

Journal Papers

1. Y. Chen, D. He, H. Wang, W. Yuan, and T. Q.S. Quek, "Joint Channel and Clipping Amplitude Estimation and Signal Detection for Clipped OTFS," *IEEE Trans. Wireless Commun.*, 2025.
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3. D. He, W. Yuan, J. Wu and R. Liu, "Ubiquitous UAV Communication Enabled Low-Altitude Economy: Applications, Techniques, and 3GPP's Efforts," *IEEE Netw.*, 2025.
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5. Z. Kang, D. He, H. Wang, Z. Wang and Z. Han, "Tensor-Based Unified Joint Channel Estimation and Active Device Detection Scheme for High-Mobility Grant-Free Random Access Scenarios," *IEEE Internet Things J.*, 2025.
6. Z. Liu, N. Wu, D. He, W. Yuan, Y. Li and T. Q. S. Quek, "GNN-Assisted BiG-AMP: Joint Channel Estimation and Data Detection for Massive MIMO Receiver," *IEEE Trans. Wireless Commun.*, vol. 24, no. 6, pp. 4631-4646, Apr. 2025.
7. T. Yang, D. He, H. Hou, H. Wang, H. Yin, Y. Huang, Z. Wang and T. Q.S. Quek, "A Unified Tensor-Based Joint AUD and ISAC Parameter Estimation With Large-Scale User Access," *IEEE Trans. Cognit. Commun. Netw.*, 2025.
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Conference Papers

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2. G. Jiao, R. Jiang, Y. Peng and D. He, "Parameter Estimation of Sensing Targets in OTFS-ISAC: Challenges and Applications," *2024 IEEE International Conference on Signal, Information and Data Processing (ICSIDP)*, Zhuhai, China, 2024, pp. 1-6.
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4. D. He and H. Hou, "UAV-Assisted Legitimate Wireless Surveillance: Performance Analysis and Optimization," *2024 IEEE International Conference on Unmanned Systems (ICUS)*, Nanjing, China, 2024, pp. 1975-1979.
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