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EDUCATION

- 美國加州大學聖地牙哥分校 材料科學與工程 博士(2009/9~2014/12)
- 國立成功大學 化工 碩士(2002/9~2004//6)
- 國立成功大學 化工 學士(1998/9~2002/6)

EXPERIENCE

- 國立成功大學 助理教授 (2019//08~)
- 美國加州大學聖地牙哥分校 奈米工程 博士後研究 (2016/3~2019/7)
- 美國加州大學柏克立分校 材料科學與工程 博士後研究 (2015/3~2016/2)
- 南亞塑膠 研發工程師 (國防役) (2004/10~2009 年 7)

RECENT SELECTED PUBLICATIONS

1. Jian-Jia Liu, Zhi-Wu Jiang, Su-Wen Hsu." Investigation of the Performance of Heterogeneous MOF-Silver Nanocube Nanocomposites as CO₂ Reduction Photocatalysts by In-Situ Raman Spectroscopy". ACS Applied Materials & Interfaces 2023, 15, 5, 6716–6725.
2. Shih-Lun Peng, Gang-Yi Chen, Su-Wen Hsu. "Silver Nanocube Dimer Nanojunctions as Plasmon-Enhanced Raman Sensors". Journal of Materials Chemistry C, 2022,10, 43, 16573-16582
3. Hsien-Tai Cheng, Ming-Shiuan Huang, Su-Wen Hsu. "Combination of Plasmon-Mediated Photochemistry and Seed-Mediated Methods for Synthesis of Bicomponent Nanocrystals". ACS omega, 7, 34, 30622-30631
4. Wen-Yu Liao, Jyue-Rong Huang, Su-Wen Hsu, "Fabrication of a Large-Scale Plasmonic Nanojunction for Chemical Sensing" ACS Applied Nano Materials,2022, 5, 5722-5732
5. Shih-Lun Peng, Gang-Yi Chen, Su-Wen Hsu," Tuning the Optical and Electrical Properties of Polymer-Based Nanocomposites by Plasmon-Induced Electromagnetic Field" Advanced Materials Interfaces, 2022, 9, 2200089
6. Wei-Liang Jhang, Ming-Shiuan Huang, Su-Wen Hsu, "Unsymmetrical Heterogeneous Au–Ag Nanocrystals as Catalysts, Sensors, and Drug Carriers", ACS Applied Nano Materials, 2021, 4, 10011-10017
7. Jhang W.-L., Li C.-J., Wang, A.-S., Liu C.-W., and Hsu, S.-W., "Tunable Optical Property of Plasmonic–Polymer Nanocomposites Composed of Multilayer Nanocrystal Arrays Stacked in a Homogeneous Polymer Matrix, ACS Applied Materials & Interfaces2020, 12, 46, 51873-51884