

陳皇銘

著作目錄

期刊論文

1. Huang-Yu Lin, Sheng-Wen Wang, Chien-Chung Lin, Zong-Yi Tu, Po-Tsung Lee, Huang-Ming Chen, and Hao-Chung Kuo (2016, May). Effective optimization and analysis of white LED properties by using nano-honeycomb patterned phosphor film. *Optics Express*, 24(17), 19032-19039.
2. Sheng-Wen Wang, Huang-Yu Lin, Chien-Chung Lin, Tsung Sheng Kao, Kuo-Ju Chen, Hau-Vei Han, Jie-Ru Li, Po-Tsung Lee, Huang-Ming Chen, Ming-Hui Hong & Hao Chung Kuo (2016, Mar). Pulsed-laser micropatterned quantum-dot array for white light source. *Scientific Reports*, 6:23563.
3. Huang-Yu Lin, Zhi-Ting Ye, Chien-Chung Lin, Kuo-Ju Chen, Hsien-Hao Tu, Huang-Ming Chen, Cheng-Huan Chen, and Hao-Chung Kuo (2016, Jan). Improvement of light quality by ZrO₂ film of chip on glass structure white LED. *Optics Express*, 24(2), A341-A349.
4. Huang-Yu Lin, Sheng-Wen Wang, Chien-Chung Lin, Kuo-Ju Chen, Hau-Vei Han, Zong-Yi Tu, Hsien-Hao Tu, Teng-Ming Chen, Min-Hsiung Shih, Po-Tsung Lee, Huang-Ming Philip Chen, and Hao-Chung Kuo (2016). Excellent Color Quality of White-Light-Emitting Diodes by Embedding Quantum Dots in Polymers Material. *IEEE Journal of Selected Topics in Quantum Electronics*, 22(1), 2000107.
5. Hau-Vei Han, Huang-Yu Lin, Chien-Chung Lin, Wing-Cheung Chong, Jie-Ru Li, Kuo-Ju Chen, Peichen Yu, Teng-Ming Chen, Huang-Ming Chen, Kei-May Lau, and Hao-Chung Kuo (2015, Dec). Resonant-enhanced full-color emission of quantum-dot-based micro LED display technology. *Optics Express*, 23(25), 32504-32515.
6. Hyeyoung Ahn*, Wei-Hyun Liou, Huang-Ming Philip Chen, and Chia-Hung Hsu (2015, Feb). Anisotropic exciton relaxation in nanostructured metal (Zn and F(16)Zn)-phthalocyanine. *Opt Express*, 23(3) 3230-3235.
7. Pao-Ju Hsieh, Huang-Ming Philip Chen (2015, Jan). Hysteresis-free polymer-stabilised blue phase liquid crystals comprising low surface tension monomers. *Liquid Crystal*, 42(2), 216 – 221. 本人為通訊作者。
8. En-Chen Chen, Pei-Ting Tsai, Chia-Ying Tsai, Jung-Hao Chang, Zheng-Yu Huang, Hsin-Fei Meng, *, Huang-Ming Chen, **, Hao-Wu Lin, * * *, Sheng-Fu

Horng, Hsiao-Wen Zan (2014). ITO-free inverted polymer solar cell on metal substrate with top-illumination. *Synthetic Metals*, 187, pp.172– 177 . 本人為通訊作者.

9. Pao-Ju Hsieh and Huang-Ming Philip Chen (2011, Sep). Evaluation of Kerr constant of blue-phase liquid crystals by measuring off-axis retardation in vertical electric field cells. *APPLIED OPTICS* , 50, P. 5299-5302. (SCI).

專書

1. Huang-Ming P. Chen, Jane J. Ou, and Shaw H. Chen . *Glassy Liquid Crystals as Self-Organized Films for Robust Optoelectronic Devices* . Nanoscience with Liquid Crystals. Chapter 6, p.179-208. , 2014. : Springer International Publishing. Jan, 2014.

研討會論文

1. Pey-Yun Chuang, Huang-Ming Philip Chen* (2016, Sep). A High Sensitivity Gas Sensor for Nitric Oxide: Poly-Si Nanowire FETs with Phthalocyanine Complexes Surface Modification. Solid State Device and Materials (SSDM 2016). 本人為通訊作者.
2. Ting Ya Cheng, Huang-Ming Philip Chen* (2016, Sep). Copper phthalocyanine and Hexadecafluorophthalocyanine Enhancing Nitric Oxide Gas Sensitivity of p-Si NWs FETs. Solid State Device and Materials (SSDM 2016), Tsukuba, Japan. 本人為通訊作者.
3. Jhou-Pu Yang, En-Lin Hsiang, and Huang-Ming Philip Chen* (2016, May). Wide Viewing Angle TN LCD Enhanced by Printed Quantum-Dots Film. Society for Information Display International Symposium (SID 2016), San Jose, USA. 本人為通訊作者.
4. Jui-Shan Hsu, and Huang-Ming Philip Chen (2015, Sep). Ammonia Gas Sensor based on Surface Modified Poly-Si Nanowires Field Effect Transistor. Solid State Device and Materials (SSDM 2015), Sapporo, Japan. 本人為通訊作者.
5. Huo Ting, and Huang-Ming Philip Chen (2014, Dec). 台灣光電科技研討 (OPTIC 2014). 台灣光電科技研討(OPTIC 2014), 台中.
6. Hsuan-Han Lyu, Huang-Ming Philip Chen* (2014, Sep). Ammonia Gas Sensor Based on the Solution-Crystallized Organic Field-Effect Transistors with Organic Acceptors. Solid State Device and Materials (SSDM 2014), Tsukuba, Japan. 本人為通訊作者.
7. Wei-Ting Kuo, Yuan-Ren Lo, Yuh-Shyong Yang, Huang-Ming Philip Chen*

- (2014, Sep). Surface Modified Poly-crystalline Silicon Nanowires Field Effect Transistor for Ammonia Gas Sensor. Solid State Device and Materials (SSDM 2014) , Tsukuba, Japan. 本人為通訊作者.
8. Hsuan-Tung Chu, and Huang-Ming Philip Chen* (2014, Jul). Simple Fabrication Process for Multi-ring Electrodes Liquid Crystal Lens. International Liquid Crystal Conference (ILCC 2014) , Dublin, Ireland. 本人為通訊作者.
 9. Jian-Siang Huang, and Huang-Ming Philip Chen * (2014, Jun). Electrode Surface Modified VA-IPS Liquid Crystal Device. SID 2014, Display Week, Society for Information Display. , San Diego, California. NSC 101-2622-E-009-001-CC2. 本人為通訊作者.
 10. Chun-Hsi Lai, and Huang-Ming Philip Chen (2013, Apr). Ammonia gas sensor based on the modification Poly-Si nanowires FET. 2013 International Display Manufacturing Conference (IDMC 2013), Taipei, Taiwan. 本人為通訊作者.
 11. Jian-Tzung Chen, and Huang-Ming Philip Chen (2013, Apr). Poly-Si NWs FET surface modification for gas sensing applications. 2013 International Display Manufacturing Conference (IDMC 2013) . 本人為通訊作者.
 12. Zhi-Bin Chen and Huang-Ming Philip Chen (2013, Apr). High Contrast Ratio and Low Driving Voltage of Reversed-Mode Polymer Stabilized Cholesteric Texture Light Shutter. 2013 International Display Manufacturing Conference (IDMC 2013). 本人為通訊作者. Best Poster Award.
 13. Yi-Fan Liang*, Huang-Ming Philip Chen * (2013, Mar). Low Driving Voltage and Gray Scale Capability of Nanostructure Enhanced Cholesteric Liquid Crystal Device. Society for Information Display's Display Week 2013 . 本人為第一作者、通訊作者.
 14. Huang-Ming Philip Chen, Bo-Yu Chu, Wei-Kang Ji (2012, Sep). Titanyl-phthalocyanine Organic Thin Film Transistor Gas sensor on Planarized Stainless Steel Foil. International Conference on Flexible and Printed Electronics 2012 (ICFPE 2012), Tokyo, Japan. 本人為第一作者、通訊作者. 本論文被選入poster award candidate.
 15. Huang-Ming Philip Chen, Chih-Han Huang (2012, Sep). Jumper Circuit Deposited by Aerosol Jet Printing on Planarized Stainless Steel Foil. International Conference on Flexible and Printed Electronics 2012(ICFPE 2012) , Tokyo, Japan. 本人為第一作者、通訊作者.
 16. P. J. Hsieh, and H. M. P. Chen (2012, Aug). Blue Phase Kerr Constant Evaluation by Measuring Off-axis Retardation. International Liquid Crystal Conference 2012(ILCC 2012), Mainz, Germany.
 17. P. J. Hsieh, and H. M. P. Chen (2012, Aug). The Pinning Effect of Polymer-Stabilized Blue Phase Liquid Crystal Medium Sustained By Fluorine-Containing

Polymer Network. International Liquid Crystal Conference 2012(ILCC 2012), Mainz, Germany.

18. Chi-Wen Lin, Huang-Ming Philip Chen (2011, Dec). Liquid Crystal Gratings Based on Striped Electrodes. 2011 International Display Manufacturing Conference, Japan.
19. Yen-Ren Lo, Huang-Ming Philip Chen, and Yuh-Shyong Yang (2011, Apr). Recoverable chemical passivation effect on uncapped polycrystalline silicon nanowire devices in gas phase. 2011 MRS Spring Meeting Symposium, San Francisco, CA USA. NSC 99-2627-B-009-007.
20. Yu-Hsiang Lin, Huang-Ming P. Chen (2011, Feb). Low Driving Voltage, Gray Scale Available Cholesteric Liquid Crystal Device. 2011 International Display Manufacturing Conference , Taiwan.
21. 方翼銘、楊宙圃、陳皇銘（2013年12月）。高分子聚合垂直配向之光電特性分析。中華民國液態晶體學會2013年年會。本人為通訊作者。
22. 梁一凡、侯昕佑、陳皇銘（2013年12月）。表面奈米銀結構應用於膽固醇液晶元件之研究。中華民國液態晶體學會2013年年會。本人為通訊作者。