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工作經驗：

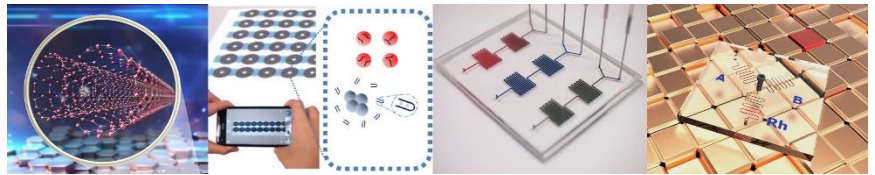
- 2018/08 – 副教授 臺灣大學應用力學所
- 2018/03 – 學術組組長 臺大奈米機電系統研究中心
- 2016 – 2018 助理教授 臺灣大學應用力學所
- 2011 – 2016 助理教授 中興大學醫工所
- 2007 – 2011 Postdoctoral, University of Maryland, College Park

2018 – Associate Editor on *Micro & Nano Letters*

2018 Guest Editor on *Frontiers in Chemistry*

研究領域：

- 微流體系統於材料科學與生醫檢測應用
- 定點檢測醫療照護系統
- 奈米材料於能源應用



榮譽獎項：

- 科技部優秀年輕學者研究計畫 (2018-2021)
- 微流體結核病分子診斷研究成果接受美國化學學會 ACS 與俄羅斯通訊社 TASS 專訪 (2017)

論文著作：

1. Chun-Hui Yang, Chung-An Chen and Chien-Fu Chen* (2018, Jul). Surface Modified Cellulose Paper and Its Application in Infectious Disease Diagnosis. *Sensors and Actuators B: Chemical*, 265, 506-513.
3. Jia-Yu Huang, Hong-Ting Lin, Tzu-Heng Chen, Chung-An Chen, Huan-Tsung Chang* and Chien-Fu Chen* (2018, Jan). Signal Amplified Gold Nanoparticles for Cancer Diagnosis on Paper-Based Analytical Devices. *ACS Sensors*, 3 (1), 174-182.
5. Tsung-Ting Tsai, Chia-Yu Huang, Chung-An Chen, Shu-Wei Shen, Mei-Chia Wang, Chao-Min Cheng and Chien-Fu Chen* (2017, Sep). Diagnosis of Tuberculosis Using Colorimetric Gold Nanoparticles on a Paper-Based Analytical Device. *ACS Sensors*, 2, 1345-1354. 本人為通訊作者。本研究成果接受美國化學學會 (ACS)、與俄羅斯國家通訊社 (TASS, 世界五大通訊社之一) 專訪外, 並由美國科學促進會 (AAAS; Science 出版學會)、電機電子工程師學會 (IEEE) 等單位與國際媒體專文報導。
6. Tsung-Ting Tsai, Tse-Hao Huang, Chih-Jung Chang, Natalie Yi-Ju Ho, Yu-Ting Tseng and Chien-Fu Chen* (2017, Apr). Antibacterial Cellulose Paper Made with Silver-Coated Gold Nanoparticles. *Scientific Reports*, 7, 3155.

7. Allen L Ng, Chien-Fu Chen, Hyejin Kwon, Zhiwei Peng, Cheng S. Lee and YuHuang Wang* (2017, Feb). Chemical Gating of a Synthetic Tube-in-a-Tube Semiconductor. *Journal of the American Chemical Society*, 139(8), 3045–3051.
8. Po-Cheng Chen, Yu-Chi Li, Jia-Ying Ma, Jia-Yu Huang, Chien-Fu Chen* and Huan-Tsung Chang* (2016, Apr). Size-Tunable Copper Nanocluster Aggregates and Their Application in Hydrogen Sulfide Sensing on Paper-Based Devices. *Scientific Reports*, 6, 24882.
9. Jun You Chen, Yi Ting Huang, Hsin Hao Chou, Cheng Po Wang and Chien Fu Chen* (2015, Dec). Rapid and inexpensive blood typing on thermoplastic chips. *Lab on a Chip*, 15(24), 4533-4541. 本文獲選為封底故事.
10. Allen L. Ng, Yong Sun, Lyndsey Powell, Chuan-Fu Sun, Chien-Fu Chen*, Cheng S. Lee and YuHuang Wang* (2015, Jan). Selective Breakdown of Metallic Pathways in Double-Walled Carbon Nanotube Networks. *Small*, 11(1), 96-102. 本文獲選為封面故事.
12. Guan-Hua Chen, Wei-Yu Chen, Yu-Chun Yen, Chia-Wei Wang, Huan-Tsung Chang and Chien-Fu Chen* (2014, Jun). Detection of mercury (II) ions using colorimetric gold nanoparticles on paper-based analytical devices. *Analytical Chemistry*, 86 (14), 6843–6849. 本論文由 Thomson Reuters 資料庫統計，獲得該領域 **top 1% 高引用論文殊榮** (As of September/October 2017, this highly cited paper received enough citations to place it in the top 1% of the academic field based on a highly cited threshold for the field and publication year).