

## Dr. Ting-Han Lin of Chang Gung University (Update 2024/05/15)

### Award List

#### 2024-

1. 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)
2. Yu-Chi Peng, Kuo-Ping Chiang, Jia-Mao Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Enhancing Solar-Driven Photocatalytic Hydrogen Production through Incorporation of ZnIn<sub>2</sub>S<sub>4</sub> with BaTiO<sub>3</sub> Piezocatalyst to Decompose Polymeric Biomass", **2024 中華民國高分子學會年會**, Jan. 24-25, 台南-國立成功大學. (海報論文競賽佳作) 【MOST 112-2813-C-182-036-E】
3. Mei-Yu Chen, Ting-Hung Hsieh, Yin-Hsuan Chang, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Multifunctional Electrospun Nanocomposite Fibers for the Detection of Various Biomarkers in Exhaled Breath", **2024 中華民國高分子學會年會**, Jan. 24-25, 台南-國立成功大學. (海報論文競賽優等) 【MOST 111-2628-E-182-001-MY2】

#### 2023-

4. Ting-Hung Hsieh, Yin-Hsuan Chang, [Ting-Han Lin](#), Kai-Chi Hsiao, and Ming-Chung Wu\*, "Breath Acetone Sensing Based on Polymer Nanocomposite Sensing Material for Application in Non-Invasive Diabetics Monitoring", **2023 中華民國高分子學會年會**, Jan. 17-18, 桃園-長庚大學. (海報論文競賽優等) 【MOST 110-2628-E-182-001】

#### 2022-

5. 王哲麒, Rajat Subhra Karmakar, [林廷翰](#), 吳明忠\*, 張國軒, "藉由 PEDOT:PSS 與 ITO 電極間之抑制介面塗層提升壓阻式壓力感測器之可靠度", 台灣化學工程學會 69 週年年會暨國科會化學工程學門成果發表會&台、日、韓、捷化學工程國際研討會, Dec. 2-3, 新北-淡江大學. (石延平教授論文獎)
6. Ting-Hung Hsieh, Yin-Hsuan Chang, [Ting-Han Lin](#), Kai-Chi Hsiao, and Ming-Chung Wu\*, "Ultra-Sensitive Breath Acetone Detection by Polymer Nanocomposite Sensing Material", 台灣化學工程學會 69 週年年會暨國科會化學工程學門成果發表會&台、日、韓、捷化學工程國際研討會, Dec. 2-3, 新北-淡江大學. 【MOST 111-2221-E-182-040-MY3】 (海報競賽佳作)
7. Jia-Mao Chang, [Ting-Han Lin](#), Yin-Hsuan Chang, and Ming-Chung Wu\*, "Composition Engineering in Silver Bismuth Iodide for Efficient Photocatalytic CO<sub>2</sub> Reduction", 中國材料科學學會 111 年年會, Nov. 18-19, 苗栗-國立聯合大學. 【MOST 111-2221-E-182-040-MY3】 (海報競賽特優)
8. Jia-Mao Chang, [Ting-Han Lin](#), Yin-Hsuan Chang, and Ming-Chung Wu\*, "Composition Engineering in Silver Bismuth Iodide for Efficient Photocatalytic CO<sub>2</sub> Reduction", **2022 第二十八屆用戶年會暨研討會**, Aug. 30-Sep. 1, 新竹-國家同步輻射研究中心. (壁報人氣獎)
9. Yin-Hsuan Chang, Yu-Han Liao, [Ting-Han Lin](#), and Ming-Chung Wu\*, "Organic Solvent Resistant Nanocomposite Films Made Self-Precipitated Ag/TiO<sub>2</sub> Nanofibers and Cellulose Nanofiber for Harmful Volatiles Organic Compounds Photodegradation", **2022 中華民國高分子學會年會**, Jan. 18-19, 台中-國立勤益科技大學. 【MOST 110-2628-E-182-001】 (論文海報競賽銅牌)

## 2021-

10. 吳明忠\*, 張胤萱, 林廷翰, 盧怡靜, 張家茂, "奈米光觸媒纖維複合紙燈罩 360° 無死角淨化空氣", **110 年度複合材料設計競賽**, Dec. 17, 台中-逢甲大學. (佳作)
11. 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)
12. 林廷翰, 張胤萱, 王前翰, 張家茂, 吳明忠\*, "塑氫專案", **2021 長庚大學青年老闆築夢計畫校際盃創新創業競賽**, Mar. 6, 桃園-長庚大學. (第三名及評審特別獎)

## 2020-

13. 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 Solar Cell via Air-Processable Method", **2020 中國材料科學學會年會**, Nov. 6-7, 新北-明志科技大學. (論文海報競賽特優)
14. Kuo-Ping Chiang, Ting-Han Lin, Yin-Hsuan Chang, Jia-Mao Chang, Jen-Fu Hsu, Kai-Hsiang Hsu, and Ming-Chung Wu\*, "Highly Efficient Solar-Driven Photodegradation on Antibiotics by Self-Precipitated Ag NPs/TiO<sub>2</sub> Nanofibers Photocatalyst", **2020 台灣化學工程學會 67 週年年會暨科技部化學工程學門成果發表會&台日韓捷永續化學工程國際研討會**, Oct. 23-24, 新竹-國立清華大學. 【MOST 109-2221-E-182-059】 (海報論文競賽佳作)
15. Yen-Ting Lin, Chi-Hui Tsao, Ting-Han Lin, and Ming-Chung Wu\*, "Solar-Triggered Silver Doped Titanium Oxide Nanofibers with High Efficient Photothermal Therapy for Tumor Ablation", **2020 台灣化學工程學會 67 週年年會暨科技部化學工程學門成果發表會&台日韓捷永續化學工程國際研討會**, Oct. 23-24, 新竹-國立清華大學. 【MOST 109-2221-E-182-059】 (海報論文競賽優勝)
16. 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)

## 2019-

17. Ting-Han Lin, Ching-Ting Chiu, and Ming-Chung Wu\*, "Construction of 3D/1D Porous g-C<sub>3</sub>N<sub>4</sub>/TiO<sub>2</sub> with Z-Scheme Heterostructure for Efficient Water", **2019 台灣化學工程學會 66 週年年會暨科技部化學工程學門成果發表會**, Nov. 8-9, 台中-東海大學. (海報論文競賽佳作)
18. Yin-Hsuan Chang, Ting-Han Lin, Yu-Han Liao, Chiao-Yun Huang, and Ming-Chung Wu\*, "Hierarchically Cellulose Nanofiber/TiO<sub>2</sub> Nanofiber Composite Film for Organic Pollutant Photodegradation", **2019 台灣化學工程學會 66 週年年會暨科技部化學工程學門成果發表會**, Nov. 8-9, 台中-東海大學. (海報論文競賽優勝)
19. 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)

## 2018-

20. 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 (2018CSPM1), July 26-29, Wuhan, China. (Excellent Poster Award)
21. 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 (2018CSPM1), July 26-29, Wuhan, China. (Excellent Poster Award)
22. 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 Flexible Substrate Prepared by TEMPO-Oxidized Cellulose Nanofibers", 2018 第 41 屆中華民國高分子學會年會及前瞻高分子科學與技術國際研討會暨 106 年度科技部高分子學門成果發表會, Jan. 12-13, 台北市-國立臺北科技大學. (海報論文競賽佳作)

## 2017-

23. 廖于涵, 林廷翰, 蔣國斌, 吳明忠\*, 鄭雅文, 吳建慧, 陳玉振, 陳博明, 洪萬墩, "高透明度纖維素奈米纖維紙的製備與其應用", 第15屆台塑關係企業應用技術研討會, Jun. 16, 桃園市-長庚大學. (研發論文獎優勝)
24. 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)

## 2016-

25. 林廷翰, 王威凱, 吳明忠\*, 鄭雅文, 吳建慧, 陳玉振, 陳博明, 洪萬墩, "纖維素奈米纖維之合成、材料分析與其應用開發", 第14屆台塑關係企業應用技術研討會, 2016 Jun. 22, 新北市-明志科技大學. (研發論文獎優勝)

## 2015-

26. 林廷翰, 詹順翔, 黃瑋康, 吳明忠\*, "以 P3HT/PCBM 複合薄膜製作低成本、高效能與即時偵測的揮發性有機化合物感測器", 2015 International Symposium on Smart-Sensing Technology (ISST 2015), Jun. 5, 桃園市-長庚大學. (海報論文競賽佳作)
27. 詹順翔, 吳明忠\*, 林廷翰, 許喬惟, 林唯芳, "調控 P3HT/PMMA 感測纖維排列方式來提升感測器靈敏度之探討", 2015 International Symposium on Smart-Sensing Technology (ISST 2015), Jun. 5, 桃園市-長庚大學. (海報論文競賽佳作)

## 2014-

28. Ming-Chung Wu\*, Shun-Hsiang Chan, and Ting-Han Lin, "Fabrication and Photocatalytic Characteristics of Electrospun Polyvinyl Alcohol/Silk/Titania Composite Textiles", 2014 The 6th International Symposium on Functional Materials (ISFM 2014), Aug. 4-7, Clarke Quay/Riverside, Singapore. (Best Poster Award)

## 2013-

29. 詹順翔, 林廷翰, 吳明忠\*, "自清淨抗菌蠶絲光觸媒奈米纖維布", 第 11 屆台塑關係企業應用技術研討會, 2013 Jun. 28, 桃園市-長庚大學. (研發論文競賽學校組 優良獎)