

## Prof. Kun-Mu Lee of Chang Gung University (Update 2022/11/17)

### International Conference Papers List

#### 2022-

1. 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 33<sup>rd</sup> International Photovoltaic Science and Engineering Conference (PVSEC-33 2022)**, Nov. 13-17, Nagoya, Japan.
2. Seoungjun Ahn, Kun-Mu Lee\*, and Wei-Hao Chiu, "Toward High Efficiency Perovskite Solar Cells by Doping Cesium Iodide into Pbl<sub>2</sub> Film via Two-Step Deposition Method", **2022 PVSEC-33 The 33<sup>rd</sup> International Photovoltaic Science and Engineering Conference (PVSEC-33 2022)**, Nov. 13-17, Nagoya, Japan.
3. Seoungjun Ahn, Kun-Mu Lee\*, and Wei-Hao Chiu, "High Efficiency Perovskite Solar Cells by Incorporating Cesium into Pbl<sub>2</sub> Solution via Two-Step Deposition Method", **2022 IEDMS International Electron Devices & Materials Symposium (IEDMS 2022)**, Oct. 27-28, Nantou, Taiwan. **(Oral Presentation)**

#### 2021-

4. 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.
5. 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.
6. 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.
7. 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-

8. 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.
9. 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.
10. 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.

11. 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)
12. 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-

13. 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 11<sup>th</sup> Asian Conference on Organic Electronics (A-COE 2019)**, Nov. 6-9, New Taipei, Taiwan.
14. Min-Yao Hou, and [Kun-Mu Lee\\*](#), "Blade Coating 2D/3D Perovskite Films for High Efficiency and Stable Perovskite Solar Cells", **2019 JSAP The 12<sup>th</sup> International Summit on Organic and Hybrid Photovoltaics Stability (ISOS-12 2019)**, Oct. 7-9, Karlsruhe, Germany.
15. 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 2<sup>nd</sup> International Conference on Green Energy and Environment Engineering (CGEEE 2019)**, July 2-5, Okinawa, Japan.
16. Min-Yao Hou, and [Kun-Mu Lee\\*](#), "Blade Coating 2D/3D Perovskites Films for High Efficiency and Stable Perovskite Solar Cells", **2019 JSAP The 66<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2019)**, Mar. 9-12, Tokyo, Japan.
17. Chang-Chieh Ting, and [Kun-Mu Lee\\*](#), "Low Defect Density of Perovskites Films for High Efficiency Perovskite Solar Cells", **2019 JSAP The 66<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2019)**, Mar. 9-12, Tokyo, Japan.
18. 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 66<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2019)**, Mar. 9-12, Tokyo, Japan.

#### 2018-

19. Wei-Jih Lin, and [Kun-Mu Lee\\*](#), "Control Electron Collection and Transportation of TiO<sub>2</sub> Electrode for High Efficiency Perovskite Solar Cells", **2018 ISOS-11 The 11<sup>th</sup> International Summit on Organic and Hybrid Photovoltaics Stability (ISOS-11 2018)**, Oct. 21-25, Suzhou, China.
20. Hsin Lo, and [Kun-Mu Lee\\*](#), "Thermal Treatment on The Photoelectric Properties and Stability of Mixed-Cation Perovskite Solar Cells", **2018 ISOS-11 The 11<sup>th</sup> International Summit on Organic and Hybrid Photovoltaics Stability (ISOS-11 2018)**, Oct. 21-25, Suzhou, China.
21. [Kun-Mu Lee\\*](#), "Effect of Anti-Solvent Treatment on Fabrication of Large Area Perovskite Solar Cells", **2018 JSAP The 65<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2018)**, Mar. 17-20, Tokyo, Japan.
22. [Kun-Mu Lee\\*](#), "Influence of The Titanium Dioxide Nano-Particles Size on the Performance of Mesoscopic Perovskite Solar Cell", **2018 JSAP The 65<sup>th</sup> Japan Society of Applied Physics Spring Meeting (JSAP 2018)**, Mar. 17-20, Tokyo, Japan.

## 2017-

23. 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 2<sup>nd</sup> International Workshop on Graphene and C3N4-based Photocatalysts (IWGCP2)**, Mar. 24-27, Wuhan, China.

## 2016-

24. Hao-Chien Cheng, and Kun-Mu Lee\*, "The Effect of Electrodeposition Current of PbO<sub>2</sub> Film on The Performance of CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> Perovskite Solar Cells", **PSCO-2016: 2<sup>nd</sup> International Conference on Perovskite Solar Cells and Optoelectronics (PSCO-2016)**, Sep. 26-28, Palazzo Ducale, Genova, Italy.
25. 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: 2<sup>nd</sup> International Conference on Perovskite Solar Cells and Optoelectronics (PSCO-2016)**, Sep. 26-28, Palazzo Ducale, Genova, Italy.
26. 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
27. 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.