五、著作目錄(建議呈現有利於計畫審查之著作目錄,頁數以 2 頁為限):

Journal Papers:

1. **Sheng-Zhi Huang**, Chih-Lin Hu*, and Carl K. Chang, "Heterogeneous Multi-UAV Cooperation with Data Gathering, Offloading, and Wireless Charging in Wireless Sensor Networks," IEEE Open Journal of the Communication Society, Vol. x, Issue x, pp. x-x, 202x, doi: 10.1109/OJCOMS.2025.3647898 [ESCI, JCI Ranking - Q1/Engineering, Electrical & Electronic, Q1/Telecommunications][Early Access Article, Dec. 24, 2025]

2. Kun-Yu Lin, Chih-Lin Hu*, Mohd Yaseen Mir, **Sheng-Zhi Huang**, Yung-Hui Chen, and Lin Hui, "Cooperative Multi-User Task Allocation in Social-Based Crowdsensing Platform," Internet Technology Letters, Vol. 8, Issue 5, Article Id: e615, September/October 2025, doi: 10.1002/ITL2.615 [ESCI, JCI Ranking - Q4/Telecommunications]

3. **Sheng-Zhi Huang**, Chih-Lin Hu*, and Kuo-You Lin, "Intelligent Task Migration with Deep Q-Learning in Multi-Access Edge Computing," IET Communications, 1– 13, 2021, doi:10.1049/cmu2.12309. [SCI, JCI Ranking - Q3/Engineering, Electrical & Electronic]

4. Chih-Lin Hu*, **Sheng-Zhi Huang**, Zhenjiang Zhang, and Lin Hui, "Energy-Balanced Optimization on Flying Ferry Placement for Data Gathering in Wireless Sensor Networks," IEEE Access, vol. 9, pp. 70906-70923, 2021, doi: 10.1109/ACCESS.2021.3077798. [SCI, JCI Ranking – Q2/Computer Science, Information Systems, Q2/Engineering, Electrical & Electronic] [學生第一作者]

Conference Papers:

1. **Sheng-Zhi Huang**, Chih-Lin Hu*, and Mohd Yaseen Mir, "Hovering and Recharging Route Planning for Cooperative UAV-Assisted Data Gathering in WSNs," in Proceedings of IEEE Global Communication Conference (Globecom), Taipei, Taiwan, Dec. 2025, pp. 1-6. (to appear)

2. Uomi Naoya, **Sheng-Zhi Huang**, Chih-Lin Hu* and Kouji Hirata, "Multi-UAV Data Collection with In-Flight Wireless Power Transfer," in Proceedings of 2025 IEEE VTS Asia Pacific Wireless Communications Symposium (APWCS), Tokyo, Japan, 2025, pp. 1-3, doi: 10.1109/APWCS67981.2025.11151969.

3. Kun-Yu Lin, Pei-Yi Liu, Chih-Lin Hu*, **Sheng-Zhi Huang**, Yung-Hui Chen, and Lin Hui, "Deep-Learning-Based Risk Prediction with Urban Sensing Data for Consumer Driving Safety," in Proceedings of IEEE 13th Global Conference on Consumer Electronics (IEEE GCCE 2024), Kokura, Japan, October 29 - November 11, 2024.

4. Lin Hui, Chih-Lin Hu*, Yi-Ting Wang, **Sheng-Zhi Huang**, Wu-Min Sung, and Yung-Hui Chen, "Reliable Trust-Based Topology Control in Wireless Sensor Networks," in Proceedings of The 9th IEEE International Conference on Applied System Innovation, April 21-25, 2023.

5. Chih-Lin Hu*, Hau-Yun Lin, Yu-Feng Hsu, **Sheng-Zhi Huang**, Lin Hui, and Zhenjiang Zhang, "Message Forwarding with Ferries in Delay-Tolerant Networks," in Proceedings of The 28th Wireless and Optical Communications Conference (WOCC), 2019, pp. 1-5, doi: 10.1109/WOCC.2019.8770595.

6. Chih-Lin Hu*, Kun-Yu Lin, **Sheng-Zhi Huang**, and Lin Hui, "CarView Plus: A Social-Based Live Media Distribution Platform in Vehicular Networks," in Proceedings of 2019 IEEE International Conference on Applied System Innovation (IEEE ICASI 2019), Fukuoka, Japan, April 11-15, 2019.

7. 林昆佑, **黃勝志**, 胡誌麟*, 「車載網路環境下基於類神經網路之交通事故預警系統,」第二十三屆行動計算研討會, 桃園市，臺灣，August 26-27, 2018.

8. **Sheng-Zhi Huang**, Chih-Lin Hu*, and Jiun-Yu Tu, "UAV Placement Strategy for Data Gathering in Harsh Environments," in Proceedings of The 15th IEEE Asia Pacific Wireless Communications Symposium (IEEE VTS APWCS'18), Taiwan, August 22-24, 2018.

9. Mohd Yaseen Mir, Chih-Lin Hu* and **Sheng-Zhi Huang**, "Data Forwarding with Finite Buffer Capacity in Opportunistic Networks," in Proceedings of The 27th Annual Wireless and Optical Communications Conference (WOCC 2018), Hwalien, Taiwan, April 30-May 1, 2018.

10. **Sheng-Zhi Huang**, Chih-Lin Hu*, Ssuwei Chen, and Liang-Xing Kuo, "Inter-Vehicle Media Distribution for Driving Safety," in Proceedings of The 13th International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP 2017), Matsue, Shimane, Japan, August 12-15, 2017.

11. Chih-Lin Hu*, Pin-Chun Chiu, and **Sheng-Zhi Huang**, "CarView: A Live Media Streaming Platform among Neighbor Vehicles on Roads," Proceedings of 2017 IEEE International Conference on Applied System Innovation (IEEE ICASI 2017), Sapporo, Japan, May 13-17, 2017.

Patent list:

1. 胡誌麟、黃郁凱、邱翔遠、林坤佑、黃勝志, 「地圖式適應性可變範圍交通狀況偵測方法與裝置及其電腦程式產品」 (Map-based Traffic Situation Detecting Method with Adaptively Variable Detecting Scope, and Device and Computer Product Thereof)," R.O.C. Patent: I-738215, Effective at 2021/9/1-2040/2/13

2. Chih-Lin Hu, Yu-Kai Huang, Hsiang-Yuan Chiu, Kun-Yu Lin, Sheng-Zhi Huang, "Map-Based Traffic Situation Detecting Method, Device and A Non-Transitory Computer-Readable Medium" US Patent No. US11391598B2, Effective Period: 07/19/2022 ~ 12/01/2040