

Dr. Wei-Hao Chiu of Chang Gung University (Update 2024/11/20)

International Conference Papers List

2024-

1. Kun-Mu Lee*, [Wei-Hao Chiu](#), and Yan-Duo Lin, "Pentafulvalene-Fused Fluorinated Compound Boosts Perovskite Solar Cell Performance", *2024 PVSEC-35 The 35rd International Photovoltaic Science and Engineering Conference (PVSEC-35 2024)*, Nov. 10-15, Numazu, Japan. **(Invited Speaker)**
2. [Wei-Hao Chiu*](#), and Kun-Mu Lee, "Enhancing Perovskite Solar Cell Performance through Chemical Bath Deposition of SnO₂ on Mesoporous TiO₂ Electrodes ", *2024 PVSEC-35 The 35rd International Photovoltaic Science and Engineering Conference (PVSEC-35 2024)*, Nov. 10-15, Numazu, Japan.
3. Seoungjun Ahn, [Wei-Hao Chiu](#), [Wei-Hao Chiu](#), and Kun-Mu Lee*, "Exploring the Role of PVDF-HFP in Enhancing Perovskite Solar Cell Performance for Space Missions", *2024 SDSE 2ndInternational Conference on Smart Devices and Sustainable Energy (SDSE 2024)*, Oct. 16-18, New Taipei, Taiwan.
4. [Wei-Hao Chiu](#), Si-Yu Chen, and Kun-Mu Lee*, "Rapid Laser Annealing of Cu-Doped NiO_x for Improved Efficiency in Perovskite Solar Cells", *2024 SDSE 2ndInternational Conference on Smart Devices and Sustainable Energy (SDSE 2024)*, Oct. 16-18, New Taipei, Taiwan.
5. [Wei-Hao Chiu](#), Seoungjun Ahn, [Wei-Hao Chiu](#), and Kun-Mu Lee*, "Controlling the Morphology of the Active Layer with Blade and Slot-Die Coating Results in Highly Efficient Perovskite Solar Cells", *2024 SDSE 2ndInternational Conference on Smart Devices and Sustainable Energy (SDSE 2024)*, Oct. 16-18, New Taipei, Taiwan.
6. Seoungjun Ahn, [Wei-Hao Chiu](#), and Kun-Mu Lee*, "Optimizing Space Mission Reliability via Comprehensive Investigation of PVDF-HFP in Perovskite Solar Cells", *2024 IC ME&D the 34th International Conference on Molecular Electronics and Devices (IC ME&D 2024)*, May. 9-10, Pohang, Korea.

2022-

7. Seoungjun Ahn, Kun-Mu Lee*, and [Wei-Hao Chiu](#), "Toward High Efficiency Perovskite Solar Cells by Doping Cesium Iodide into PbI₂ Film via Two-Step Deposition Method", *2022 PVSEC-33 The 33rd International Photovoltaic Science and Engineering Conference (PVSEC-33 2022)*, Nov. 13-17, Nagoya, Japan.
8. Seoungjun Ahn, Kun-Mu Lee*, and [Wei-Hao Chiu](#), "High Efficiency Perovskite Solar Cells by Incorporating Cesium into PbI₂ Solution via Two-Step Deposition Method", *2022 IEDMS International Electron Devices & Materials Symposium (IEDMS 2022)*, Oct. 27-28, Nantou, Taiwan. **(Oral Presentation)**

2021-

9. Kun-Mu Lee*, [Wei-Hao Chiu](#), Bo-Yang Chen, and Yan-Duo Lin, "Achieving >21% Perovskite Solar Cells with Dopant-Free HTM by Thermal-Assisted Blade-Coating Method", *2021 IEDMS International Electron Devices & Materials Symposium (IEDMS 2021)*, Nov. 18-19, Kaohsiung, Taiwan.
10. Seoungjun Ahn, Kun-Mu Lee*, and [Wei-Hao Chiu](#), "Effect of Cesium Iodide Dopant for High-Efficiency Perovskite Solar Cells via Two-Step Deposition Method", *2021 IEDMS International Electron Devices & Materials Symposium (IEDMS 2021)*, Nov. 18-19, Kaohsiung, Taiwan.