

# S Mohammad Razavizadeh

## List of Publications by Year in descending order

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64  
papers

675  
citations

759233

12  
h-index

610901

24  
g-index

64  
all docs

64  
docs citations

64  
times ranked

716  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional Beamforming: A new enabling technology for 5G wireless networks. IEEE Signal Processing Magazine, 2014, 31, 94-101.	5.6	126
2	Jamming-Resistant Receivers for the Massive MIMO Uplink. IEEE Transactions on Information Forensics and Security, 2018, 13, 210-223.	6.9	76
3	Energy Efficient Precoding Design for SWIPT in MIMO Two-Way Relay Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 7888-7896.	6.3	49
4	Subverting Massive MIMO by Smart Jamming. IEEE Wireless Communications Letters, 2016, 5, 20-23.	5.0	38
5	Jamming Detection in Massive MIMO Systems. IEEE Wireless Communications Letters, 2018, 7, 242-245.	5.0	36
6	Jamming Suppression in Massive MIMO Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 182-186.	3.0	34
7	Jamming-Robust Uplink Transmission for Spatially Correlated Massive MIMO Systems. IEEE Transactions on Communications, 2020, 68, 3495-3504.	7.8	17
8	QoE-Aware Beamforming Design for Massive MIMO Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 8315-8323.	6.3	16
9	Energy efficiency maximization in mmWave wireless networks with 3D beamforming. Journal of Communications and Networks, 2019, 21, 125-135.	2.6	16
10	Deep Reinforcement Learning Based Adaptive Modulation With Outdated CSI. IEEE Communications Letters, 2021, 25, 3291-3295.	4.1	15
11	A Comparison of TDD and FDD Massive MIMO Systems Against Smart Jamming. IEEE Access, 2020, 8, 72068-72077.	4.2	14
12	Joint tilt angle adaptation and beamforming in multicell multiuser cellular networks. Computers and Electrical Engineering, 2017, 61, 195-207.	4.8	13
13	Vertical Beamforming in Intelligent Reflecting Surface-Aided Cognitive Radio Networks. IEEE Wireless Communications Letters, 2021, 10, 1919-1923.	5.0	13
14	Cooperative beamforming in Cognitive Radio networks. , 2009, , .		10
15	A novel handover decision-making algorithm for HetNets. , 2015, , .		10
16	Modeling and analysis of traffic-aware spectrum handover schemes in cognitive HetNets. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3199.	3.9	10
17	Effect of Users Height Distribution on the Coverage of mmWave Cellular Networks With 3D Beamforming. IEEE Access, 2019, 7, 68091-68105.	4.2	10
18	Robust filter and forward relay beamforming with spherical channel state information uncertainties. , 2014, , .		9

#	ARTICLE	IF	CITATIONS
19	Robust beamforming and power allocation in cognitive radio relay networks with imperfect channel state information. IET Communications, 2014, 8, 1560-1569.	2.2	9
20	Impact of user height on the coverage of 3D beamforming-enabled massive MIMO systems. , 2017, , .		8
21	A new faster sphere decoder for MIMO systems. , 0, , .		7
22	Joint beamforming and power control in MIMO cognitive radio networks. IEICE Electronics Express, 2010, 7, 203-208.	0.8	7
23	Coordinated versus uncoordinated channel tracking for high-rate internet of things in multiuser massive MIMO: Algorithms and performance. Signal Processing, 2021, 186, 108132.	3.7	7
24	A Simple MAC Protocol for Cognitive Wireless Networks. IEICE Transactions on Communications, 2009, E92-B, 3693-3700.	0.7	6
25	Cooperative filter-and-forward beamforming in cognitive radio relay networks. , 2012, , .		6
26	Ergodic Sum Rate Maximization for Underlay Spectrum Sharing with Heterogeneous Traffic. Wireless Personal Communications, 2013, 71, 589-610.	2.7	6
27	Enhancement of Physical Layer Security Using Destination Artificial Noise Based on Outage Probability. Wireless Personal Communications, 2017, 95, 1553-1565.	2.7	6
28	Secure Simultaneous Information and Power Transfer for Downlink Multi-User Massive MIMO. IEEE Access, 2020, 8, 150514-150526.	4.2	6
29	Attacking Massive MIMO Cognitive Radio Networks by Optimized Jamming. IEEE Open Journal of the Communications Society, 2021, 2, 2219-2231.	6.9	6
30	Secrecy rate maximization in multi-IRS mmWave networks. Physical Communication, 2021, 48, 101436.	2.1	6
31	Limiting harmful interference to the primary users through joint power allocation and beamforming in the uplink of cognitive radio networks. , 2009, , .		5
32	Analysis and performance evaluation of an efficient handover algorithm for cognitive HetNets. International Journal of Communication Systems, 2017, 30, e3315.	2.5	5
33	Adaptive pilot decontamination in multi-cell massive MIMO networks. Telecommunication Systems, 2017, 66, 515-522.	2.5	5
34	Phase Jamming Attack: A Practical Attack on Physical layer-Based Key Derivation. , 2018, , .		5
35	Power Allocation for Downlink Training in Cell-Free Massive MIMO Networks. , 2020, , .		5
36	User Clustering and Resource Allocation in Hybrid NOMA-OMA Systems Under Nakagami- $m$ Fading. IEEE Access, 2022, 10, 38709-38728.	4.2	5

#	ARTICLE	IF	CITATIONS
37	Bio-inspired distributed beamforming for cognitive radio networks in non-stationary environment. IEICE Electronics Express, 2011, 8, 332-339.	0.8	4
38	Minimum power transmission design for cognitive radio networks in non-stationary environment. IEICE Electronics Express, 2011, 8, 136-142.	0.8	4
39	Dynamic Fractional Frequency Reuse (DFFR) with AMC and Random Access in WiMAX System. Wireless Personal Communications, 2013, 68, 1871-1881.	2.7	4
40	Power and Time Slot Allocation in Cognitive Relay Networks Using Particle Swarm Optimization. Scientific World Journal, The, 2013, 2013, 1-9.	2.1	4
41	A spectrum handover mechanism for secondary users in cognitive femtocell HetNets. , 2016, , .		4
42	Spectral Efficiency of Dense Multicell Massive MIMO Networks in Spatially Correlated Channels. IEEE Transactions on Vehicular Technology, 2021, 70, 1307-1316.	6.3	4
43	Direction-based jamming detection and suppression in mmWave massive MIMO networks. IET Communications, 2021, 15, 1780-1790.	2.2	4
44	Comparison of Several Multiple Antenna Multiuser Detectors in Wireless CDMA Systems. , 2003, , .		2
45	On space-time block coding in downlink of multiuser CDMA systems. , 0, , .		2
46	Space-Time Precoding for Downlink Transmission in Multiple Antenna CDMA Systems. IEEE Transactions on Vehicular Technology, 2007, 56, 2590-2602.	6.3	2
47	A precoding technique for joint relaying and broadcasting in cognitive radio networks. , 2009, , .		2
48	Cognitive beamforming using genetic algorithm. , 2010, , .		2
49	Distributed Space-Time Coding for Two-Way Relay Networks. , 2014, , .		2
50	Energy efficiency and sum-rate maximization in MIMO two-way relay networks. , 2015, , .		2
51	Energy efficiency maximization in FDD massive MIMO systems with channel aging. Wireless Networks, 2020, 26, 4031-4044.	3.0	2
52	Uncoordinated Channel Tracking for High-Rate Internet of Things in Multiuser Massive MIMO. , 2020, , .		2
53	Group Transmission in Downlink of Overloaded CDMA Systems. , 2006, , .		1
54	On multi-user detection in CDMA based cooperative networks. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
55	Transmit power reduction in MIMO-THP using tilted constellation. , 2012, , .		1
56	On the uplink spectral efficiency of full-duplex cooperative OFDMA systems. , 2016, , .		1
57	Resource allocation and relay selection in full-duplex cooperative orthogonal frequency division multiple access networks. Computers and Electrical Engineering, 2017, 61, 223-234.	4.8	1
58	Security Vulnerability of FDD Massive MIMO Systems in Downlink Training Phase. , 2018, , .		1
59	Outage Balancing in Downlink NOMA Over Nakagami- <i>m</i> Fading Channels. IEEE Access, 2021, 9, 102886-102898.	4.2	1
60	Joint Transmit Precoding in Downlink of MISO MC-CDMA Systems. , 2006, , .		0
61	Minimum SINR maximization in the downlink of cognitive radio networks. , 2009, , .		0
62	Comparison of radiometry and modified periodogram spectrum detection in wireless radio networks. , 2010, , .		0
63	Power Optimization of Tilted Tomlinson-Harashima Precoder in MIMO Channels with Imperfect Channel State Information. Journal of Optimization, 2013, 2013, 1-6.	6.0	0
64	An antenna selection method for two-way relay networks. , 2014, , .		0