Mojtaba Vaezi

List of Publications by Year
in descending order

54 papers	1,581 citations	687363 13 h-index	526287 27 g-index
54 all docs	54 docs citations	54 times ranked	1445 citing authors

#	Article	IF	Citations
1	Secure Precoding in MIMO-NOMA: A Deep Learning Approach. IEEE Wireless Communications Letters, 2022, 11, 77-80.	5.0	1
2	Ultra-Low-Power IoT Communications: A Novel Address Decoding Approach for Wake-Up Receivers. IEEE Transactions on Green Communications and Networking, 2022, 6, 1107-1121.	5.5	5
3	Relay Power Control for In-Band Full-Duplex Decode-and-Forward Relay Networks Over Static and Time-Varying Channels. IEEE Systems Journal, 2022, 16, 33-40.	4.6	3
4	Cellular, Wide-Area, and Non-Terrestrial IoT: A Survey on 5G Advances and the Road Toward 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 1117-1174.	39.4	172
5	Signaling Design for MIMO-NOMA With Different Security Requirements. IEEE Transactions on Signal Processing, 2022, 70, 1389-1401.	5.3	7
6	Novel Signaling Design for MIMO-NOMA Against External and Internal Eavesdroppers. , 2022, , .		0
7	Over-the-Air Implementation of NOMA: New Experiments and Future Directions. IEEE Access, 2021, 9, 135828-135844.	4.2	13
8	A Rotation-Based Method for Precoding in Gaussian MIMOME Channels. IEEE Transactions on Communications, 2021, 69, 1189-1200.	7.8	11
9	Multi-Objective DNN-Based Precoder for MIMO Communications. IEEE Transactions on Communications, 2021, 69, 4476-4488.	7.8	10
10	UAV-Enabled Cellular Networks. , 2021, , 165-200.		2
11	Complex Rotation-based Linear Precoding for Physical Layer Multicasting and SWIPT. , 2021, , .		0
12	Secure Spectrum Sharing in MIMO-NOMA. , 2021, , .		2
13	Power Allocation in Cache-Aided NOMA Systems: Optimization and Deep Reinforcement Learning Approaches. IEEE Transactions on Communications, 2020, 68, 630-644.	7.8	49
14	Secure Relaying in Non-Orthogonal Multiple Access: Trusted and Untrusted Scenarios. IEEE Transactions on Information Forensics and Security, 2020, 15, 210-222.	6.9	44
15	Secure Transmission in MIMO-NOMA Networks. IEEE Communications Letters, 2020, 24, 2696-2700.	4.1	21
16	Ieee Access Special Section Editorial: Advances in Signal Processing for Non-Orthogonal Multiple Access. IEEE Access, 2020, 8, 149214-149219.	4.2	0
17	IoT Battery Lifetime Enhancement Using Relays: A Large-Scale Analysis. , 2020, , .		3
18	A New Precoding for the MIMO Gaussian Channel with Multi-Antenna Eavesdroppers. , 2020, , .		1

#	Article	IF	Citations
19	Power Splitting based Precoding for the MIMO-BC with Multicast and Confidential Messages. , 2020, , .		2
20	NOMA: An Information-Theoretic Perspective. , 2019, , 167-193.		33
21	Interplay Between NOMA and Other Emerging Technologies: A Survey. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 900-919.	7.9	173
22	A Rotation-Based Precoding for MIMO Broadcast Channels With Integrated Services. IEEE Signal Processing Letters, 2019, 26, 1708-1712.	3.6	8
23	Lens-Based Millimeter Wave Reconfigurable Antenna NOMA. , 2019, , .		12
24	Non-Orthogonal Multiple Access: Common Myths and Critical Questions. IEEE Wireless Communications, 2019, 26, 174-180.	9.0	199
25	Impact of Beam Misalignment on Hybrid Beamforming NOMA for mmWave Communications. IEEE Transactions on Communications, 2019, 67, 4505-4518.	7.8	26
26	Deep Learning Based Precoding for the MIMO Gaussian Wiretap Channel. , 2019, , .		19
27	Cooperative Wireless Powered Communication Networks With Interference Harvesting. IEEE Transactions on Vehicular Technology, 2018, 67, 3701-3705.	6.3	22
28	Social-Aware User Cooperation in Full-Duplex and Half-Duplex Multi-Antenna Systems. IEEE Transactions on Communications, 2018, 66, 3309-3321.	7.8	5
29	Wireless Powered Cooperative Relaying Using NOMA with Imperfect CSI. , 2018, , .		36
30	Securing Downlink Non-Orthogonal Multiple Access Systems by Trusted Relays. , 2018, , .		9
31	Downlink Non-Orthogonal Multiple Access Systems With an Untrusted Relay. , 2018, , .		2
32	Optimal Power Allocation in Cache-Aided Non-Orthogonal Multiple Access Systems. , 2018, , .		14
33	Cloud Mobile Networks. Wireless Networks, 2017, , .	0.5	9
34	Non-Orthogonal Multiple Access in Multi-Cell Networks: Theory, Performance, and Practical Challenges. , 2017, 55, 176-183.		290
35	Coordinated Beamforming for Multi-Cell MIMO-NOMA. IEEE Communications Letters, 2017, 21, 84-87.	4.1	155
36	Relay-Aided NOMA in Uplink Cellular Networks. IEEE Signal Processing Letters, 2017, 24, 1842-1846.	3.6	28

#	Article	IF	Citations
37	MIMO Gaussian wiretap channels with two transmit antennas: Optimal precoding and power allocation. , 2017, , .		7
38	Trust Degree Based Beamforming for Multi-Antenna Cooperative Communication Systems. , 2017, , .		1
39	Radio Access Network Evolution. Wireless Networks, 2017, , 67-86.	0.5	5
40	Optimal Beamforming for Gaussian MIMO Wiretap Channels With Two Transmit Antennas. IEEE Transactions on Wireless Communications, 2017, 16, 6726-6735.	9.2	26
41	Simplified Han-Kobayashi region for one-sided and mixed Gaussian interference channels. , 2016, , .		15
42	On the number of users served in MIMO-NOMA cellular networks. , 2016, , .		15
43	Mobile Sensors Deployment Subject to Location Estimation Error. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	6.3	14
44	On limiting expressions for the capacity region of Gaussian interference channels. , 2015, , .		1
45	Mobile Sensors Deployment Subject to Measurement Error. , 2014, , .		9
46	Generalized and Extended Subspace Algorithms for Error Correction with Quantized DFT Codes. IEEE Transactions on Communications, 2014, 62, 410-422.	7.8	3
47	Distributed Source-Channel Coding Based on Real-Field BCH Codes. IEEE Transactions on Signal Processing, 2014, 62, 1171-1184.	5.3	65
48	Distributed deployment algorithms in a network of nonidentical mobile sensors subject to location estimation error. , 2014, , .		2
49	Comments on â€œNew Inner and Outer Bounds for the Memoryless Cognitive Interference Channel and Some New Capacity Resultsâ€. IEEE Transactions on Information Theory, 2013, 59, 4055-4056.	2.4	4
50	Systematic DFT Frames: Principle, Eigenvalues Structure, and Applications. IEEE Transactions on Signal Processing, 2013, 61, 3774-3785.	5.3	6
51	Extended subspace error localization for rate-adaptive distributed source coding. , 2013, , .		2
52	Distributed Lossy Source Coding Using Real-Number Codes. , 2012, , .		6
53	Systematic DFT frames: Principle and eigenvalues structure. , 2012, , .		3
54	On the capacity of the cognitive Z-interference channel. , 2011, , .		11