

一、代表期刊論文 (Selected Journal Papers)

1. Yao-Hsin Chou, Yun-Ting Lai, **Yu-Chi Jiang**, Shu-Yu Kuo, and Sun-Yuan Kung, “Quantum-inspired Financial Optimization for Dynamic G7 Portfolio Management,” *IEEE Nanotechnology Magazine*, 2026.
2. Shu-Yu Kuo, **Yu-Chi Jiang**, Yao-Hsin Chou, Sy-Yen Kuo, Sun-Yuan Kung, “Quantum Computer-aided Design Automation,” *IEEE Nanotechnology Magazine*, vol. 17, no. 2, pp. 15-25, 2023.
3. **Yu-Chi Jiang**, Kuo-Chun Tseng, Cheng-Yen Hua, Shu-Yu Kuo, Yao-Hsin Chou, and Sy-Yen Kuo, “A Novel Hypercube-based Heuristic for Quantum Boolean Circuits Synthesis,” *IEEE Journal on Emerging and Selected Topics in Circuits and Systems (JETCAS)*, vol. 12, no. 3, pp. 648-661, 2022.
4. Yao-Hsin Chou, **Yu-Chi Jiang**, Yi-Rui Hsu, Shu-Yu Kuo and Sy-Yen Kuo, “A Weighted Portfolio Optimization Model Based on the Trend Ratio, Emotion Index, and ANGQTS,” *IEEE Transactions on Emerging Topics in Computational Intelligence (TETCI)*, vol. 6, no. 4, pp. 867-882, 2022.

二、代表研討會論文 (Selected Conference Papers)

1. **Yu-Chi Jiang**, Shu-Yu Kuo, Yao-Hsin Chou, and Sy-Yen Kuo, “Rose of Lonely Planet: A Game-Based Approach to Learning Quantum Reversible Circuits Through Crowd Intelligence,” *2025 IEEE International Conference on Quantum Computing and Engineering (QCE)*, 2025, pp. 152-160.
2. **Yu-Chi Jiang**, Ping-I Lin, Shu-Yu Kuo, and Yao-Hsin Chou, “In-depth Financial Analysis of a Quantum-inspired Weighted Multi-objective Portfolio Model with Visual Observations,” *2025 IEEE International Conference on Systems, Man, and Cybernetics (SMC)*, 2025, pp. 7115-7120.
3. Shu-Yu Kuo, Chia-Lin Liu, **Yu-Chi Jiang**, Yao-Hsin Chou, Sy-Yen Kuo, “Enhanced Quantum Secret Sharing with Reduced Resource Consumption through GHZ Entanglement,” *2024 IEEE International Conference on Quantum Computing and Engineering (QCE)*, 2024, pp. 372-373.
4. Yao-Hsin Chou, **Yu-Chi Jiang**, Shu-Yu Kuo and Sun-Yuan Kung, “Bridging the Quantum Education Gap: Hands-on Visualization Projects for Quantum Search Algorithm,” *2024 IEEE International Conference on Quantum Computing and Engineering (QCE)*, 2024, pp. 112-121.
5. Shu-Yu Kuo, **Yu-Chi Jiang**, Ching-Hsuan Wu, Cheng-Yen Hua, Yun-Ting Lai, Yao-Hsin Chou, “An Innovative Knowledge Learning Adaptive Quantum-inspired Algorithm for Trend Ratio-Based Portfolio Construction Model,” *2024 IEEE Congress on Evolutionary Computation (CEC)*, 2024, pp. 1-9.
6. **Yu-Chi Jiang**, Yun-Ting Lai, Po-Chun Chen, Yu-Yu Chang, Kun-Min Wu, Shu-Yu Kuo, Yao-Hsin Chou, and Sy-Yen Kuo, “Quantum-inspired Computing: Entanglement-enhanced Technique for Short Portfolio in Global Markets,” *2023 IEEE 23rd International Conference on Nanotechnology (NANO)*, 2023, pp. 534-538.