

Journal Papers

1. T. Yang, **D. He**, W. Yuan, H. Liu, and H. Wang, "ISAC-Enabled Low-Altitude Economy: Game-Theoretic Learning Empowered Techniques and Future Directions," *IEEE Internet Things Mag.*, 2025.
2. N. Wu, G. Ding, Y. Fu, J. Zhang, and **D. He**, "Toward Space–Air–Ground Information Networks: Next Frontier for Wireless Communications," *Space Sci. Technol.*, 2025. (*Editorial*)
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5. M. Yuan, **D. He**, W. Yuan, H. Yin, and H. Wang, "Near-Field Integrated Sensing and Communication: SPEB Analysis and Hybrid Beamforming Design," *IEEE Trans. Cognit. Commun. Netw.*, 2025.
6. Y. Huang, T. Mao, **D. He**, Q. Wang, C. Han, and Z. Wang, "Channel-Adaptive Autoencoder Architecture for Terahertz Aerospace Communications," *IEEE Trans. Veh. Technol.*, 2025.
7. Q. Yu, D. Mishra, H. Wang, D. He, J. Yuan, and M. Matthaiou, "System-Level Performance Analysis of LoRa-Based LEO Satellite Constellations for IoT Communications," *IEEE Wireless Commun. Lett.*, vol. 14, no. 10, pp. 3279-3283, Oct. 2025.
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13. Q. Yu, D. Mishra, H. Wang, **D. He**, J. Yuan, and M. Matthaiou, "Towards LoRa-Based LEO Satellite IoT: A Stochastic Geometry Perspective," *IEEE Internet Things J.*, vol. 12, no. 15, pp. 26415-26429, 01 Aug. 2025.
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Conference Papers

1. Z. Wu, Y. Miao, **D. He**, Y. Cao, H. Wang, and C. Wang, "Two-Step-Search Based Spatio-Temporal Resource Allocation for Task-Oriented Single-Beam Directional Wireless Networks," *2025 6th International Conference on Electronic Communication and Artificial Intelligence (ICECAI)*, Chengdu, China, 2025, pp. 132-138.
2. M. Yuan, **D. He**, H. Yin and H. Wang, "Hybrid Beamforming for Millimeter-Wave ISAC System with Multi-Static Cooperative Localization," *2025 IEEE International Conference on Communications (ICC)*, Montreal, QC, Canada, 2025, pp. 6729-6734.
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8. 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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