Masoud Ardakani

List of Publications by Year
in descending order

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40	876	394286	526166
papers	citations	19 h-index	27 g-index

40	40	40	818
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two-Way Amplify-and-Forward Multiple-Input Multiple-Output Relay Networks with Antenna Selection. IEEE Journal on Selected Areas in Communications, 2012, 30, 1513-1529.	9.7	82
2	Fast Successive-Cancellation Decoding of Polar Codes: Identification and Decoding of New Nodes. IEEE Communications Letters, 2017, 21, 2360-2363.	2.5	69
3	Output-Threshold Multiple-Relay-Selection Scheme for Cooperative Wireless Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 3091-3097.	3.9	66
4	Performance Analysis Framework for Transmit Antenna Selection Strategies of Cooperative MIMO AF Relay Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 3030-3044.	3.9	49
5	Deep Learning-Based Sphere Decoding. IEEE Transactions on Wireless Communications, 2019, 18, 4368-4378.	6.1	47
6	Decision Directed Channel Estimation Based on Deep Neural Network k -Step Predictor for MIMO Communications in 5G. IEEE Journal on Selected Areas in Communications, 2019, 37, 2443-2456.	9.7	45
7	An Efficient Binary Locally Repairable Code for Hadoop Distributed File System. IEEE Communications Letters, 2014, 18, 1287-1290.	2.5	41
8	Asymptotically-Exact Performance Bounds of AF Multi-Hop Relaying over Nakagami Fading. IEEE Transactions on Communications, 2011, 59, 962-967.	4.9	37
9	Performance Analysis of Zero-Forcing for Two-Way MIMO AF Relay Networks. IEEE Wireless Communications Letters, 2012, 1, 53-56.	3.2	36
10	Multi-Way MIMO Amplify-and-Forward Relay Networks with Zero-Forcing Transmission. IEEE Transactions on Communications, 2013, 61, 4847-4863.	4.9	36
11	Efficient LLR Calculation for Non-Binary Modulations over Fading Channels. IEEE Transactions on Communications, 2011, 59, 1236-1241.	4.9	32
12	Joint Relay and Antenna Selection for Dual-Hop Amplify-and-Forward MIMO Relay Networks. IEEE Transactions on Wireless Communications, 2012, 11, 493-499.	6.1	32
13	Linear LLR approximation for iterative decoding on wireless channels. IEEE Transactions on Communications, 2009, 57, 3278-3287.	4.9	30
14	Performance Analysis of Hop-by-Hop Beamforming for Dual-Hop MIMO AF Relay Networks. IEEE Transactions on Communications, 2012, 60, 1823-1837.	4.9	30
15	A Class of Binary Locally Repairable Codes. IEEE Transactions on Communications, 2016, 64, 3182-3193.	4.9	25
16	Sum Rate Analysis of Two-Way MIMO AF Relay Networks with Zero-Forcing. IEEE Transactions on Wireless Communications, 2013, 12, 4456-4469.	6.1	23
17	Performance Analysis of Pairwise Amplify-and-Forward Multi-Way Relay Networks. IEEE Wireless Communications Letters, 2012, 1, 524-527.	3.2	21
18	Relay Selection Strategies for MIMO Two-Way Relay Networks With Spatial Multiplexing. IEEE Transactions on Communications, 2015, 63, 4694-4710.	4.9	21

#	Article	IF	Citations
19	Performance Analysis of Massive MIMO Two-Way Relay Networks With Pilot Contamination, Imperfect CSI, and Antenna Correlation. IEEE Transactions on Vehicular Technology, 2018, 67, 4831-4842.	3.9	20
20	Relay Selection for Cognitive Massive MIMO Two-Way Relay Networks. , 2017, , .		19
21	Ergodic sum rate analysis and efficient power allocation for a massive MIMO twoâ€way relay network. IET Communications, 2017, 11, 211-217.	1.5	13
22	Generalized Relay Selection for Network-Coded Cooperation Systems. IEEE Communications Letters, 2017, 21, 2742-2745.	2.5	13
23	Feedback Delay Effect on Dual-Hop MIMO AF Relaying with Antenna Selection. , 2010, , .		12
24	On Raptor Code Design for Inactivation Decoding. IEEE Transactions on Communications, 2012, 60, 2377-2381.	4.9	12
25	NOMA-Aided Multi-Way Massive MIMO Relaying. IEEE Transactions on Communications, 2020, 68, 4050-4062.	4.9	12
26	Transmit Antenna Selection Strategies for Cooperative MIMO AF Relay Networks. , 2010, , .		10
27	Interference Suppression and Energy Efficiency Improvement With Massive MIMO and Relay Selection in Cognitive Two-Way Relay Networks. IEEE Transactions on Green Communications and Networking, 2020, 4, 326-339.	3.5	9
28	LDPC code design considerations for non-uniform channels. IEEE Transactions on Communications, 2010, 58, 101-109.	4.9	7
29	A Deep Learning Based Channel Estimation for High Mobility Vehicular Communications. , 2020, , .		6
30	Relay selection for MIMO two-way relay networks with spatial multiplexing. , 2015, , .		5
31	Partial Zero-Forcing for Multi-Way Relay Networks. IEEE Transactions on Communications, 2018, , 1-1.	4.9	5
32	Partial zero forcing for multi-way relay networks. , 2015, , .		3
33	NOMA-Aided Multi-Way Massive MIMO Relay Networks. , 2019, , .		3
34	Multi-way MIMO amplify-and-forward relay networks with zero-forcing. , 2012, , .		2
35	Piecewise linear LLR approximation for non-binary modulations over Gaussian channels with unknown noise variance. , 2010, , .		1
36	Sum rate of two-way MIMO AF relay networks with transmit/receive zero-forcing. , 2012, , .		1

#	Article	IF	Citations
37	Modified REP Pattern for 3Ã—3 Kernel Polar Codes. IEEE Wireless Communications Letters, 2021, 10, 919-923.	3.2	1
38	Statistical Radius Selection for Sphere Decoding. , 2020, , .		0
39	Deep Adaptive Transmission for Internet of Vehicles (IoV). , 2020, , .		0
40	New Fast Nodes for 3Ã—3 Kernel Polar Codes. , 2020, , .		0