

Masoud

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103
papers

1,133
citations

21
h-index

28
g-index

124
ext. papers

1,441
ext. citations

6.4
avg, IF

4.95
L-index

#	Paper	IF	Citations
103	Two-Way Amplify-and-Forward Multiple-Input Multiple-Output Relay Networks with Antenna Selection. <i>IEEE Journal on Selected Areas in Communications</i> , 2012 , 30, 1513-1529	14.2	68
102	Characterizing genomic alterations in cancer by complementary functional associations. <i>Nature Biotechnology</i> , 2016 , 34, 539-46	44.5	57
101	Output-Threshold Multiple-Relay-Selection Scheme for Cooperative Wireless Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 3091-3097	6.8	51
100	Waterfall Performance Analysis of Finite-Length LDPC Codes on Symmetric Channels. <i>IEEE Transactions on Communications</i> , 2009 , 57, 3183-3187	6.9	48
99	Fast Successive-Cancellation Decoding of Polar Codes: Identification and Decoding of New Nodes. <i>IEEE Communications Letters</i> , 2017 , 21, 2360-2363	3.8	40
98	Performance Analysis Framework for Transmit Antenna Selection Strategies of Cooperative MIMO AF Relay Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 3030-3044	6.8	39
97	An Efficient Binary Locally Repairable Code for Hadoop Distributed File System. <i>IEEE Communications Letters</i> , 2014 , 18, 1287-1290	3.8	33
96	Lifetime Analysis of Random Event-Driven Clustered Wireless Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2011 , 10, 1448-1458	4.6	33
95	On Symbol Mapping for Binary Physical-Layer Network Coding with PSK Modulation. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 21-26	9.6	32
94	Performance Analysis of Zero-Forcing for Two-Way MIMO AF Relay Networks. <i>IEEE Wireless Communications Letters</i> , 2012 , 1, 53-56	5.9	31
93	Deep Learning-Based Sphere Decoding. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4368-4378	3.7	30
92	Multi-Way MIMO Amplify-and-Forward Relay Networks with Zero-Forcing Transmission. <i>IEEE Transactions on Communications</i> , 2013 , 61, 4847-4863	6.9	30
91	Asymptotically-Exact Performance Bounds of AF Multi-Hop Relaying over Nakagami Fading. <i>IEEE Transactions on Communications</i> , 2011 , 59, 962-967	6.9	28
90	Characterizing the traffic distribution in linear wireless sensor networks. <i>IEEE Communications Letters</i> , 2008 , 12, 554-556	3.8	27
89	Joint Relay and Antenna Selection for Dual-Hop Amplify-and-Forward MIMO Relay Networks. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 493-499	9.6	26
88	Gamma Codes: A low-overhead linear-complexity network coding solution 2012 ,		26
87	Efficient LLR Calculation for Non-Binary Modulations over Fading Channels. <i>IEEE Transactions on Communications</i> , 2011 , 59, 1236-1241	6.9	25

86	Performance Analysis of Hop-by-Hop Beamforming for Dual-Hop MIMO AF Relay Networks. <i>IEEE Transactions on Communications</i> , 2012 , 60, 1823-1837	6.9	24
85	Decision Directed Channel Estimation Based on Deep Neural Network k-Step Predictor for MIMO Communications in 5G. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 2443-2456	14.2	21
84	Sum Rate Analysis of Two-Way MIMO AF Relay Networks with Zero-Forcing. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 4456-4469	9.6	21
83	A Class of Binary Locally Repairable Codes. <i>IEEE Transactions on Communications</i> , 2016 , 64, 3182-3193	6.9	21
82	Relay Selection Strategies for MIMO Two-Way Relay Networks With Spatial Multiplexing. <i>IEEE Transactions on Communications</i> , 2015 , 63, 4694-4710	6.9	19
81	Performance Analysis of Pairwise Amplify-and-Forward Multi-Way Relay Networks. <i>IEEE Wireless Communications Letters</i> , 2012 , 1, 524-527	5.9	19
80	Optimal User Pairing for Asymmetric Multi-Way Relay Channels with Pairwise Relaying. <i>IEEE Communications Letters</i> , 2012 , 16, 1852-1855	3.8	17
79	Relay Selection for Cognitive Massive MIMO Two-Way Relay Networks 2017 ,		15
78	Fast Successive-Cancellation-Based Decoders of Polar Codes. <i>IEEE Transactions on Communications</i> , 2019 , 67, 4562-4574	6.9	15
77	Performance Analysis of Massive MIMO Two-Way Relay Networks With Pilot Contamination, Imperfect CSI, and Antenna Correlation. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 4831-4842	6.8	15
76	Reliable Communication over Non-Binary Insertion/Deletion Channels. <i>IEEE Transactions on Communications</i> , 2012 , 60, 3597-3608	6.9	13
75	Linear LLR approximation for iterative decoding on wireless channels. <i>IEEE Transactions on Communications</i> , 2009 , 57, 3278-3287	6.9	13
74	Ergodic sum rate analysis and efficient power allocation for a massive MIMO two-way relay network. <i>IET Communications</i> , 2017 , 11, 211-217	1.3	12
73	Design of Heterogeneous Sensor Networks with Lifetime and Coverage Considerations. <i>IEEE Wireless Communications Letters</i> , 2012 , 1, 193-196	5.9	12
72	On Raptor Code Design for Inactivation Decoding. <i>IEEE Transactions on Communications</i> , 2012 , 60, 2377-2381	6.3	12
71	Feedback Delay Effect on Dual-Hop MIMO AF Relaying with Antenna Selection 2010 ,		11
70	On storage allocation for maximum service rate in distributed storage systems 2016 ,		10
69	Resource Allocation for Two-Way AF Relaying with Receive Channel Knowledge. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 2002-2007	9.6	9

68	Allocation for Heterogeneous Storage Nodes. <i>IEEE Communications Letters</i> , 2015 , 19, 2102-2105	3.8	8
67	Generalized Relay Selection for Network-Coded Cooperation Systems. <i>IEEE Communications Letters</i> , 2017 , 21, 2742-2745	3.8	8
66	Transmit Antenna Selection Strategies for Cooperative MIMO AF Relay Networks 2010 ,		8
65	Adaptive Multiple Relay Selection Scheme for Cooperative Wireless Networks 2010 ,		8
64	A Probability Model for Lifetime of Event-Driven Wireless Sensor Networks 2008 ,		8
63	Performance Bounds for AF Multi-Hop Relaying over Nakagami Fading 2010 ,		7
62	Identical-capacity channel decomposition for design of universal LDPC codes. <i>IEEE Transactions on Communications</i> , 2009 , 57, 1972-1981	6.9	7
61	A Probabilistic Lifetime Analysis for Clustered Wireless Sensor Networks 2008 ,		7
60	Network-Coded Cooperation With Outdated CSI. <i>IEEE Communications Letters</i> , 2018 , 22, 1720-1723	3.8	7
59	Performance Analysis of Massive MIMO Multi-Way Relay Networks With Low-Resolution ADCs. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 5794-5806	9.6	6
58	NOMA-Aided Multi-Way Massive MIMO Relaying. <i>IEEE Transactions on Communications</i> , 2020 , 68, 4050-4062	9.6	6
57	Blind Instantly Decodable Network Codes for Wireless Broadcast of Real-Time Multimedia. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 2276-2288	9.6	6
56	On the Average Locality of Locally Repairable Codes. <i>IEEE Transactions on Communications</i> , 2018 , 66, 2773-2783	6.9	6
55	Massive MIMO two-way relay networks with channel imperfections 2016 ,		6
54	Power Allocation Strategies across N Orthogonal Channels at Both Source and Relay. <i>IEEE Transactions on Communications</i> , 2012 , 60, 1469-1473	6.9	6
53	Joint beamforming and antenna selection for two-way amplify-and-forward MIMO relay networks 2012 ,		6
52	Polar Codes: Bounds on Bhattacharyya Parameters and Their Applications. <i>IEEE Transactions on Communications</i> , 2018 , 66, 5927-5937	6.9	6
51	Interference Suppression and Energy Efficiency Improvement With Massive MIMO and Relay Selection in Cognitive Two-Way Relay Networks. <i>IEEE Transactions on Green Communications and Networking</i> , 2020 , 4, 326-339	4	5

50	A New Class of Rateless Codes Based on Reed-Solomon Codes. <i>IEEE Transactions on Communications</i> , 2016 , 64, 49-58	6.9	5
49	Relay selection for MIMO two-way relay networks with spatial multiplexing 2015 ,		5
48	On the Capacity Gap of Gaussian Multi-Way Relay Channels 2012 ,		5
47	Relay Selection in Network-Coded Cooperative MIMO Systems. <i>IEEE Transactions on Communications</i> , 2019 , 67, 5346-5361	6.9	4
46	Multuser Diversity in Network-Coded Cooperation: Outage and Diversity Analysis. <i>IEEE Communications Letters</i> , 2019 , 23, 550-553	3.8	4
45	Fountain Code Design for the Y-Network. <i>IEEE Communications Letters</i> , 2015 , 19, 703-706	3.8	4
44	Partial Zero-Forcing for Multi-Way Relay Networks. <i>IEEE Transactions on Communications</i> , 2018 , 1-1	6.9	4
43	Improving the Update Complexity of Locally Repairable Codes. <i>IEEE Transactions on Communications</i> , 2018 , 66, 3711-3720	6.9	4
42	Optimum Bit-Sensor Assignment for Distributed Estimation in Inhomogeneous Sensor Networks. <i>IEEE Communications Letters</i> , 2014 , 18, 668-671	3.8	4
41	Disjoint LDPC coding for Gaussian broadcast channels 2009 ,		4
40	LDPC code design considerations for non-uniform channels. <i>IEEE Transactions on Communications</i> , 2010 , 58, 101-109	6.9	4
39	A Deep Learning Based Channel Estimation for High Mobility Vehicular Communications 2020 ,		3
38	Optimal Channel Equalizer for mmWave Massive MIMO Using 1-bit ADCs in Frequency-Selective Channels. <i>IEEE Communications Letters</i> , 2020 , 24, 882-885	3.8	3
37	Capacity Region of ALOHA Protocol for Heterogeneous IoT Networks. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 8228-8236	10.7	3
36	NOMA-Aided Multi-Way Massive MIMO Relay Networks 2019 ,		3
35	On the Capacity of Duplication Channels. <i>IEEE Transactions on Communications</i> , 2013 , 61, 1020-1027	6.9	3
34	Network Coded Cooperation Based on Relay Selection with Imperfect CSI 2017 ,		3
33	Two-Way Amplify-and-Forward MIMO Relay Networks with Antenna Selection 2011 ,		3

32	Optimal node distribution for achieving a desired lifetime in wireless sensor networks 2008 ,		3
31	On the design of universal LDPC codes 2008 ,		3
30	Optimum Linear LLR Calculation for Iterative Decoding on Fading Channels 2007 ,		3
29	Network-Coded Cooperative Systems With Generalized User-Relay Selection. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 7251-7264	9.6	3
28	Generalized User-Relay Selection in Network-Coded Cooperation Systems 2019 ,		2
27	Performance Analysis of Hop-by-Hop Beamforming for Dual-Hop MIMO AF Relay Networks. <i>IEEE Transactions on Communications</i> , 2012 , 60, 1823-1837	6.9	2
26	On minimum distance of locally repairable codes 2017 ,		2
25	Multi-way MIMO amplify-and-forward relay networks with zero-forcing 2012 ,		2
24	Energy Efficiency of Universal Decentralized Estimation in Random Sensor Networks. <i>IEEE Transactions on Wireless Communications</i> , 2011 , 10, 4023-4028	9.6	2
23	A Distributed Low-Complexity Coding Solution for Large-Scale Distributed FFT. <i>IEEE Transactions on Communications</i> , 2020 , 68, 6617-6628	6.9	2
22	Maximizing Data Rate for Multiway Relay Channels With Pairwise Transmission Strategy. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 1609-1618	9.6	1
21	Performance Analysis of Massive MIMO Multi-Way Relays with Low-Resolution ADCs 2019 ,		1
20	On Network Coding for Funnel Networks. <i>IEEE Communications Letters</i> , 2015 , 19, 1897-1900	3.8	1
19	Exact Solutions for Certain Weighted Sum-Rate and Common-Rate Maximization Problems. <i>IEEE Communications Letters</i> , 2018 , 22, 1026-1029	3.8	1
18	On the Achievable Rates of Memoryless Two-Way Relay Channels 2013 ,		1
17	Minimizing the Update Complexity of Facebook HDFS-RAID Locally Repairable Code 2017 ,		1
16	A power-efficient method to increase common rate in AF multi-way relay channels 2015 ,		1
15	Reduced-overhead multicasting of different QoS data classes 2012 ,		1

14	Energy-Efficient Quantization for Parameter Estimation in Inhomogeneous WSNs 2011 ,		1
13	Sum rate of two-way MIMO AF relay networks with transmit/receive zero-forcing 2012 ,		1
12	Receive antenna selection for unitary space-time modulation over semi-correlated Ricean channels. <i>IEEE Transactions on Communications</i> , 2010 , 58, 521-530	6.9	1
11	Complexity-Optimized Irregular Decoders 2006 ,		1
10	Superposition network coded cooperation for wireless networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2016 , 27, 874-890	1.9	1
9	Maximum Likelihood Time Synchronization for Zero-Padded OFDM. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 641-654	4.8	1
8	Design of LDPC Codes with Strong Universal Properties. <i>IEEE Wireless Communications Letters</i> , 2012 , 1, 392-395	5.9	0
7	EGN-Based Optimization of the APSK Constellations for the Non-Linear Fiber Channel Based on the Symbol-Wise Mutual Information. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	0
6	Low-Latency Data Sharing in Erasure Multi-Way Relay Channels. <i>IEEE Transactions on Communications</i> , 2013 , 61, 4161-4172	6.9	
5	Stability analysis of an improved min-sum decoder. <i>IEEE Communications Letters</i> , 2008 , 12, 581-583	3.8	
4	Robust LDPC decoding using irregular decoders. <i>IEEE Communications Letters</i> , 2008 , 12, 888-890	3.8	
3	On Allocation of Systematic Blocks in Coded Distributed Computing. <i>IEEE Communications Letters</i> , 2022 , 1-1	3.8	
2	Distributed Decoding for Coded Distributed Computing. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	
1	Modified REP Pattern for 3B Kernel Polar Codes. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 919-923	3.9	