface Hydrophilicity in Coatings", **2024 JSAP The 71<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2024)**, Mar. 22-25, Tokyo, Japan.
45. Hong-Yi Lin, Kai-Chi Hsiao, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Enhancing the Power Conversion Efficiency of Perovskite Solar Cells through A Chelating Molecules-Based Strategy", **2024 JSAP The 71<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2024)**, Mar. 22-25, Tokyo, Japan. **(Oral Presentation)**
46. Yen-Chang Chen, [Ting-Han Lin](#), Jia-Mao Chang, and Ming-Chung Wu\*, "Enhanced Photo-Piezocatalytic Performance through Synergistic Effects for Silver-Modified BaTiO<sub>3</sub>/TiO<sub>2</sub> Heterostructure", **2024 JSAP The 71<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2024)**, Mar. 22-25, Tokyo, Japan. **(Poster Award)**

## 2023-

47. Ming-Chung Wu\*, Kai-Chi Hsiao, Yin-Hsuan Chang, Jia-Mao Chang, and [Ting-Han Lin](#), "Characterization of Ag<sub>3</sub>BiI<sub>6</sub> Rudorffite Absorber for Ambient-Air-Stable, Lead-Free, and Efficiency Solar Cells through Scanning Analyzer", **2023 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2023)**, Nov. 26-Dec. 1, Boston, Massachusetts, United States of America.
48. Ming-Chung Wu\*, Yin-Hsuan Chang, Yi-Jing Lu, Kai-Chi Hsiao, [Ting-Han Lin](#), Jia-Mao Chang, and Ying-Han Liao, "Optimizing CO<sub>2</sub> Photoreduction in Freestanding Silver Bismuth Iodide/Nanocellulose Films through Incident Light Modulation and Integration of Gold Nanoparticles", **2023 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2023)**, Nov. 26-Dec. 1, Boston, Massachusetts, United States of America.
49. [Ting-Han Lin](#), Jia-Mao Chang, Yi-Lin Wang, Kai-Chi Hsiao, Kun-Mu Lee, and Ming-Chung Wu\*, "Exploring Photo-Piezocatalysis in Heterostructured Barium Titanate and Titanium Dioxide: Insights from Photo-Triggered Contact Potential Differences", **2023 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2023)**, Nov. 26-Dec. 1, Boston, Massachusetts, United States of America.
50. Yin-Hsuan Chang, Rei-Yang Li, Ying-Han Liao, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Machine Learning-Based Prediction of Crystal Structure Proportions in Ag-TiO<sub>2</sub> Nanofibers for Enhanced Photocatalytic Activity", **2023 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2023)**, Nov. 26-Dec. 1, Boston, Massachusetts, United States of America. **[BMRPC74]**
51. Jia-Mao Chang, [Ting-Han Lin](#), Yin-Hsuan Chang, Kai-Chi Hsiao, and Ming-Chung Wu\*, "Gas-Solid Phase Reaction-Driven CO<sub>2</sub> Reduction: Exploring the Photocatalytic Potential of Silver-Bismuth-Iodide Rudorffite", **2023 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2023)**, Nov. 26-Dec. 1, Boston, Massachusetts, United States of America.
52. Yu-Chi Peng, Kuo-Ping Chiang, Yen-Chang Chen, Jia-Mao Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Enhanced Solar-Driven Photocatalytic Hydrogen Production through Incorporation of ZnIn<sub>2</sub>S<sub>4</sub> with BaTiO<sub>3</sub> Piezocatalyst", **2023 MRSTIC Materials Research Society-Taiwan International Conference (MRSTIC 2023)**, Nov. 17-20, Hsinchu, Taiwan.
53. Yen-Chang Chen, Jia-Mao Chang, [Ting-Han Lin](#), Yi-Lin Wang, and Ming-Chung Wu\*, "Construction of BaTiO<sub>3</sub>/TiO<sub>2</sub> Heterostructures through Varied TiO<sub>2</sub> Templates for Enhanced Piezocatalytic Performance", **2023 MRSTIC Materials Research Society-Taiwan International Conference (MRSTIC 2023)**, Nov. 17-20, Hsinchu, Taiwan.

54. Ying-Han Liao, Kai-Chi Hsiao, Ching-Mei Ho, [Ting-Han Lin](#), Shih-Hsuan Chen, Yin-Hsuan Chang, Jao-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", **2023 PVSEC-34 The 34<sup>rd</sup> International Photovoltaic Science and Engineering Conference (PVSEC-34 2023)**, Nov. 6-10, Shenzhen, China. **[BMRPC74]**
55. Yin-Hsuan Chang, Ting-Hung Hsieh, Kai-Chi Hsiao, [Ting-Han Lin](#), Ming-Chung Wu\*, and Kai-Hsiang Hsu\*, "Electrospun Nanocomposite Fibers for Exhaled Breath Biomarker Detection", **2023 IEDMS International Electron Devices & Materials Symposium (IEDMS 2023)**, Oct. 19-20, Kaohsiung, Taiwan.
56. Yin-Hsuan Chang, [Ting-Han Lin](#), Kai-Chi Hsiao, Jao-Mao Chang, and Ming-Chung Wu\*, "Self-Precipitation Au Nanoparticles on TiO<sub>2</sub> Nanofibers for Surface-Enhanced Raman Scattering Detection", **2023 IEDMS International Electron Devices & Materials Symposium (IEDMS 2023)**, Oct. 19-20, Kaohsiung, Taiwan.
57. Ming-Chung Wu\*, Yin-Hsuan Chang, Yi-Jing Lu, Kai-Chi Hsiao, and [Ting-Han Lin](#), "Enhancing CO<sub>2</sub> Photoreduction via Incident Light Modulation in Silver Bismuth Iodide/Nanocellulose Films and the Integration of Gold Nanoparticles", **2023 JSAP The 84<sup>th</sup> Japan Society of Applied Physics Autumn Meeting (JSAP 2023)**, Sep. 19-23, Kumamoto, Japan.
58. Yin-Hsuan Chang, [Ting-Han Lin](#), Kai-Chi Hsiao, Jia-Mao Chang, and Ming-Chung Wu\*, "Surface Self-Precipitation Au Nanoparticles on TiO<sub>2</sub> Nanofibers for Surface-Enhanced Raman Scattering Detection of Environmental Hazards", **2023 JSAP The 84<sup>th</sup> Japan Society of Applied Physics Autumn Meeting (JSAP 2023)**, Sep. 19-23, Kumamoto, Japan.
59. Jia-Mao Chang, [Ting-Han Lin](#), Yin-Hsuan Chang, Kai-Chi Hsiao, and Ming-Chung Wu\*, "Exploring Photo-Piezocatalysis in Heterostructured Barium Titanate and Titanium Dioxide: Insights from Photo-Triggered Contact Potential Differences", **2023 JSAP The 84<sup>th</sup> Japan Society of Applied Physics Autumn Meeting (JSAP 2023)**, Sep. 19-23, Kumamoto, Japan. **(Oral Presentation)**
60. [Ting-Han Lin](#), Kuo-Ping Chiang, Jia-Mao Chang, Kun-Mu Lee, and Ming-Chung Wu\*, "Multidimensional Ternary Heterostructured Self-Precipitated Ag Nanoparticles on TiO<sub>2</sub>@SrTiO<sub>3</sub> for Photoreforming of Plastics Face Mask to Hydrogen", **2023 MRS Materials Research Society Spring Meeting & Exhibit (MRS 2023)**, Apr. 10-15, San Francisco, California, United States of America. **[BMRPC74]**
61. Kai-Chi Hsiao, [Ting-Han Lin](#), Wei-Fang Su, and Ming-Chung Wu\*, "Chloride Gradient Renders Carrier Extraction of Hole for High V<sub>oc</sub> and Efficient Inverted Organometal Halide Perovskite Solar Cell", **2023 MRS Materials Research Society Spring Meeting & Exhibit (MRS 2023)**, Apr. 10-15, San Francisco, California, United States of America.
62. Yin-Hsuan Chang, Ting-Hung Hsieh, Kai-Chi Hsiao, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Electrospun Sensing Materials for Monitoring Exhaled Diabetes Biomarker", **2023 JSAP The 70<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2023)**, Mar. 15-18, Tokyo, Japan. **(Oral Presentation)**
63. Jia-Mao Chang, [Ting-Han Lin](#), Yin-Hsuan Chang, and Ming-Chung Wu\*, "Silver Bismuth Iodide Rudorffite for Photocatalytic CO<sub>2</sub> Reduction", **2023 JSAP The 70<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2023)**, Mar. 15-18, Tokyo, Japan. **(Oral Presentation)**
64. Ting-Hung Hsieh, Kai-Chi Hsiao, [Ting-Han Lin](#), Yin-Hsuan Chang, and Ming-Chung Wu\*, "Electrospun Ag/PVP/PMMA Porous Nanofibers for Monitoring Exhaled Diabetes Biomarker", **2023 JSAP The 70<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2023)**, Mar. 15-18, Tokyo, Japan.
65. Yi-Lin Wang, Jia-Mao Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "BaTiO<sub>3</sub>/TiO<sub>2</sub> Nanocomposite for Piezo-Photocatalytic Wastewater Treatment", **2023 JSAP The 70<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2023)**, Mar. 15-18, Tokyo, Japan.

## 2021-

66. Jia-Mao Chang, [Ting-Han Lin](#), Kou-Ping Chiang, and Ming-Chung Wu\*, "Vapor-Assisted Synthesis of Novel Silver Bismuth Iodide Crystal for Efficient Photocatalytic CO<sub>2</sub> Reduction", **2021 IEDMS International Electron Devices & Materials Symposium (IEDMS 2021)**, Nov. 18-19, Kaohsiung, Taiwan.
67. Tien-Hao Chen, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Synthesis of Sulfur-Vacancy Defects on SnS<sub>2</sub>/Carbonized CNF Nanocomposite Film for Photocatalytic Application", **2021 IEDMS International Electron Devices & Materials Symposium (IEDMS 2021)**, Nov. 18-19, Kaohsiung, Taiwan.
68. Kou-Ping Chiang, [Ting-Han Lin](#), Yin-Hsuan Chang, Jia-Mao Chang, Kai-Chi Hsiao, and Ming-Chung Wu\*, "Enhanced Photocatalytic CO<sub>2</sub> Reduction Activity of Silver-Bismuth Iodide Decorated TiO<sub>2</sub> NFs by Chemical Vapor Deposition", **2021 MRSTIC Materials Research Society-Taiwan International Conference (MRSTIC 2021)**, Nov. 13-17, Virtual Conference.
69. Jia-Mao Chang, [Ting-Han Lin](#), Kou-Ping Chiang, and Ming-Chung Wu\*, "Manipulating the Microstructure of Novel Silver Bismuth Iodide Crystal for Efficient Photocatalytic CO<sub>2</sub> Reduction", **2021 MRSTIC Materials Research Society-Taiwan International Conference (MRSTIC 2021)**, Nov. 13-17, Virtual Conference.
70. Ting-Hun Hsieh, Yin-Hsuan Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Ultra-Sensitive Breath Acetone Detection by Polymer Nanocomposite Sensing Material for Non-Invasive Diabetics Health Monitoring", **2021 MRSTIC Materials Research Society-Taiwan International Conference (MRSTIC 2021)**, Nov. 13-17, Virtual Conference. **(First Prize)**

## 2020-

71. [Ting-Han Lin](#), Duy Linh Vu, Ming-Chung Wu\*, and Chao-Sung Lai, "Using Electrospun PANI/P3TI/PMMA Fibers for Highly-Sensitive Detection of Volatile Organic Compounds Vapor", **2020 ICSS International Conference on Smart Sensors, 25<sup>th</sup> Symposium of Association of Chemical Sensors in Taiwan, and 23<sup>rd</sup> Nano Engineering and Microsystem Technology Conference (ICSS 2020)**, Oct. 19-20, Kaohsiung, Taiwan. **(Oral Presentation) (Best Oral Paper Award)**
72. Yin-Hsuan Chang, [Ting-Han Lin](#), Yu-Han Liao, and Ming-Chung Wu\*, "Efficient Removal of Organic Pollutants with Reusable Cellulose Nanofiber/Titanium Dioxide Nanofiber Composite Film", **2020 IEDMS International Electron Devices & Materials Symposium (IEDMS 2020)**, Oct. 15-16, Taoyuan, Taiwan.
73. [Ting-Han Lin](#), Yin-Hsuan Chang, Ching-Ting Chiu, and Ming-Chung Wu\*, "Construction of 2D/1D g-C<sub>3</sub>N<sub>4</sub>/TiO<sub>2</sub> with Z-Scheme Heterostructure for Efficient Water Splitting", **2020 CCE IV International Conference on Catalysis and Chemical Engineering (CCE 2020)**, Feb. 24-26, Los Angeles, California, United States of America. **(Oral Presentation)**
74. Yin-Hsuan Chang, [Ting-Han Lin](#), Yu-Han Liao, Ying-Han Liao, and Ming-Chung Wu\*, "Cellulose Nanofiber/Titanium Dioxide Nanowire Film for Reusable Organic Pollutant Photosdegradation", **2020 CCE IV International Conference on Catalysis and Chemical Engineering (CCE 2020)**, Feb. 24-26, Los Angeles, California, United States of America. **(Oral Presentation)**

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75. Ting-Han Lin, Yu-Han Liao, Yin-Hsuan Chang, Ying-Han Liao, and Ming-Chung Wu\*, "Hierarchically Cellulose Nanofiber/Titanium Dioxide Nanowire Film with Morphological Matching Forreusable Organic Pollutant Photodegradation", **2019 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2019)**, Dec. 1-6, Boston, Massachusetts, United States of America.
76. Chi-Hung Lin, Ming-Chung Wu\*, Tz-Feng Lin, Shun-Hsiang Chan, Ting-Han Lin, 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 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2019)**, Dec. 1-6, Boston, Massachusetts, United States of America.
77. Ting-Han Lin, Yu-Han Liao, Yin-Hsuan Chang, and Ming-Chung Wu\*, "Hierarchically Cellulose Nanofiber/TiO<sub>2</sub> Nanofiber Composite Film for The Reusable Organic Pollutant Photodegradation", **2019 APAM The Congress of Asia Pacific Academy of Materials (APAM 2019)**, Nov. 15-18, Guangzhou, China. (Oral Presentation)
78. Yin-Hsuan Chang, Chi-Hung Lin, Tz-Feng Lin, Shun-Hsiang Chan, Ting-Han Lin, Kai Wang, Chao-Sung Lai, and Ming-Chung Wu\*, "Efficient Polarization-Selective CdSe-CdS/PMMA Sensing Material for Detection of Volatile Organic Compounds Detection", **2019 APAM The Congress of Asia Pacific Academy of Materials (APAM 2019)**, Nov. 15-18, Guangzhou, China.
79. Chi-Hung Lin, Ting-Han Lin, Shun-Hsiang Chan, Yin-Hsuan Chang, Tz-Feng Lin, Ziming Zhou, Kai Wang, Chao-Sung Lai, and Ming-Chung Wu\*, "Highly Sensitive Freestanding Ag/CdSe-CdS/PMMA Sensors for Volatile Organic Compounds Detection", **2019 FAPS The 6<sup>th</sup> Federation of Asian Polymer Societies Polymer Congress (FAPS 2019)**, Oct. 27-30, Taipei, Taiwan.
80. Chi-Hung Lin, Ting-Han Lin, Ching-Ting Chiu, and Ming-Chung Wu\*, "Construction Of 2D/1D g-C<sub>3</sub>N<sub>4</sub>/TiO<sub>2</sub> with Z-Scheme Heterostructure of Efficient Water Splitting", **2019 3<sup>rd</sup> International Workshop on Graphene and C<sub>3</sub>N<sub>4</sub>-based Photocatalysts (IWGCP3 2019)**, Mar. 23-26, Wuhan, China. (Excellent Poster Award)
81. Ting-Han Lin, Ying-Han Liao, Yin-Hsuan Chang, and Ming-Chung Wu\*, "Sn Doping Effect on Crystal Structure of TiO<sub>2</sub> Electron Extraction Layer for Organometal Halide Perovskite Solar Cells", **2019 3<sup>rd</sup> International Workshop on Graphene and C<sub>3</sub>N<sub>4</sub>-based Photocatalysts (IWGCP3 2019)**, Mar. 23-26, Wuhan, China.

## 2018-

82. Yin-Hsuan Chang, Ting-Han Lin, Kuo-Ping Chiang, and Ming-Chung Wu\*, "Magnetic Separable Fe<sub>3</sub>O<sub>4</sub>/Ag/TiO<sub>2</sub> Nanofibers for Removal of Hexavalent Chromium", **2018 IUMRS-ICA The 19<sup>th</sup> International Union of Materials Research Societies International Conference in Asia (IUMRS-ICA 2018)**, Oct. 31- Nov. 04, Bali, Indonesia. (Oral Presentation)
83. Ting-Han Lin, Kuo-Ping Chiang, and Ming-Chung Wu\*, "One-Pot Synthesis of Silver Oxide Nanoparticles Loaded TiO<sub>2</sub> Nanofibers and Its Synergistic Effect on Visible-Driven Photocatalytic Activity", **2018 Chinese Symposium on Photocatalytic Materials (2018 CSPM1)**, July 26-29, Wuhan, China. (Excellent Poster Award)
84. Yin-Hsuan Chang, Ting-Han Lin, Kuo-Ping Chiang, and Ming-Chung Wu\*, "Recyclable Magnetic Fe<sub>3</sub>O<sub>4</sub>/Ag/TiO<sub>2</sub> Photocatalyst for Removing Hexavalent Chromium", **2018 Chinese Symposium on Photocatalytic Materials (2018 CSPM1)**, July 26-29, Wuhan, China. (Excellent Poster Award)
85. Yu-Han Liao, Ting-Han Lin, Kou-Ping Chiang, and Ming-Chung Wu\*, "Preparation and Photocatalytic Performance of TiO<sub>2</sub>/Cellulose Nanofibers Composite Film", **2018 The 6<sup>th</sup> International Conference on the Characterization and Control of Interfaces for High Quality Advanced Materials (2018 ICCCI)**, July 9-12, Kurashiki, Japan. (Oral Presentation)

86. Kou-Ping Chiang, Po-Yeh Wu, Yin-Hsuan Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Enhanced Sunlight Photocatalytic Activity of Silver-Doped Titanium Dioxide Nanofiber", **2018 The 6<sup>th</sup> International Conference on the Characterization and Control of Interfaces for High Quality Advanced Materials (2018 ICCCI)**, July 9-12, Kurashiki, Japan.
87. [Ting-Han Lin](#), Po-Yeh Wu, Yin-Hsuan Chang, and Ming-Chung Wu\*, "High Photocatalytic Ag/TiO<sub>2</sub> Nanofibers Prepared by Hydrothermal and a Simple Annealing Process in Air", **2018 AEMC European Advanced Energy Materials and Technology Congress (AEMC 2018)**, Mar. 25-28, Stockholm, Sweden. **(Oral Presentation)** **【106-2221-E-182-057-MY3】**

## 2017-

88. [Ting-Han Lin](#), Po-Yeh Wu, Yin-Hsuan Chang, and Ming-Chung Wu\*, "High Photocatalytic Performance of Ag-TiO<sub>2</sub> Nanofibers Prepared by Combining the Hydrothermal Synthesis and Simple Heat-Treatment in Air Atmosphere", **2017 MRS Materials Research Society Fall Meeting & Exhibit (MRS 2017)**, Nov. 26-Dec. 1, Boston, Massachusetts, United States of America.
89. [Ting-Han Lin](#), Ming-Pin Lin, Wei-Fang Su, and Ming-Chung Wu\*, "Ag/SiO<sub>2</sub> Surface-Enhanced Raman Scattering Substrate Detection in Plasticizer", **2017 SSDM International Conference on Solid State Devices and Materials (SSDM 2017)**, Sep. 19-22, Sendai, Japan. **(Oral Presentation)** **【105-2221-E-182-011-】**
90. Yu-Han Liao, [Ting-Han Lin](#), Kou-Ping Chiang, Ming-Chung Wu\*, Ya-Wen Cheng, Chien-Hui Wu, Yu-Chen Chen, Po-Min Chen, and Wan-Tun Hung, "Highly Transparent Cellulose Nanofiber Flexible Substrate", **2017 IEMDS International Electron Devices & Materials Symposium (IEMDS 2017)**, Sep. 6-8, Hsinchu, Taiwan.
91. [Ting-Han Lin](#), Yu-Han Liao, Kou-Ping Chiang, Ming-Chung Wu\*, Ya-Wen Cheng, Chien-Hui Wu, Yu-Chen Chen, Po-Min Chen, and Wan-Tun Hung, "Fabrication and Characteristics of TiO<sub>2</sub> NFs/Cellulose NFs Composite Film", **2017 JSAP The 78<sup>th</sup> Japan Society of Applied Physics Autumn Meeting (JSAP 2017)**, Sep. 5-8, Fukuoka, Japan. **(Oral Presentation)**
92. Yin-Hsuan Chang, [Ting-Han Lin](#), Po-Yeh Wu, and Ming-Chung Wu\*, "High Photocatalytic Performance of Silver Doped Titanium Dioxide Nanofibers", **2017 JSAP The 78<sup>th</sup> Japan Society of Applied Physics Autumn Meeting (JSAP 2017)**, Sep. 5-8, Fukuoka, Japan. **(Oral Presentation)**
93. [Ting-Han Lin](#), Po-Yeh Wu, Yin-Hsuan Chang, and Ming-Chung Wu\*, "High Photocatalytic Performance of Ag/TiO<sub>2</sub> Nanofibers: Photodegradation of Organic Dye and Photocatalytic H<sub>2</sub> Generation", **2017 IWGCP2 2<sup>nd</sup> International Workshop on Graphene and C<sub>3</sub>N<sub>4</sub>-Based Photocatalysts (IWGCP2 2017)**, Mar. 24-27, Wuhan, China. **(Best Poster Award)**
94. Kou-Ping Chiang, Po-Yeh Wu, Yin-Hsuan Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Copper Doping Effects on Photocatalytic Properties of TiO<sub>2</sub> NFs", **2017 IWGCP2 2<sup>nd</sup> International Workshop on Graphene and C<sub>3</sub>N<sub>4</sub>-Based Photocatalysts (IWGCP2 2017)**, Mar. 24-27, Wuhan, China.
95. Yu-Han Liao, Po-Yeh Wu, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Visible Light Active Silver-Ion Doped TiO<sub>2</sub> Photocatalyst", **2017 SICEAS Seoul International Conference on Engineering and Applied Sciences (SICEAS 2017)**, Feb. 7-9, Seoul, Korea. **(Oral Presentation)** **【NERPD2F0021(MOST105-2221-E-182-011)】**
96. Yin-Hsuan Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Bismuth Doping Effect on Crystal Structure and Photocatalytic Activity of Bismuth-TiO<sub>2</sub> Nanoparticles", **2017 SICEAS Seoul International Conference on Engineering and Applied Sciences (SICEAS 2017)**, Feb. 7-9, Seoul, Korea. **(Oral Presentation)**. **【NERPD2F0021(MOST105-2221-E-182-011)】**

## 2016-

97. Ting-Han Lin, Kai-Chi Hsiao, Jyun-Sian Chih, Po-Yeh Wu, Tz-Feng Lin, and Ming-Chung Wu\*, "Photocatalytic Performance of Multi-Morphological Nb-doped TiO<sub>2</sub> Nanofibers", **2016 International Conference on Solid State Devices and Material (SSDM 2016)**, Sep. 26-29, Tsukuba, Japan. **【NERPD2F0021(MOST105-2221-E-182-011) ∨ QCRPD602】**
98. Yin-Hsuan Chang, Kai-Chi Hsiao, Ting-Han Lin, Po-Yeh Wu, Yu-Kai Tseng, Tz-Feng Lin, and Ming-Chung Wu\*, "Bismuth Doping Effect on Structural and Photocatalytic Activity of Bi-Doped TiO<sub>2</sub> Nanoparticles", **2016 International Conference on Solid State Devices and Material (SSDM 2016)**, Sep. 26-29, Tsukuba, Japan. **【NERPD2F0021(MOST105-2221-E-182-011) ∨ QCRPD602】**
99. Ming-Chung Wu\*, Po-Yeh Wu, Ching-Hsiang Chen, Wei-Kang Huang, Kai-Chi Hsiao, Shun-Hsiang Chan, Ting-Han Lin, Kun-Mu Lee, and Wei-Fang Su, "Hydrogenated TiO<sub>2</sub> Nanofibers with High Solar-Light-Assisted Photocatalytic Performance", **5th International Solvothermal and Hydrothermal Association Conference (ISHA 2016)**, Jan. 17-20, Tainan, Taiwan. **【NERPD2D0122(MOST103-2221-E-182-008-MY2)】**
100. Ming-Chung Wu\*, Wei-Cheng Chen, Wei-Kang Huang, and Ting-Han Lin, "Photocatalytic Performance of Metal Nanoparticles Decorated Hydrogenated TiO<sub>2</sub> Nanofibers", **5th International Solvothermal and Hydrothermal Association Conference (ISHA 2016)**, Jan. 17-20, Tainan, Taiwan. **(Oral Presentation) 【NERPD2D0122(MOST103-2221-E-182-008-MY2)】**

## 2015-

101. Ming-Chung Wu\*, Kai-Chi Hsiao, Po-Yeh Wu, Wei-Kang Huang, and Ting-Han Lin, "Enhanced Visible-Light-Active Photocatalytic Performance of Black TiO<sub>2</sub> Nanoparticles", **2015 World Conference on Innovation, Engineering, and Technology (IET 2015)**, Sep. 8-10, Kyoto, Japan. **(Oral Presentation) 【NERPD2D0122(MOST103-2221-E-182-008-MY2)】**
102. Ming-Chung Wu\*, Wei-Kang Huang, and Ting-Han Lin, "Photocatalytic Performance of Metal Nanoparticles Decorated Hydrogenated Titanium Dioxide Nanofibers", **2015 World Conference on Innovation, Engineering, and Technology (IET 2015)**, Sep. 8-10, Kyoto, Japan. **(Oral Presentation) 【NERPD2D0122(MOST103-2221-E-182-008-MY2)】**
103. Ming-Chung Wu\*, Ting-Han Lin, Jyun-Sian Chih, and Wei-Cheng Chen, "Visible-Light-Induced Photodegradation Performance of Multi-Morphological Nb-Doped Titanium Dioxide Nanomaterials", **The 3rd International Symposium on Fundamental and Applied Sciences (2015 ISFAS)**, March 22-24, Osaka, Japan. **(Oral Presentation) 【BMRPC74】**

## 2014-

104. Ming-Chung Wu\*, Ting-Han Lin, Chiao-Wei Hsu, Shun-Hsiang Chan, and Kun-Mu Lee, "Fabrication and Photodegradation Characteristic of Electrospun PMMA/TiO<sub>2</sub> Nanocomposite Textiles", **2014 Asian Workshop on Polymer and Processing (亞洲高分子加工研討會)(AWPP2014)**, Nov. 17-20, Kenting, Taiwan. **【NERPD2D0122(MOST103-2221-E-182-008-MY2)】**
105. Ming-Chung Wu\*, Ting-Han Lin, Shun-Hsiang Chan, and Wei-Fang Su, "Electrospun P3HT/PMMA Blend Fiber for High Efficient, Real-Time and Low Cost Volatile Organic Compounds Sensors", **2014 MRS Fall Meeting**, Nov. 30-Dec. 5, Boston, USA. **【NERPD2D0122(MOST103-2221-E-182-008-MY2) ∨ BMRPC74】**
106. Ming-Chung Wu\*, Shun-Hsiang Chan, and Ting-Han Lin, "Fabrication and Photocatalytic Characteristics of Electrospun Polyvinyl Alcohol/Silk/Titania Composite Textiles", **The 6th International Symposium on Functional Materials (ISFM 2014)**, Aug. 4-7, Clarke Quay/Riverside, Singapore. **(Best Poster Award) 【台大 MOST103-3113-E-002-011】**

107. Ming-Chung Wu\*, Chiao-Wei Hsu, and [Ting-Han Lin](#), "Fabrication and Photocatalytic Characteristics of PMMA/TiO<sub>2</sub> Nanocomposite Freestanding Films", **2014 AMEE Workshop on Nanomaterials and Nanodevices (NMND 2014)**, April 26-27, Kowloon, Hong Kong. **【NCRPD2CS071、BMRPC74】**

**2013-**

108. Ming-Chung Wu\*, Shun-Hsiang Chan, and [Ting-Han Lin](#), "Fabrication of Photocatalytic TiO<sub>2</sub>/Polymer Blend Nanocomposite Flexible Cloth by Electro-Spinning Technique", **2013 TACT International Thin Films Conference**, Oct. 5-9, Taipei, Taiwan.

109. Ming-Chung Wu\*, Shun-Hsiang Chan, and [Ting-Han Lin](#), "Fabrication of PVA/Silk/TiO<sub>2</sub> Nanocomposite Fibers by Electrospinning Technique", **2013 JSAP-MRS Joint Symposia**, Aug. 16-20, Kyoto, Japan. **【BMRPC74】**