

# 應用科學研究中心

## 期刊論文

- P. J. Chiang and S. W. Chang\*, submitted, "Effect of leakage on threshold of semiconductor laser bonded on silicon-on-insulator substrate", *JOURNAL OF LIGHTWAVE TECHNOLOGY*. (SCI) (IF: 2.567; SCI ranking: 11%,22.2%,14.8%)
- Karunakara Moorthy Boopathi, Ramesh Mohan, Tzu-Yen Huang, Widhya Budiawan, Ming-Yi Lin, Chih-Hao Lee, Kuo-Chuan Ho, Chih-Wei Chu\*, accepted, "synergistic Improvements in Stability and Performance of Lead Iodide Perovskite Solar Cells Incorporating Salt Additives", *Journal of materials chemistry A*. (SCI) (IF: 8.262; SCI ranking: 11.1%,4.5%,7.7%)
- Pin Chieh Wu, Chun Yen Liao, Jia-Wern Chen, Din Ping Tsai\*, accepted, "Isotropic absorption and sensor of vertical split-ring resonator", *Advanced Optical Materials*. (SCI) (IF: 5.359; SCI ranking: 7.8%,12.2%)
- Chih-Hsien Cheng, Tzu-Wei Huang, Chung-Lun Wu, Mu Ku Chen, Cheng Hung Chu, Yuh-Renn Wu, Min-Hsiung Shih, Chao-Kuei Lee, Hao-Chung Kuo, Din Ping Tsai and Gong-Ru Lin\*, accepted, "Transferring the Bendable Substrateless GaN LED Grown on Thin C-rich SiC Buffer Layer to Flexible Dielectric and Metallic Plates", *Journal of Materials Chemistry C*. (SCI) (IF: 5.066; SCI ranking: 12.4%,13.7%)
- Veltman, D. M.; Williams, T. D.; Bloomfield, G; Chen, B.-C.; Betzig, E.; Insall R.H. and Kay, R. R., 2016, "A plasma membrane template for macropinocytic cups", *elife*, 5:e20085. (SCI) (IF: 8.282; SCI ranking: 4.7%)
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- Chong-Rong Wu, Xiang-Rui Chang, Tung-Wei Chu, Hsuan-An Chen, Chao-Hsin Wu, and Shih-Yen Lin\*, 2016, "Establishment of 2D Crystal Heterostructures by Sulfurization of Sequential Transition Metal Depositions: Preparation, Characterization, and Selective Growth", *NANO LETTERS*, 16(11), 7093-7097. (SCI) (IF: 13.779; SCI ranking: 4.8%,4.3%,3%,2.8%,9%,3.6%)
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- Jasmine P. J. Wu, Bill Cheng, Steve R. Roffler\*, David J. Lundy, Christopher Y. T. Yen, Peilin Chen, James J. Lai, Suzie H. Pun, Patrick S. Stayton and Patrick C. H. Hsieh, 2016, "Reloadable multidrug capturing delivery system for targeted ischemic disease treatment", *Science Translational Medicine*, 8, 365RA160. (SCI) (IF: 16.264; SCI ranking: 1.6%,4.3%)
- Hsuan-An Chen, Wei-Hsun Lin, Chiao-Yun Chang, Shu-Wei chang, Min-Hsiung Shih, Shih-Yen Lin\*, 2016, "Type-I to Type-II Transformation of Hybrid Quantum Nanostructures" in its current I", *IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS*, 1-1. (SCI) (IF: 3.466; SCI ranking: 12.2%,17.9%,7.4%)
- Hsin-Wei Chen, Tzu-Yen Huang, Ting-Hsiang Chang, Yoshitaka Sanehira, Chung-Wei Kung, Chih-Wei Chu, Masashi Ikegami, Tsutomu Miyasaka, Kuo-Chuan Ho, 2016, "Efficiency Enhancement

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