

# Haifeng Zheng

## List of Publications by Year in Descending Order

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**Version:** 2024-04-09

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33 papers	574 citations	10 h-index	23 g-index
53 ext. papers	785 ext. citations	5.2 avg, IF	4.42 L-index

#	Paper	IF	Citations
33	Multiple Antennas-based Secure Communications with Channel Inversion Power Control. <i>IEEE Wireless Communications Letters</i> , <b>2022</b> , 1-1	5.9	
32	Traffic Data Recovery From Corrupted and Incomplete Observations via Spatial-Temporal TRPCA. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2022</b> , 1-14	6.1	0
31	Cooperative caching for scalable video coding using value-decomposed dimensional networks. <i>China Communications</i> , <b>2022</b> , 1-16	3	0
30	ML-HGR-Net: A Meta-Learning Network for FMCW Radar Based Hand Gesture Recognition. <i>IEEE Sensors Journal</i> , <b>2022</b> , 1-1	4	1
29	Graph Spectral Regularized Tensor Completion for Traffic Data Imputation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-15	6.1	1
28	A Data-driven Base Station Sleeping Strategy Based on Traffic Prediction. <i>IEEE Transactions on Network Science and Engineering</i> , <b>2021</b> , 1-1	4.9	1
27	Throughput Maximization of Wireless-Powered Communication Networks: An Energy Threshold Approach. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 1292-1306	6.8	6
26	A Distributed Hierarchical Deep Computation Model for Federated Learning in Edge Computing. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 7946-7956	11.9	11
25	Directional Modulation-Enabled Secure Transmission with Intelligent Reflecting Surface <b>2020</b> ,		5
24	A Hybrid Deep Learning Model With Attention-Based Conv-LSTM Networks for Short-Term Traffic Flow Prediction. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 1-11	6.1	48
23	The Improvement of Caching Performance by Employing MIMO on UAVs <b>2020</b> ,		1
22	A Meta-Learning-Based Approach for Hand Gesture Recognition Using FMCW Radar <b>2020</b> ,		1
21	A Novel FMCW Radar-Based Scheme for Indoor Localization and Trajectory Tracking <b>2020</b> ,		2
20	A Deep Gradient Compression Model Based on Tensor-Train Decomposition for Federated Learning <b>2020</b> ,		1
19	Network Latency Estimation With Leverage Sampling for Personal Devices: An Adaptive Tensor Completion Approach. <i>IEEE/ACM Transactions on Networking</i> , <b>2020</b> , 28, 2797-2808	3.8	4
18	Resource Allocation Strategy for D2D-Assisted Edge Computing System With Hybrid Energy Harvesting. <i>IEEE Access</i> , <b>2020</b> , 8, 192643-192658	3.5	4
17	An Adaptive Sampling Scheme via Approximate Volume Sampling for Fingerprint-Based Indoor Localization. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 2338-2353	10.7	15

16	A Multi-source Based Coupled Tensors Completion Algorithm for Incomplete Traffic Data Imputation <b>2019</b> ,		4
15	Adaptive Multi-Kernel SVM With Spatial-Temporal Correlation for Short-Term Traffic Flow Prediction. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2019</b> , 20, 2001-2013	6.1	100
14	A Kernel-Based Compressive Sensing Approach for Mobile Data Gathering in Wireless Sensor Network Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2018</b> , 48, 2315-2327	7.3	68
13	An Online Incentive Mechanism for Time-Sensitive Vehicle-Based Crowdsourcing <b>2018</b> ,		2
12	3D Convolutional Generative Adversarial Networks for Missing Traffic Data Completion <b>2018</b> ,		4
11	A Novel Spatial-Temporal Regularized Tensor Completion Algorithm for Traffic Data Imputation <b>2018</b> ,		2
10	Distributed cell selection in heterogeneous wireless networks. <i>Computer Communications</i> , <b>2017</b> , 109, 13-23	5.1	3
9	Design and Analysis of In-Network Computation Protocols With Compressive Sensing in Wireless Sensor Networks. <i>IEEE Access</i> , <b>2017</b> , 5, 11015-11029	3.5	5
8	Spatial-Temporal Data Collection with Compressive Sensing in Mobile Sensor Networks. <i>Sensors</i> , <b>2017</b> , 17,	3.8	16
7	Short-term traffic flow prediction with optimized Multi-kernel Support Vector Machine <b>2017</b> ,		9
6	Short-term traffic flow prediction with Conv-LSTM <b>2017</b> ,		90
5	Data Gathering with Compressive Sensing in Wireless Sensor Networks: A Random Walk Based Approach. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2015</b> , 26, 35-44	3.7	105
4	. <i>IEEE Transactions on Wireless Communications</i> , <b>2013</b> , 12, 917-927	9.6	42
3	Energy and latency analysis for in-network computation with compressive sensing in wireless sensor networks <b>2012</b> ,		1
2	Sequential Compressive Target Detection in Wireless Sensor Networks <b>2011</b> ,		6
1	Video transmission over IEEE 802.11n WLAN with adaptive aggregation scheme <b>2010</b> ,		10