Mojtaba Soltanalian

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Fast and Robust LRSD-Based SAR/ISAR Imaging and Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13. | 6.3 | 1 |
| 2 | One-Bit Compressive Sensing: Can We Go Deep and Blind?. IEEE Signal Processing Letters, 2022, 29, 1629-1633. | 3.6 | 5 |
| 3 | Mutual Interference Mitigation for Multiple Connected Automotive Radar Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 11062-11066. | 6.3 | 10 |
| 4 | DoA Estimation Using Low-Resolution Multi-Bit Sparse Array Measurements. IEEE Signal Processing Letters, 2021, 28, 1400-1404. | 3.6 | 6 |
| 5 | Efficient waveform covariance matrix design and antenna selection for MIMO radar. Signal Processing, 2021, 183, 107985. | 3.7 | 15 |
| 6 | On The Asymptotic Performance of One-Bit Co-Array-Based Music. , 2021, , . | | 0 |
| 7 | Modified Arcsine Law for One-Bit Sampled Stationary Signals with Time-Varying Thresholds. , 2021, , . | | 11 |
| 8 | Deep One-Bit Compressive Autoencoding. , 2021, , . | | 1 |
| 9 | Model-Inspired Deep Detection with Low-Resolution Receivers. , 2021, , . | | 2 |
| 10 | Model-based deep learning for additive manufacturing: New frontiers and applications. Manufacturing Letters, 2021, 29, 94-98. | 2.2 | 4 |
| 11 | LoRD-Net: Unfolded Deep Detection Network With Low-Resolution Receivers. IEEE Transactions on Signal Processing, 2021, 69, 5651-5664. | 5.3 | 23 |
| 12 | On the Performance of One-Bit DoA Estimation via Sparse Linear Arrays. IEEE Transactions on Signal Processing, 2021, 69, 6165-6182. | 5.3 | 26 |
| 13 | Optimized Transmission for Parameter Estimation in Wireless Sensor Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 35-47. | 2.8 | 11 |
| 14 | Model-Based Deep Learning for One-Bit Compressive Sensing. IEEE Transactions on Signal Processing, 2020, 68, 5292-5307. | 5.3 | 23 |
| 15 | DEEP-URL: A Model-Aware Approach to Blind Deconvolution Based on Deep Unfolded Richardson-Lucy Network. , 2020, , . | | 7 |
| 16 | One-Bit DoA Estimation via Sparse Linear Arrays. , 2020, , . | | 13 |
| 17 | Deep Radar Waveform Design for Efficient Automotive Radar Sensing. , 2020, , . | | 7 |
| | | | |

18 UPR: A Model-Driven Architecture for Deep Phase Retrieval. , 2020, , .

8

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Deep Signal Recovery with One-bit Quantization. , 2019, , . | | 36 |
| 20 | Large-System Mutual Information Analysis of Receive Spatial Modulation in Correlated Multi-Cell Massive MIMO Networks. IEEE Transactions on Communications, 2019, 67, 6071-6084. | 7.8 | 5 |
| 21 | Comprehensive Personalized Ranking Using One-Bit Comparison Data. , 2019, , . | | Ο |
| 22 | One-Bit Radar Processing With Time-Varying Sampling Thresholds. IEEE Transactions on Signal Processing, 2019, 67, 5297-5308. | 5.3 | 53 |
| 23 | Receive Spatial Modulation in Correlated Massive MIMO With Partial CSI. IEEE Transactions on Signal Processing, 2019, 67, 1237-1250. | 5.3 | 10 |
| 24 | Joint Optimization of Waveform Covariance Matrix and Antenna Selection for MIMO Radar. , 2019, , . | | 5 |
| 25 | Waveform Design for One-Bit Radar Systems Under Uncertain Interference Statistics. , 2019, , . | | 1 |
| 26 | Efficient Design of Binary Sequences With Low Autocorrelation Sidelobes. IEEE Transactions on Signal Processing, 2019, 67, 6397-6410. | 5.3 | 34 |
| 27 | Constructing Binary Sequences With Good Correlation Properties: An Efficient Analytical-Computational Interplay. IEEE Transactions on Signal Processing, 2018, 66, 2998-3007. | 5.3 | 19 |
| 28 | Signal Recovery From 1-Bit Quantized Noisy Samples via Adaptive Thresholding. , 2018, , . | | 18 |
| 29 | Optimized Transmission for Consensus in Wireless Sensor Networks. , 2018, , . | | 4 |
| 30 | Graph Clustering Using One-Bit Comparison Data. , 2018, , . | | 3 |
| 31 | Low-Rank Matrix Recovery from One-Bit Comparison Information. , 2018, , . | | 3 |
| 32 | One-Bit Radar Processing and Estimation with Time-Varying Sampling Thresholds. , 2018, , . | | 12 |
| 33 | Training Signal Design for Correlated Massive MIMO Channel Estimation. IEEE Transactions on Wireless Communications, 2017, 16, 1135-1143. | 9.2 | 16 |
| 34 | Non-convex shredded signal reconstruction via sparsity enhancement. , 2017, , . | | 1 |
| 35 | Locating the Few: Sparsity-Aware Waveform Design for Active Radar. IEEE Transactions on Signal Processing, 2017, 65, 651-662. | 5.3 | 22 |
| 36 | Spatial peak power minimization for relaxed phase M-PSK MIMO directional modulation transmitter. , 2017, , . | | 8 |

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 37 | MIMO directional modulation M-QAM precoding for transceivers performance enhancement. , 2017, , . | | 12 |
| 38 | ComSens: Exploiting pilot diversity for pervasive integration of communication and sensing in MIMO-TDD-Frameworks. , 2017, , . | | 1 |
| 39 | Efficient construction of polyphase sequences with optimal peak sidelobe level growth. , 2017, , . | | 2 |
| 40 | Efficient Sum-Rate Maximization for Medium-Scale MIMO AF-Relay Networks. IEEE Transactions on Wireless Communications, 2016, 15, 6400-6411. | 9.2 | 10 |
| 41 | An iterative approach to nonconvex QCQP with applications in signal processing. , 2016, , . | | 4 |
| 42 | Directional Modulation Via Symbol-Level Precoding: A Way to Enhance Security. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1478-1493. | 10.8 | 103 |
| 43 | Secure M-PSK communication via directional modulation. , 2016, , . | | 14 |
| 44 | Radar code design for detection of moving targets. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 2762-2778. | 4.7 | 37 |
| 45 | Designing Unimodular Codes Via Quadratic Optimization. IEEE Transactions on Signal Processing, 2014, 62, 1221-1234. | 5.3 | 153 |
| 46 | A Doppler Robust Design of Transmit Sequence and Receive Filter in the Presence of Signal-Dependent Interference. IEEE Transactions on Signal Processing, 2014, 62, 772-785. | 5.3 | 105 |
| 47 | On Meeting the Peak Correlation Bounds. IEEE Transactions on Signal Processing, 2014, 62, 1210-1220. | 5.3 | 22 |
| 48 | Single-stage transmit beamforming design for MIMO radar. Signal Processing, 2014, 102, 132-138. | 3.7 | 42 |
| 49 | A fast algorithm for designing complementary sets of sequences. Signal Processing, 2013, 93, 2096-2102. | 3.7 | 51 |
| 50 | Joint Design of the Receive Filter and Transmit Sequence for Active Sensing. IEEE Signal Processing Letters, 2013, 20, 423-426. | 3.6 | 98 |
| 51 | Unified Optimization Framework for Multi-Static Radar Code Design Using Information-Theoretic Criteria. IEEE Transactions on Signal Processing, 2013, 61, 5401-5416. | 5.3 | 82 |
| 52 | Computational Design of Sequences With Good Correlation Properties. IEEE Transactions on Signal Processing, 2012, 60, 2180-2193. | 5.3 | 118 |