

## International Conference Papers List

### 2021-

1. Yu-Ching Huang\*, and Tai-Yung Wang, "The Annealing Mechanism Effect on Polymer Crystallography Based on Photomultiplication Type Organic Photodetectors", **2021 TACT International Thin Films Conference (TACT 2021)**, Nov. 15-18, Virtual Conference.
2. 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.
3. Yu-Ching Huang\*, Chi-Wei Wu, Yu-Xuan Huang, and Shao-Sian Li, "Additives Engineering to Replace Anti-Solvent Method", **2021 MRSTIC Materials Research Society-Taiwan International Conference (MRSTIC 2021)**, Nov. 13-17, Virtual Conference. **(Second Prize)**.
4. Yu-Ching Huang\*, Kang-Wei Chang, Ssu-Yung Chung, and Chia Feng Li, "The Role of The Third Component in Ternary Indoor Organic Photovoltaics", **2021 MRSTIC Materials Research Society-Taiwan International Conference (MRSTIC 2021)**, Nov. 13-17, Virtual Conference.

### 2020-

5. Yu-Ching Huang\*, Madhuja Layek, Chia-Feng Li, and Zhi-Hao Huang, "Effect of Different Substrates on Oxygen Sensing Using CsPbBr<sub>3</sub> Quantum Dots", **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. **(Excellent Poster Award)**
6. Yu-Ching Huang\*, Zhi-Hao Huang, and Zih-Ting Chen, "Effect of Different Solvents on Solution Processed Organic Photodetector" **2020 IEDMS International Electron Devices & Materials Symposium (IEDMS 2020)**, Oct. 15-16, Taoyuan, Taiwan.
7. Yu-Ching Huang\*, Madhuja Layek, Chia-Feng Li, and Zhi-Hao Huang, "Cesium Lead Bromide Nanocrystals Synthesis, Modification and Sensing Application" **2020 IEDMS International Electron Devices & Materials Symposium (IEDMS 2020)**, Oct. 15-16, Taoyuan, Taiwan.
8. Yu-Ching Huang, Abdul Khalik Akbar\*, Chia-Feng Li, Kang-Wei Chang, Si-Yong Zhong, and Wei Liu, "Effect of High Open Circuit Voltage Organic Photovoltaic Applied to Indoor Light on Performance" **2020 IEDMS International Electron Devices & Materials Symposium (IEDMS 2020)**, Oct. 15-16, Taoyuan, Taiwan. **(Oral Presentation)**
9. Yu-Ching Huang\*, Shih-Han Cheng, and Chia-Feng Li, "The Influence of Electronic Transmit Layer of Large Area Organic Photovoltaic on Indoor Light Efficiency" **2020 IEDMS International Electron Devices & Materials Symposium (IEDMS 2020)**, Oct. 15-16, Taoyuan, Taiwan. **(Oral Presentation)**

## 2019-

10. Yu-Ching Huang\*, Zhi-Hao Huang, Kai-Shun Huang, and Yun-Ming Sung, "Efficient Organic Photodetector Processed From Green Solvent" **2019 A-COE The 11<sup>th</sup> Asian Conference on Organic Electronics (A-COE 2019)**, Nov. 6-9, New Taipei, Taiwan.
11. Yu-Ching Huang\*, Chia-Feng Li, Kai-Shun Huang, Yu-Xuan Huang, and Yun-Ming Sung, "Highly Efficiency Organic Photovoltaics Based on Near-Infrared Non-Fullerene Acceptor Under Indoor Lighting Environments" **2019 A-COE The 11<sup>th</sup> Asian Conference on Organic Electronics (A-COE 2019)**, Nov. 6-9, New Taipei, Taiwan.
12. Yu-Ching Huang\*, Po-Hung Liu, and Yun-Ming Sung, "Effect of Electron Transport Layer on the Indoor Performance of Organic Photovoltaic" **2019 A-COE The 11<sup>th</sup> Asian Conference on Organic Electronics (A-COE 2019)**, Nov. 6-9, New Taipei, Taiwan.
13. Ting-Tzu Wu, Pei-Huan Lee, Chia-Feng Li, Chih-Hao Huang, Po-Hung Liu, Yu-Ching Huang\*, and Wei-Fang Su\*, "Low-Temperature and Solution Processable Nickel Oxide Nanoparticles for High Efficient Perovskite Solar Cell" **2019 A-COE The 11<sup>th</sup> Asian Conference on Organic Electronics (A-COE 2019)**, Nov. 6-9, New Taipei, Taiwan.
14. 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.
15. Pei-Huan Lee, Ting-Tzu Wu, Chia-Feng Li, Yu-Ching Huang\*, and Wei-Fang Su\*, "Semi-Transparent P-I-N Planar Perovskite Solar Cell for 4-Terminal Perovskite/Silicon Tandem Solar Cell by Using Multi-Functional Electron Transport Layer" **2019 A-COE The 11<sup>th</sup> Asian Conference on Organic Electronics (A-COE 2019)**, Nov. 6-9, New Taipei, Taiwan.
16. Madhuja Layek, and Yu-Ching Huang\*, "Increasing the Sensitivity of Perovskite (CsPbBr<sub>3</sub>) Quantum Dot Gas Sensor Using Anodic Aluminum Oxide" **2019 A-COE The 11<sup>th</sup> Asian Conference on Organic Electronics (A-COE 2019)**, Nov. 6-9, New Taipei, Taiwan.
17. Yu-Ching Huang\*, Chia-Feng Li, Zhi-Hao Huang, Po-Hung Liu, Yu-Xuan Huang, Kai-Shan Huang, and Yun-Ming Sung, "Investigation for Indoor Performance of Organic Photovoltaics Based on Non-fullerene Acceptors Materials" **2019 FAPS The 6<sup>th</sup> Federation of Asian Polymer Societies Polymer Congress (FAPS 2019)**, Oct. 27-30, Taipei, Taiwan. (Oral Presentation)

## 2018-

18. Yu-Ching Huang\*, Yun-Ming Sung, Chia-Feng Li, Zhi-Hao Huang, Po-Hung Liu, and Cheng-Si Tsao, "Slot-Die Coated Small Molecule Photovoltaics with High Efficiency and Enhanced Photo-Stability" **2018 ISOS-11 The 11<sup>th</sup> International Summit on Organic and Hybrid Photovoltaics Stability (ISOS-11 2018)**, Oct. 21-25, Suzhou, China.

## 2017-

19. Chia-Te Yen, Zhe-Cheng Hu, Yu-Ching Huang\*, Zheng-Lin Yu, Yun-Ming Sung, Hou-Chin Cha, Tsui-Yun Chung, Cheng-Yu Chen, Ching-Yu Lee, and Cheng-Si Tsao\*, "Towards Highly Efficient Organic Photovoltaics under Indoor Light Illumination", **2017 IUMRS-ICA International Union of Materials Research Societies International Conference in Asia (IUMRS-ICA 2017)**, Nov. 5-9, Taipei, Taiwan.

20. Hou-Chin Cha, Tsui-Yun Chung, [Yu-Ching Huang\\*](#), Yun-Ming Sung, Chia-Te Yen, Zheng-Lin Yu, Cheng-Yu Chen, Ching-Yu Lee, Zhe-Cheng Hu, and Cheng-Si Tsao\*, "Roll-to-roll Printing Fabrication Fully-Solution Large-Area Flexible Organic Photovoltaic Module under Air", **2017 IUMRS-ICA International Union of Materials Research Societies International Conference in Asia (IUMRS-ICA 2017)**, Nov. 5-9, Taipei, Taiwan.
21. Yun-Ming Sung, Ching-Yu Lee, [Yu-Ching Huang\\*](#), Zheng-Lin Yu, Hou-Chin Cha, Chia-Te Yen, Tsui-Yun Chung, Cheng-Yu Chen, Zhe-Cheng Hu, and Cheng-Si Tsao\*, "Improvement of Photo-Stability of Highly Efficient Organic Photovoltaics by Surface Modification of ZnO Nanoparticles", **2017 IUMRS-ICA International Union of Materials Research Societies International Conference in Asia (IUMRS-ICA 2017)**, Nov. 5-9, Taipei, Taiwan.
22. Yun-Ming Sung, [Yu-Ching Huang\\*](#), Hou-Chin Cha, Chia-Te Yen, Zheng-Lin Yu, Tsui-Yun Chung, Cheng-Yu Chen, Ching-Yu Lee, Zhe-Cheng Hu, Chih-Min Chuang, Charn-Yin Chen, and Cheng-Si Tsao\*, "Effect of Buffer Layer between Photoactive Layer and Top Electrode on the Burn-in Thermal Degradation of Organic Photovoltaics", **2017 ISOS The 10<sup>th</sup> International Summit on Stability of Organic and Perovskite Solar Cells (ISOS-10 2017)**, Oct. 18-20, Malta.

## 2016-

23. [Yu-Ching Huang\\*](#), Zheng-Lin Yu, Hou-Chin Cha, Chia-Te Yen, Yun-Ming Sung, De-Han Lu, Tsui-Yun Chung, Yu-Han Su, Chih-Min Chuang, Charn-Yin Chen, and Cheng-Si Tsao, "Effect of Hole Transport Layer on The Thermal and Damp-Heat Stability of Large-Area Sprayed-Coating Inverted Polymer Solar Cells", **2016 ISOS The 9<sup>th</sup> International Summit on Stability of Organic and Perovskite Solar Cells (ISOS-9 2016)**, Oct. 12-14, Germany.
24. [Yu-Ching Huang\\*](#), Hou-Chin Cha, Zheng-Lin Yu, De-Han Lu, Chia-Te Yen, Tsui-Yun Chung, Yun-Ming Sung, Yu-Han Su, Chih-Min Chuang, Charn-Yin Chen, and Cheng-Si Tsao, "Improvement in Performance and Stability of Large-Area Printed Inverted Polymer Solar Cells and Module", **2016 EU PVSEC The 32<sup>th</sup> European Photovoltaic Solar Energy Conference and Exhibition (EU PVSEC 2016)**, June, 20-24, Munich, Germany.

## 2015-

25. [Yu-Ching Huang\\*](#), "Large-area Fabrication of High-Performance Polymer Solar Cells", **2015 OPTIC Optics & Photonics Taiwan, International Conference-Annual Meeting of Taiwan Photonics Society (OPTIC 2015)**, Dec. 4-6, National Tsing Hua University, Hsinchu, Taiwan. **(Invited Speaker)**
26. [Yu-Ching Huang\\*](#), "Large-Area Printing Technology for Organic Photovoltaics", **2015 IWFPE International Workshop on Flexible & Printable Electronics (IWFPE 2015)**, Nov. 4-6, Korea. **(Invited Speaker)**
27. Hou-Chin Cha\*, [Yu-Ching Huang\\*](#), Chih-Min Chuang, Chia-Te Yen, De-Han Lu, Cheng-Wei Chou, Zheng-Lin Yu, Charn-Ying Chen, and Cheng-Si Tsao, "Critical Factors for Performance Improvement of Roll-to-Roll Slot-Die Coated Halogen-Free Inverted Polymer Solar Cells", **2015 IWFPE International Workshop on Flexible & Printable Electronics (IWFPE 2015)**, Nov. 4-6, Korea. **(Best Poster Award)**
28. [Yu-Ching Huang\\*](#), Hou-Chin Cha, De-Han Lu, Cheng-Wei Chou, Chia-Te Yen, Chih-Min Chuang, Charn-Yin Chen, and Cheng-Si Tsao, "Stability Study of Spray- and Slot-Die-Coated Polymer Solar Cells and Modules", **2015 B-MRS XIV Brazilian Materials Research Society Annual Meeting (B-MRS 2015)**, Sep. 27- Oct. 1, Brazil.
29. Chun-Yu Chang, Cheng-Si Tsao, [Yu-Ching Huang](#), and Wei-Fang Su, "In Situ Synchrotron Scattering Studies of The Crystallization Kinetic of The Drop-Casting Organic-Inorganic Hybrid Perovskite Film", **2015 B-MRS XIV Brazilian Materials Research Society Annual Meeting (B-MRS 2015)**, Sep. 27- Oct. 1, Brazil.

30. Hou-Chin Cha, [Yu-Ching Huang\\*](#), De-Han Lu, Cheng-Wei Chou, Zheng-Lin Yu, Chia-Te Yen, Chih-Min Chuang, Charn-Ying Chen, and Cheng-Si Tsao, "Performance Improvement of Large-Area Inverted Polymer Solar Cell by Roll-To-Roll Slot-Die-Coated Process", **2015 ISMTII The 12th International Symposium on Measurement Technology and Intelligent Instruments (ISMTII 2015)**, Sep. 22-25, Taiwan.
31. De-Han Lu, [Yu-Ching Huang\\*](#), Cheng-Wei Chou, Hou-Chin Cha, Zheng-Lin Yu, Chia-Te Yen, Chih-Min Chuang, Charn-Ying Chen, and Cheng-Si Tsao, "Performance of Large-Area Inverted Polymer Solar Cells Improved by Embedded Inject-Printed Ag Grid", **2015 ISMTII The 12th International Symposium on Measurement Technology and Intelligent Instruments (ISMTII 2015)**, Sep. 22-25, Taiwan.

#### 2014-

32. Hou-Chin Cha, [Yu-Ching Huang\\*](#), Fan-Hsuan Hsu, Chih-Min Chuang, De-Han Lu, Cheng-Wei Chou, Charn-Yin Chen, and Cheng-Si Tsao, "Lowering the Performance Reduction of Up-Scaling Inverted P3HT:PCBM Solar Cells Using Slot-Die-Coating Processing", **2014 EU PVSEC The 29th European Photovoltaic Solar Energy Conference and Exhibition (EU PVSEC 2014)**, Sep. 22-26, Amsterdam, The Netherlands.
33. [Yu-Ching Huang\\*](#), Cheng-Si Tsao\*, Tzu-Yen Huang, Hou-Chin Cha, Dhananjaya Patra, Chun-Jen Su, U-Ser Jeng, Kuo-Chuan Ho, Kung-Hwa Wei, and Chih-Wei Chu\*, "Hierarchical Bulk Heterojunction Structure of Solution-Processed Small-Molecule Organic Solar Cell Studied by Synchrotron Scattering", **2014 IUMRS-ICEM International Union of Materials Research Societies-International Conference on Electronic Materials (IUMRS-ICEM 2014)**, June 10-14, Taipei, Taiwan. **(Best Poster Award)**
34. [Yu-Ching Huang\\*](#), Wei-Chen Chang, Charn-Ying Chen, and Cheng-Si Tsao, "Tailoring a High Performance of Inverted Polymer Solar Cell by Modifying The Electron Transport Layer", **2014 IUMRS-ICEM International Union of Materials Research Societies-International Conference on Electronic Materials (IUMRS-ICEM 2014)**, June 10-14, Taipei, Taiwan.
35. Hou-Chin Cha, [Yu-Ching Huang\\*](#), Charn-Ying Chen, and Cheng-Si Tsao, "Controlling the Formation of Organic Photoactive Layer of Roll-to-Roll Processed Polymer Solar Cells", **2014 IUMRS-ICEM International Union of Materials Research Societies-International Conference on Electronic Materials (IUMRS-ICEM 2014)**, June 10-14, Taipei, Taiwan.
36. Chun-Yu Chang, [Yu-Ching Huang](#), Hsueh-Chung Liao, and Cheng-Si Tsao\*, Chien-An Chen, Meng-Huan Jao, Cheng-Ya Chu and Wei-Fang Su\*, "Quantitative Correlation of Nanomorphology and Performance of High-Efficiency Isoindigo-Based Copolymers Solar Cells Tailored by Solvent and Additive", **2014 IUMRS-ICEM International Union of Materials Research Societies-International Conference on Electronic Materials (IUMRS-ICEM 2014)**, June 10-14, Taipei, Taiwan.
37. Meng-Huan Jao, [Yu-Ching Huang\\*](#), Hsueh-Chung Liao, Cheng-Si Tsao, and Wei-Fang Su, "Morphological Characterization of Vertically Phase-Separated Ternary Polymer Solar Cells toward High Performance", **2014 IUMRS-ICEM International Union of Materials Research Societies-International Conference on Electronic Materials (IUMRS-ICEM 2014)**, June 10-14, Taipei, Taiwan.

#### 2013-

38. Hou-Chin Cha\*, [Yu-Ching Huang](#), Chih-Min Chuang, Fan-Hsuan Hsu, De-Han Lu, Cheng-Wei Chou, Charn-Ying Chen, and Cheng-Si Tsao\*, "Performance Improvement of Large-Area Roll-To-Roll Slot-Die Coated Inverted Polymer Solar Cell by Tailoring Electron Transport Layer", **2013 PVSEC-23 The 23<sup>rd</sup> International Photovoltaic Science and Engineering Conference (PVSEC-23 2013)**, Oct. 28-Nov. 1, Taipei, Taiwan.

39. Yu-Ching Huang\*, Cheng-Si Tsao\*, Hou-Chin Cha, Fan-Hsuan Hsu, Chih-Min Chuang, Chun-Jen Su, U-Ser Jeng, and Charn-Ying Chen, "Hierarchical Structure of Spray-Coated Bulk-Heterojunction Blend Film Studied by Grazing Incidence Small- and Wide- Angle X-Ray Scattering", **2013 PVSEC-23 The 23<sup>rd</sup> International Photovoltaic Science and Engineering Conference (PVSEC-23 2013)**, Oct. 28-Nov. 1, Taipei, Taiwan.
40. Cheng-Wei Chou, Yu-Ching Huang\*, Charn-Ying Chen, and Cheng-Si Tsao, "Effect of Nitrogen Plasma Treatment on All-Sprayed Inverted Polymer Solar Cells", **2013 PVSEC-23 The 23<sup>rd</sup> International Photovoltaic Science and Engineering Conference (PVSEC-23 2013)**, Oct. 28-Nov. 1, Taipei, Taiwan.
41. De-Han Lu, Yu-Ching Huang\*, Cheng-Wei Chou, Charn-Ying Chen, and Cheng-Si Tsao, "Employing a Surface Modifier to Enhance the Performance of Large-Area Inverted Polymer Solar Cells by Spray Coating Process", **2013 PVSEC-23 The 23<sup>rd</sup> International Photovoltaic Science and Engineering Conference (PVSEC-23 2013)**, Oct. 28-Nov. 1, Taipei, Taiwan.

#### 2012-

42. Yu-Ching Huang\*, Hou-Chin Cha, Chia-Hsin Lee, Fan-Hsuan Hsu, Chih-Min Chuang, Wei-Fang Su, Cheng-Si Tsao, and Charn-Ying Chen, "Performance and Stability of Inverted Polymer Solar Cells Using Spray Process", **2012 GSAS Organic Solar Cell Symposium and Global School for Advanced Studies (GSAS 2012)**, Sep. 17-21, Taipei, Taiwan.
43. Hou-Chin Cha\*, Chih-Min Chuang, Yu-Ching Huang, Fan-Hsuan Hsu, Cheng-Si Tsao, and Charn-Ying Chen, "Ultrasonic Spray-Coating of Polymer Solar Cells", **2012 GSAS Organic Solar Cell Symposium and Global School for Advanced Studies (GSAS 2012)**, Sep. 17-21, Taipei, Taiwan.
44. Fan-Hsuan Hsu, Chih-Min Chuang, Hou-Chin Cha, Yu-Ching Huang, Cheng-Si Tsao, and Charn-Ying Chen, "ITO-Free Polymer Solar Cell Based on Ag Grid/PEDOT:PSS Hybrid Electrode", **2012 GSAS Organic Solar Cell Symposium and Global School for Advanced Studies (GSAS 2012)**, Sep. 17-21, Taipei, Taiwan.

#### 2011-

45. Chih-Min Chuang\*, Hou-Chin Cha, Fan-Hsuan Hsu, Yu-Ching Huang, Chia-Hsin Lee, Charn-Ying Chen, Wei-Fang Su, and Cheng-Si Tsao, "Ultrasonic Spray Deposition for Production of Organic Solar Cells", **2011 IUMRS-ICA The 12<sup>th</sup> International Union of Materials Research Societies International Conference in Asia (IUMRS-ICA 2011)**, Sep. 19-22, Taipei, Taiwan.

#### 2010-

46. Ming-Chung Wu, Chih-Min Chuang, Yu-Ching Huang, Yi-Jen Wu, Kuo-Chung Cheng, Ching-Fuh Lin, Yang-Fang Chen, and Wei-Fang Su\*, "Nanopatterned Optical and Magnetic La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub> Arrays: Synthesis, Fabrication, and Properties", **SPIE Photonics West 2010**, Jan. 23-28, San Francisco, USA. (Invited Speaker)

#### 2009-

47. Yu-Ching Huang, Ming-Chung Wu, and Wei-Fang Su\*, "Quantitative Nanoscale Monitoring Morphology and Optical Properties of Polymer-Nanoparticle Hybrid Material Used in Photovoltaic Devices", **2009 EU PVSEC The 24<sup>th</sup> European Photovoltaic Solar Energy Conference and Exhibition (EU PVSEC 2009)**, Sep. 21-25, Hamburg, Germany.

#### 2008-

48. Yu-Ching Huang, Jen-Hon Hsu, Yulia Galagan, Wei-Chen Yen, Yu-Chia Liao, Chun-Wei Chen, and Wei-Fang Su\*, "Improve Charge Separation in P3HT/TiO<sub>2</sub> Nanorod Bulk Heterojunction Solar Cell Using Carboxylate Terminated 3-Hexylthiophene Oligomer", **2008 Organic Microelectronics & Optoelectronics Workshop IV**, July. 7-10, San Francisco, California, USA.

49. Ming-Chung Wu, Yu-Chia Liao, Yi Chou, Chin-Feng Lin, [Yu-Ching Huang](#), Yang-Fang Chen, and Wei-Fang Su\*, "Enhance Photoluminescence of Conducting Polymer by Using Gold Surface Plasmon of Dual-Functional Electron Beam Resist", **2008 Organic Microelectronics & Optoelectronics Workshop IV**, July. 7-10, San Francisco, California, USA.
50. Ming-Chung Wu, Chih-Min Chuang, [Yu-Ching Huang](#), Ching-Fuh Lin, Yang-Fang Chen, and Wei-Fang Su\*, "Nanopatterned Optical and Magnetic  $\text{La}_{0.6}\text{Ca}_{0.4}\text{MnO}_3$  Arrays: Synthesis, Fabrication, and Properties", **2008 MRS Materials Research Society Spring Meeting & Exhibit (MRS 2008)**, Mar. 24-28, San Francisco, California, USA

## 2007-

51. Ming-Chung Wu, Hsi-Hsing Lo, Sharon Chen, [Yu-Ching Huang](#), Yang-Fang Chen, Chun-Wei Chen, and Wei-Fang Su\*, "Scanning Near-Field and Confocal Raman Microscopic Investigation of Different Molecular Weight P3HT and  $\text{TiO}_2$  System for Photovoltaic Devices", **2007 PVSEC-17 The 17<sup>th</sup> International Photovoltaic Science and Engineering Conference (PVSEC-17 2007)**, Dec. 3-7, Fukuoka, Japan.
52. [Yu-Ching Huang](#), Ming-Chung Wu, Chun-Wei Chen, and Wei-Fang Su\*, "Optical Study of Nanostructure P3HT/PCBM Hybrid Photovoltaic Devices", **2007 PVSEC-17 The 17<sup>th</sup> International Photovoltaic Science and Engineering Conference (PVSEC-17 2007)**, Dec. 3-7, Fukuoka, Japan.
53. Ming-Chung Wu, Chih-Min Chuang, [Yu-Ching Huang](#), Wei-Che Yen, Hsi-Hsing Lo, Yang-Fang Chen, and Wei-Fang Su\*, "Luminescent Nanolithography Made from Polymer Blend of Conjugating Polymer and PMMA", **2007 Taiwan-US Soft Materials Symposium**, Jan. 4-6, Taipei, Taiwan.

## 2006-

54. Ming-Chung Wu, [Yu-Ching Huang](#), and Wei-Fang Su\*, "Silver Cofirability Differences Between  $\text{Bi}_{1.5}\text{Zn}_{0.92}\text{Nb}_{1.5}\text{O}_{6.92}$  and  $\text{Zn}_3\text{Nb}_2\text{O}_8$ ", **2006 MMA The 4<sup>th</sup> International Conference on Microwave Material and Their Applications (MMA 2006)**, June. 12-15, Oulu, Finland.
55. Ming-Chung Wu, Ming-Kang Hsieh, [Yu-Ching Huang](#), Cheng-Wei Yen, Welter Huang, and Wei-Fang Su\*, "Low Sintering  $\text{Ba}_{4.5}\text{Nd}_9\text{Ti}_{18}\text{O}_{54}$  Microwave Ceramics Prepared by CuO Atomic Layer Coated Powder", **2006 MMA The 4<sup>th</sup> International Conference on Microwave Material and Their Applications (MMA 2006)**, June. 12-15, Oulu, Finland.
56. [Yu-Ching Huang](#), Cheng-Wei Yen, Ming-Chung Wu, and Wei-Fang Su\*, "Sol-Gel Synthesis of  $\text{Ba}_4\text{Nd}_{9.33}\text{Ti}_{18}\text{O}_{54}$  Fiber and Its Application to Low-Shrinkage Microwave Dielectric Ceramics", **2006 MMA The 4<sup>th</sup> International Conference on Microwave Material and Their Applications (MMA 2006)**, June. 12-15, Oulu, Finland. (3<sup>rd</sup> Place Prize Poster Paper)
57. [Yu-Ching Huang](#), Ming-Chung Wu, Tze-Hsuan Chang, Jean-Fu Kiang, and Wei-Fang Su\*, "Broadband DR Antenna Made of High-Q Ceramic", **2006 MMA The 4<sup>th</sup> International Conference on Microwave Material and Their Applications (MMA 2006)**, June. 12-15, Oulu, Finland.

## 2005-

58. Chih-Min Chuang, Ming-Chung Wu, [Yu-Ching Huang](#), Yang-Fang Chen and Wei-Fang Su\*, "Enhanced Photoluminescence of Semiconducting Nanoparticles by Novel Magnetic LSMO Photonic Crystal", **2005 Workshop on Photonic Crystals and Nano Photonics**, Nov. 4-5, Taipei, Taiwan.