

Prof. Kun-Mu Lee of Chang Gung University (Update 2024/05/27)

International Conference Papers List

2024-

1. 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.
2. Ming-Chung Wu*, Shih-Hsuan Chen, Shun-Hsiang Chan, Yuan-Yu Chiu, Ting-Han Lin, Yin-Hsuan Chang, Ying-Han Liao, and Kun-Mu Lee*, "Lead-Reduced Halide Perovskite Solar Cells-Predicting the Quality of Photovoltaic Materials with Photo-Assisted Kelvin Probe Force System", **2024 IC ME&D The 34th International Conference on Molecular Electronics and Devices (IC ME&D 2024)**, May. 9-10, Pohang, Korea.

2023-

3. Kun-Mu Lee*, "Augmenting the Performance and Stability of Perovskite Solar Cells by Introducing Cesium Iodide Doping into the Pbi₂ Film via A Two-Step Deposition Method", **2023 IPEROP-24 Asia-Pacific International Conference on Perovskite, Organic Photovoltaics and Optoelectronics (IPEROP-24 2023)**, Jan. 22-23, Tokyo, Japan.

2022-

4. Kun-Mu Lee*, Seoungjun Ahn, and Ming-Chung Wu, "Enhanced Efficiency and Stability of Quasi-2D/3D Perovskite Solar Cells by Blade Coating Method", **2022 PVSEC-33 The 33rd International Photovoltaic Science and Engineering Conference (PVSEC-33 2022)**, Nov. 13-17, Nagoya, Japan.
5. 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.
6. 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-

7. 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.
8. 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.

9. Yu-Ching Huang*, Yu-Hsiang Cheng, Zih-Ting Chen, Zhi-Hao Huang, [Kun-Mu Lee](#), and Ming-Chung Wu*, "Study of the Conducting Polymer as the Interfacial Buffer Layer of Screen-Printed Electrodes for Perovskite Solar Cells", **2021 TACT International Thin Films Conference (TACT 2021)**, Nov. 15-18, Virtual Conference.
10. Yu-Ching Huang*, Tai-Yung Wang, Zhi-Hao Huang, Zih-Ting Chen, and [Kun-Mu Lee](#), "Lower Dark Current and High External Quantum Efficiency for Near-Infrared Organic Photodetectors Using a New Fullerene Acceptor", **2021 PESI Polymer Engineering & Science International (PESI 2021)**, May. 30-June. 3, Virtual Conference.

2020-

11. Yu-Zhe Liu, [Kun-Mu Lee*](#), and Ming-Chung Wu*, "Sequential Preparation of Fluorine-Doped Tin Oxide Films for High-Efficiency Perovskite Solar Cells", **2020 IEDMS International Electron Devices & Materials Symposium (IEDMS 2020)**, Oct. 15-16, Taoyuan, Taiwan.
12. Yung-Hsiang Lin, [Kun-Mu Lee*](#), and Seoungjun Ahn, "Efficient and Stable Semi-Transparent Perovskite Solar Modules with a Trilayer Anode Electrode", **2020 IEDMS International Electron Devices & Materials Symposium (IEDMS 2020)**, Oct. 15-16, Taoyuan, Taiwan.
13. Yi-Chen Liao, and [Kun-Mu Lee*](#), "Efficient and Stable Semi-Transparent Perovskite Solar Modules", **2020 IEDMS International Electron Devices & Materials Symposium (IEDMS 2020)**, Oct. 15-16, Taoyuan, Taiwan.
14. Seoungjun Ahn, [Kun-Mu Lee*](#), and Yu-Zhe Liu, "Bi-Functional FTO Films for Efficient Perovskite Solar Cells", **2020 IEDMS International Electron Devices & Materials Symposium (IEDMS 2020)**, Oct. 15-16, Taoyuan, Taiwan. (Oral Presentation)
15. Ching-Yuan Liu, and [Kun-Mu Lee*](#), "Bridge the Gap from Synthetic Methodologies to Organic Photovoltaic Materials", **2020 IEDMS International Electron Devices & Materials Symposium (IEDMS 2020)**, Oct. 15-16, Taoyuan, Taiwan.

2019-

16. Shih-Han Huang, Chia-Feng Li, Wei-Cheng Chu, [Kun-Mu Lee*](#), Yu-Ching Huang*, and Wei-Fang Su*, "Perovskite Layer of High-Efficiency Solar Cell Fabricated Using Blade Coating in Ambient Environment", **2019 A-COE The 11th Asian Conference on Organic Electronics (A-COE 2019)**, Nov. 6-9, New Taipei, Taiwan.
17. Min-Yao Hou, and [Kun-Mu Lee*](#), "Blade Coating 2D/3D Perovskite Films for High Efficiency and Stable Perovskite Solar Cells", **2019 JSAP The 12th International Summit on Organic and Hybrid Photovoltaics Stability (ISOS-12 2019)**, Oct. 7-9, Karlsruhe, Germany.
18. Wei-Jih Lin, and [Kun-Mu Lee*](#), "Preparation of High Transmittance and Activity Platinum Counter Electrode for Flexible Dye-Sensitized Solar Cells and Modules", **2019 CGEEE The 2nd International Conference on Green Energy and Environment Engineering (CGEEE 2019)**, July 2-5, Okinawa, Japan.
19. Min-Yao Hou, and [Kun-Mu Lee*](#), "Blade Coating 2D/3D Perovskites Films for High Efficiency and Stable Perovskite Solar Cells", **2019 JSAP The 66th Japan Society of Applied Physics Spring Meeting (JSAP 2019)**, Mar. 9-12, Tokyo, Japan.
20. Chang-Chieh Ting, and [Kun-Mu Lee*](#), "Low Defect Density of Perovskites Films for High Efficiency Perovskite Solar Cells", **2019 JSAP The 66th Japan Society of Applied Physics Spring Meeting (JSAP 2019)**, Mar. 9-12, Tokyo, Japan.

21. Chang-Chieh Ting, [Kun-Mu Lee*](#), Kuan-Ming Lu, and Ching-Yuan Liu, "One-Pot Synthesis of D-p-D-p-D Type Holetransporting Materials for Perovskite Solar Cells by Sequential C-H(Hetero) Arylations", **2019 JSAP The 66th Japan Society of Applied Physics Spring Meeting (JSAP 2019)**, Mar. 9-12, Tokyo, Japan.

2018-

22. Wei-Jih Lin, and [Kun-Mu Lee*](#), "Control Electron Collection and Transportation of TiO₂ Electrode for High Efficiency Perovskite Solar Cells", **2018 ISOS-11 The 11th International Summit on Organic and Hybrid Photovoltaics Stability (ISOS-11 2018)**, Oct. 21-25, Suzhou, China.
23. Hsin Lo, and [Kun-Mu Lee*](#), "Thermal Treatment on The Photoelectric Properties and Stability of Mixed-Cation Perovskite Solar Cells", **2018 ISOS-11 The 11th International Summit on Organic and Hybrid Photovoltaics Stability (ISOS-11 2018)**, Oct. 21-25, Suzhou, China.
24. [Kun-Mu Lee*](#), "Effect of Anti-Solvent Treatment on Fabrication of Large Area Perovskite Solar Cells", **2018 JSAP The 65th Japan Society of Applied Physics Spring Meeting (JSAP 2018)**, Mar. 17-20, Tokyo, Japan.
25. [Kun-Mu Lee*](#), "Influence of The Titanium Dioxide Nano-Particles Size on the Performance of Mesoscopic Perovskite Solar Cell", **2018 JSAP The 65th Japan Society of Applied Physics Spring Meeting (JSAP 2018)**, Mar. 17-20, Tokyo, Japan.

2017-

26. Bo-Yi Liou, and [Kun-Mu Lee*](#), "Influence of the Anti-Solvents on The Performance of The Methylammonium Lead Triiodide Perovskite Solar Cells", **2017 IWGCP2 2nd International Workshop on Graphene and C3N4-based Photocatalysts (IWGCP2)**, Mar. 24-27, Wuhan, China.

2016-

27. Hao-Chien Cheng, and [Kun-Mu Lee*](#), "The Effect of Electrodeposition Current of PbO₂ Film on The Performance of CH₃NH₃PbI₃ Perovskite Solar Cells", **PSCO-2016: 2nd International Conference on Perovskite Solar Cells and Optoelectronics (PSCO-2016)**, Sep. 26-28, Palazzo Ducale, Genova, Italy.
28. Bo-Yi Liou, Hao-Chien Cheng, and [Kun-Mu Lee*](#), "Investigation The Influence of The Anti-Solvents on The Performance of The Large Area Perovskite Solar Cells", **PSCO-2016: 2nd International Conference on Perovskite Solar Cells and Optoelectronics (PSCO-2016)**, Sep. 26-28, Palazzo Ducale, Genova, Italy.
29. [Kun-Mu Lee*](#), "Co-Sensitization Promoted Light Harvesting for Plastic Dye-Sensitized Solar Cells", **The 4th International Symposium on Fundamental and Applied Sciences (ISFAS 2016)**, Mar. 29-31, Kyoto, Japan
30. [Kun-Mu Lee*](#), "Investigation The Influence of The Antisolvents on The Performance of The Perovskite Solar Cells", **2016 Materials Research Society (2016 MRS Fall Meeting)**, Nov. 27-Dec. 2, Boston, Massachusetts.