

# Mohammad Mahdi Naghsh

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,094  
citations

623734

14  
h-index

610901

24  
g-index

38  
all docs

38  
docs citations

38  
times ranked

619  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Coordinate-Descent Framework to Design Low PSL/ISL Sequences. IEEE Transactions on Signal Processing, 2017, 65, 5942-5956.	5.3	161
2	Optimizing Radar Waveform and Doppler Filter Bank via Generalized Fractional Programming. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1387-1399.	10.8	141
3	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
4	Knowledge-based design of space-time transmit code and receive filter for a multiple-input-multiple-output radar in signal-dependent interference. IET Radar, Sonar and Navigation, 2015, 9, 1124-1135.	1.8	84
5	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
6	Relative Entropy-Based Waveform Design for MIMO Radar Detection in the Presence of Clutter and Interference. IEEE Transactions on Signal Processing, 2015, 63, 3783-3796.	5.3	81
7	Designing Sets of Binary Sequences for MIMO Radar Systems. IEEE Transactions on Signal Processing, 2019, 67, 3347-3360.	5.3	76
8	A fast algorithm for designing complementary sets of sequences. Signal Processing, 2013, 93, 2096-2102.	3.7	51
9	An Information Theoretic Approach to Robust Constrained Code Design for MIMO Radars. IEEE Transactions on Signal Processing, 2017, 65, 3647-3661.	5.3	39
10	Compressive radar sensing via one-bit sampling with time-varying thresholds. , 2016, , .		38
11	Radar code design for detection of moving targets. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 2762-2778.	4.7	37
12	On Meeting the Peak Correlation Bounds. IEEE Transactions on Signal Processing, 2014, 62, 1210-1220.	5.3	22
13	Compressive pulse-Doppler radar sensing via 1-bit sampling with time-varying threshold. , 2017, , .		19
14	Training Signal Design for Correlated Massive MIMO Channel Estimation. IEEE Transactions on Wireless Communications, 2017, 16, 1135-1143.	9.2	16
15	One-Bit Compressive Radar Sensing in the Presence of Clutter. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 167-185.	4.7	15
16	Doppler Sensitive Discrete-Phase Sequence Set Design for MIMO Radar. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4209-4223.	4.7	15
17	Beamforming for Maximal Coverage in mmWave Drones: A Reinforcement Learning Approach. IEEE Communications Letters, 2020, 24, 1033-1037.	4.1	15
18	Binary Sequences Set with Small ISL for MIMO Radar Systems. , 2018, , .		13

#	ARTICLE	IF	CITATIONS
19	Throughput Optimization for Wireless Powered Interference Channels. IEEE Transactions on Wireless Communications, 2019, 18, 2464-2476.	9.2	12
20	Robust CFAR Detector Based on Censored Harmonic Averaging in Heterogeneous Clutter. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1956-1963.	4.7	11
21	Efficient Sum-Rate Maximization for Medium-Scale MIMO AF-Relay Networks. IEEE Transactions on Wireless Communications, 2016, 15, 6400-6411.	9.2	10
22	Unimodular code design for MIMO radar using Bhattacharyya distance. , 2014, , .		8
23	A Majorizationâ€“Minimization Approach for Reducing Out-of-Band Radiations in OFDM Systems. IEEE Communications Letters, 2017, 21, 1739-1742.	4.1	6
24	Maxâ€“Min Fairness Design for MIMO Interference Channels: A Minorizationâ€“Maximization Approach. IEEE Transactions on Signal Processing, 2019, 67, 4707-4719.	5.3	6
25	ISAR Image Formation Based on Minimum Entropy Criterion and Fractional Fourier Transform. IEICE Transactions on Communications, 2009, E92-B, 2714-2722.	0.7	5
26	Efficient Transmit Covariance Design in MIMO Interference Channel. IEEE Transactions on Vehicular Technology, 2018, 67, 5793-5805.	6.3	5
27	Cognitive MIMO radars: An information theoretic constrained code design method. , 2016, , .		4
28	Energy Efficient Transceiver Design in MIMO Interference Channels: The Selfish, Unselfish, Worst-Case, and Robust Methods. IEEE Transactions on Communications, 2019, 67, 5377-5389.	7.8	4
29	Approaching peak correlation bounds via alternating projections. , 2014, , .		2
30	A max-min design of transmit sequence and receive filter. , 2014, , .		2
31	Rate optimization for massive MIMO relay networks: A minorization-maximization approach. , 2016, , .		2
32	A Learning Approach to Design Binary Sequences with Good Correlation Properties. , 2020, , .		2
33	Transmit Signal and Receive Filter Design of PMCW Radar with Low-Resolution ADC : (Invited paper). , 2020, , .		2
34	Block compressive sensing in Synthetic Aperture Radar (SAR). , 2016, , .		1
35	A Combinatorial Approach to One-Bit Compressive Radar Sensing. , 2018, , .		1
36	Partially Blind Joint Channel Estimation and Symbol Detection in Amplify-and-Forward Two-Way Relay Systems. IEEE Transactions on Communications, 2018, 66, 5966-5975.	7.8	1

#	ARTICLE	IF	CITATIONS
37	Max-Min Fairness Energy Efficiency for Multi-User MIMO Wireless Powered Communication Networks. , 2018, , .		0
38	Censoring Outliers in Elliptically Symmetric Multivariate Distribution. Signal Processing, 2022, , 108620.	3.7	0