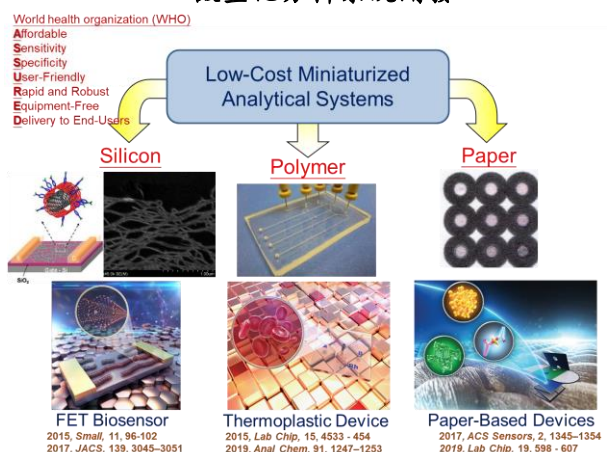




榮譽獎項：

- 科技部未來科技獎 (2020)
- 科技部吳大猷先生紀念獎 (2019)
- 科技部未來科技突破獎 (2019)
- 科技部優秀年輕學者研究計畫 (2018-2021)

主要論文著作：

Selected Journal Paper (2015-2020)

1. Jia-Hui Lin, Tsung-Ting Tsai, Qiang Zeng, Chun-Yen Chang, Jun-Yu Guo, Chi-Jui Lin, and Chien-Fu Chen*, (2020). A Multifunctional Microfluidic Device for Blood Typing and Primary Screening of Blood Diseases, **ACS Sensors**, 5, 10, 3082–3090. **(Cover)**
2. Tsung-Ting Tsai, Chung-An Chen, Natalie Yi-Ju Ho, Shuan Yang, and Chien-Fu Chen*, (2019). Fluorescent Double-Stranded DNA-Templated Copper Nanoprobes for Rapid Diagnosis of Tuberculosis, **ACS Sensors**, 4, 2885–2892. **(Cover)**
3. Chung-An Chen, Wen-Shin Yeh, Tsung-Ting Tsai, Yu-De Li, and Chien-Fu Chen* (2019, Feb). Three-Dimensional Origami Paper-Based Device for Portable Immunoassay Applications. **Lab on a Chip**, 19, 598 - 607. **(Back cover)**
4. Chao-Hsuan Liu, Chung-An Chen, Shi-Jia Chen, Tsung-Ting Tsai, Chin-Chou Chu, Chien-Cheng Chang*, and Chien-Fu Chen* (2018, Dec). Blood Plasma Separation Using a Fidget-Spinner. **Analytical Chemistry**, 91, 1247–1253. (Highlighted and reported by the ACS Headline Science, C&EN, Presspac, American Association for the Advancement of Science, IEEE GlobalSpec, and on the journal of Circulation).
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. (Highlighted and reported by the American Association for the Advancement of Science, IEEE GlobalSpec, the American Chemical Society, and the Russian News Agency).
6. 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. **(Back cover)**
7. 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. **(Cover)**