# Xiaohuan Wu

List of Publications by Year
in descending order

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|---|---|---|---|
| 37 papers | 812 citations | 623734 14 h-index | 552781 26 g-index |
| 37 all docs | 37 docs citations | 37 times ranked | 576 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Toeplitz Covariance Matrix Reconstruction Approach for Direction-of-Arrival Estimation. IEEE Transactions on Vehicular Technology, 2017, 66, 8223-8237. | 6.3 | 137 |
| 2 | Direction of Arrival Estimation for Off-Grid Signals Based on Sparse Bayesian Learning. IEEE Sensors Journal, 2016, 16, 2004-2016. | 4.7 | 113 |
| 3 | Two sparse-based methods for off-grid direction-of-arrival estimation. Signal Processing, 2018, 142, 87-95. | 3.7 | 75 |
| 4 | ESPRIT-like two-dimensional direction finding for mixed circular and strictly noncircular sources based on joint diagonalization. Signal Processing, 2017, 141, 48-56. | 3.7 | 69 |
| 5 | A High-Resolution DOA Estimation Method With a Family of Nonconvex Penalties. IEEE Transactions on Vehicular Technology, 2018, 67, 4925-4938. | 6.3 | 64 |
| 6 | A Fast Gridless Covariance Matrix Reconstruction Method for One- and Two-Dimensional Direction-of-Arrival Estimation. IEEE Sensors Journal, 2017, 17, 4916-4927. | 4.7 | 40 |
| 7 | Joint Maximum Likelihood Timing, Frequency Offset, and Doubly Selective Channel Estimation for OFDM Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 2787-2791. | 6.3 | 39 |
| 8 | Localization of far-field and near-field signals with mixed sparse approach: A generalized symmetric arrays perspective. Signal Processing, 2020, 175, 107665. | 3.7 | 31 |
| 9 | Joint Carrier Frequency Offset and Doubly Selective Channel Estimation for MIMO-OFDMA Uplink With Kalman and Particle Filtering. IEEE Transactions on Signal Processing, 2018, 66, 4001-4012. | 5.3 | 28 |
| 10 | 3-D Mixed Far-Field and Near-Field Sources Localization With Cross Array. IEEE Transactions on Vehicular Technology, 2020, 69, 6833-6837. | 6.3 | 24 |
| 11 | Single Far-Field or Near-Field Source Localization With Sparse or Uniform Cross Array. IEEE Transactions on Vehicular Technology, 2020, 69, 9135-9139. | 6.3 | 20 |
| 12 | A Gridless DOA Estimation Method Based on Convolutional Neural Network With Toeplitz Prior. IEEE Signal Processing Letters, 2022, 29, 1247-1251. | 3.6 | 19 |
| 13 | Improved Coarse Timing Estimation in OFDM Systems Using High-Order Statistics. IEEE Transactions on Communications, 2016, 64, 5239-5253. | 7.8 | 16 |
| 14 | Extreme Learning Machine for Accurate Indoor Localization Using RSSI Fingerprints in Multifloor Environments. IEEE Internet of Things Journal, 2021, 8, 14623-14637. | 8.7 | 15 |
| 15 | Extreme Learning Machine and AdaBoost-Based Localization Using CSI and RSSI. IEEE Communications Letters, 2021, 25, 1906-1910. | 4.1 | 14 |
| 16 | On efficient gridless methods for 2-D DOA estimation with uniform and sparse L-shaped arrays. Signal Processing, 2022, 191, 108351. | 3.7 | 12 |
| 17 | An $$ell _p$$ â„“ p -norm Based Method for Off-grid DOA Estimation. Circuits, Systems, and Signal Processing, 2019, 38, 904-917. | 2.0 | 10 |
| 18 | Robust Secrecy Energy Efficient Beamforming in Satellite Communication Systems. , 2019, , . | | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Gridless Two-Dimensional Doa Estimation With L-Shaped Array Based on the Cross-Covariance Matrix. , 2018, , . | | 9 |
| 20 | A Spatial Filtering Based Gridless DOA Estimation Method for Coherent Sources. IEEE Access, 2018, 6, 56402-56410. | 4.2 | 8 |
| 21 | A gridless one-step method for mixed far-field and near-field sources localization. , 2020, 104, 102784. | | 8 |
| 22 | An ELM-Based Semi-Supervised Indoor Localization Technique With Clustering Analysis and Feature Extraction. IEEE Sensors Journal, 2021, 21, 3635-3644. | 4.7 | 8 |
| 23 | A Second-Order Statistics-Based Mixed Sources Localization Method With Symmetric Sparse Arrays. IEEE Communications Letters, 2020, 24, 1695-1699. | 4.1 | 7 |
| 24 | Gridless Mixed Sources Localization Based on Low-Rank Matrix Reconstruction. IEEE Wireless Communications Letters, 2020, 9, 1748-1752. | 5.0 | 6 |
| 25 | Joint Doppler and Channel Estimation with Nested Arrays for Millimeter Wave Communications. , 2018, , . | | 5 |
| 26 | Channel estimation and tracking with nested sampling for fast-moving users in millimeter-wave communication. , 2019, 94, 29-37. | | 5 |
| 27 | Efficient Gridless Angle Estimation for Bistatic MIMO Radar With Planar Arrays. IEEE Transactions on Vehicular Technology, 2022, 71, 5599-5603. | 6.3 | 5 |
| 28 | Joint Beamforming Design for Energy Efficient Wireless Communications in Heterogeneous Intelligent Connected Vehicles Networks. IEEE Access, 2019, 7, 170134-170143. | 4.2 | 3 |
| 29 | Atomic Norm Based Localization of Far-Field and Near-Field Signals with Generalized Symmetric Arrays. , 2020, , . | | 3 |
| 30 | Direction of arrival estimation based on modified fast offâ€grid L1â€SVD. Electronics Letters, 2022, 58, 32-34. | 1.0 | 3 |
| 31 | Atomic Norm-Based DOA Estimation with Sum and Difference Co-arrays in Coexistence of Circular and Non-circular Signals. Circuits, Systems, and Signal Processing, 2021, 40, 5033-5053. | 2.0 | 2 |
| 32 | A fast gridless mmWave full-dimensional MIMO channel estimation method. , 2022, 129, 103627. | | 2 |
| 33 | Relay Selection for Wireless Cooperative Networks using Adaptive Q-learning Approach. , 2019, , . | | 1 |
| 34 | Channel Estimation for Switch-Based Millimeter-Wave Communications via Atomic Norm. International Journal of Antennas and Propagation, 2021, 2021, 1-9. | 1.2 | 1 |
| 35 | Collaborative Beamforming for Cognitive UAV Relaying System Coexisting with Satellite Networks. , 2019, , . | | 0 |
| 36 | An SBL-Based Coherent Source Localization Method Using Virtual Array Output. IEICE Transactions on Communications, 2019, E102.B, 2151-2158. | 0.7 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | An Efficient Gridless Vehicle Positioning Method via Angle Estimation. , 2021, , . | | 0 |