

Masoud

List of Publications by Year in Descending Order

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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 | On Allocation of Systematic Blocks in Coded Distributed Computing. <i>IEEE Communications Letters</i> , 2022 , 1-1 | 3.8 | |
| 102 | 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 |
| 101 | Distributed Decoding for Coded Distributed Computing. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1 | 10.7 | |
| 100 | Modified REP Pattern for 3B Kernel Polar Codes. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 919-923 | 3.9 | |
| 99 | Maximum Likelihood Time Synchronization for Zero-Padded OFDM. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 641-654 | 4.8 | 1 |
| 98 | 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 |
| 97 | A Deep Learning Based Channel Estimation for High Mobility Vehicular Communications 2020 , | | 3 |
| 96 | NOMA-Aided Multi-Way Massive MIMO Relaying. <i>IEEE Transactions on Communications</i> , 2020 , 68, 4050-4062 | 6.2 | 6 |
| 95 | 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 |
| 94 | 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 |
| 93 | Network-Coded Cooperative Systems With Generalized User-Relay Selection. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 7251-7264 | 9.6 | 3 |
| 92 | A Distributed Low-Complexity Coding Solution for Large-Scale Distributed FFT. <i>IEEE Transactions on Communications</i> , 2020 , 68, 6617-6628 | 6.9 | 2 |
| 91 | Decision Directed Channel Estimation Based on Deep Neural Network \hat{h} -Step Predictor for MIMO Communications in 5G. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 2443-2456 | 14.2 | 21 |
| 90 | Performance Analysis of Massive MIMO Multi-Way Relays with Low-Resolution ADCs 2019 , | | 1 |
| 89 | Relay Selection in Network-Coded Cooperative MIMO Systems. <i>IEEE Transactions on Communications</i> , 2019 , 67, 5346-5361 | 6.9 | 4 |
| 88 | Fast Successive-Cancellation-Based Decoders of Polar Codes. <i>IEEE Transactions on Communications</i> , 2019 , 67, 4562-4574 | 6.9 | 15 |
| 87 | Multiuser Diversity in Network-Coded Cooperation: Outage and Diversity Analysis. <i>IEEE Communications Letters</i> , 2019 , 23, 550-553 | 3.8 | 4 |

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| 86 | Deep Learning-Based Sphere Decoding. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4368-4378 | 30 |
| 85 | Capacity Region of ALOHA Protocol for Heterogeneous IoT Networks. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 8228-8236 | 10.7 3 |
| 84 | Generalized User-Relay Selection in Network-Coded Cooperation Systems 2019 , | 2 |
| 83 | NOMA-Aided Multi-Way Massive MIMO Relay Networks 2019 , | 3 |
| 82 | 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 |
| 81 | Partial Zero-Forcing for Multi-Way Relay Networks. <i>IEEE Transactions on Communications</i> , 2018 , 1-1 | 6.9 4 |
| 80 | Exact Solutions for Certain Weighted Sum-Rate and Common-Rate Maximization Problems. <i>IEEE Communications Letters</i> , 2018 , 22, 1026-1029 | 3.8 1 |
| 79 | 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 |
| 78 | On the Average Locality of Locally Repairable Codes. <i>IEEE Transactions on Communications</i> , 2018 , 66, 2773-2783 | 6.9 6 |
| 77 | Improving the Update Complexity of Locally Repairable Codes. <i>IEEE Transactions on Communications</i> , 2018 , 66, 3711-3720 | 6.9 4 |
| 76 | Polar Codes: Bounds on Bhattacharyya Parameters and Their Applications. <i>IEEE Transactions on Communications</i> , 2018 , 66, 5927-5937 | 6.9 6 |
| 75 | Network-Coded Cooperation With Outdated CSI. <i>IEEE Communications Letters</i> , 2018 , 22, 1720-1723 | 3.8 7 |
| 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 | 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 |
| 72 | Relay Selection for Cognitive Massive MIMO Two-Way Relay Networks 2017 , | 15 |
| 71 | 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 |
| 70 | Generalized Relay Selection for Network-Coded Cooperation Systems. <i>IEEE Communications Letters</i> , 2017 , 21, 2742-2745 | 3.8 8 |
| 69 | On minimum distance of locally repairable codes 2017 , | 2 |

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| 68 | Network Coded Cooperation Based on Relay Selection with Imperfect CSI 2017 , | | 3 |
| 67 | Minimizing the Update Complexity of Facebook HDFS-RAID Locally Repairable Code 2017 , | | 1 |
| 66 | Massive MIMO two-way relay networks with channel imperfections 2016 , | | 6 |
| 65 | On storage allocation for maximum service rate in distributed storage systems 2016 , | | 10 |
| 64 | A New Class of Rateless Codes Based on Reed-Solomon Codes. <i>IEEE Transactions on Communications</i> , 2016 , 64, 49-58 | 6.9 | 5 |
| 63 | A Class of Binary Locally Repairable Codes. <i>IEEE Transactions on Communications</i> , 2016 , 64, 3182-3193 | 6.9 | 21 |
| 62 | Superposition network coded cooperation for wireless networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2016 , 27, 874-890 | 1.9 | 1 |
| 61 | Characterizing genomic alterations in cancer by complementary functional associations. <i>Nature Biotechnology</i> , 2016 , 34, 539-46 | 44.5 | 57 |
| 60 | Fountain Code Design for the Y-Network. <i>IEEE Communications Letters</i> , 2015 , 19, 703-706 | 3.8 | 4 |
| 59 | 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 |
| 58 | On Network Coding for Funnel Networks. <i>IEEE Communications Letters</i> , 2015 , 19, 1897-1900 | 3.8 | 1 |
| 57 | Allocation for Heterogeneous Storage Nodes. <i>IEEE Communications Letters</i> , 2015 , 19, 2102-2105 | 3.8 | 8 |
| 56 | A power-efficient method to increase common rate in AF multi-way relay channels 2015 , | | 1 |
| 55 | Relay selection for MIMO two-way relay networks with spatial multiplexing 2015 , | | 5 |
| 54 | An Efficient Binary Locally Repairable Code for Hadoop Distributed File System. <i>IEEE Communications Letters</i> , 2014 , 18, 1287-1290 | 3.8 | 33 |
| 53 | Optimum Bit-Sensor Assignment for Distributed Estimation in Inhomogeneous Sensor Networks. <i>IEEE Communications Letters</i> , 2014 , 18, 668-671 | 3.8 | 4 |
| 52 | On the Achievable Rates of Memoryless Two-Way Relay Channels 2013 , | | 1 |
| 51 | On the Capacity of Duplication Channels. <i>IEEE Transactions on Communications</i> , 2013 , 61, 1020-1027 | 6.9 | 3 |

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| 50 | 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 |
| 49 | Low-Latency Data Sharing in Erasure Multi-Way Relay Channels. <i>IEEE Transactions on Communications</i> , 2013 , 61, 4161-4172 | 6.9 | |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | Design of Heterogeneous Sensor Networks with Lifetime and Coverage Considerations. <i>IEEE Wireless Communications Letters</i> , 2012 , 1, 193-196 | 5.9 | 12 |
| 42 | Performance Analysis of Pairwise Amplify-and-Forward Multi-Way Relay Networks. <i>IEEE Wireless Communications Letters</i> , 2012 , 1, 524-527 | 5.9 | 19 |
| 41 | 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 |
| 40 | Reliable Communication over Non-Binary Insertion/Deletion Channels. <i>IEEE Transactions on Communications</i> , 2012 , 60, 3597-3608 | 6.9 | 13 |
| 39 | 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 |
| 38 | 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 |
| 37 | Optimal User Pairing for Asymmetric Multi-Way Relay Channels with Pairwise Relaying. <i>IEEE Communications Letters</i> , 2012 , 16, 1852-1855 | 3.8 | 17 |
| 36 | Gamma Codes: A low-overhead linear-complexity network coding solution 2012 , | | 26 |
| 35 | Reduced-overhead multicasting of different QoS data classes 2012 , | | 1 |
| 34 | On Raptor Code Design for Inactivation Decoding. <i>IEEE Transactions on Communications</i> , 2012 , 60, 2377-2381 | 9.6 | 12 |
| 33 | 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 |

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| 32 | Multi-way MIMO amplify-and-forward relay networks with zero-forcing 2012 , | | 2 |
| 31 | Joint beamforming and antenna selection for two-way amplify-and-forward MIMO relay networks 2012 , | | 6 |
| 30 | Design of LDPC Codes with Strong Universal Properties. <i>IEEE Wireless Communications Letters</i> , 2012 , 1, 392-395 | 5.9 | 0 |
| 29 | Sum rate of two-way MIMO AF relay networks with transmit/receive zero-forcing 2012 , | | 1 |
| 28 | On the Capacity Gap of Gaussian Multi-Way Relay Channels 2012 , | | 5 |
| 27 | Two-Way Amplify-and-Forward MIMO Relay Networks with Antenna Selection 2011 , | | 3 |
| 26 | Lifetime Analysis of Random Event-Driven Clustered Wireless Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2011 , 10, 1448-1458 | 4.6 | 33 |
| 25 | 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 |
| 24 | 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 |
| 23 | Efficient LLR Calculation for Non-Binary Modulations over Fading Channels. <i>IEEE Transactions on Communications</i> , 2011 , 59, 1236-1241 | 6.9 | 25 |
| 22 | Energy Efficiency of Universal Decentralized Estimation in Random Sensor Networks. <i>IEEE Transactions on Wireless Communications</i> , 2011 , 10, 4023-4028 | 9.6 | 2 |
| 21 | Energy-Efficient Quantization for Parameter Estimation in Inhomogeneous WSNs 2011 , | | 1 |
| 20 | Performance Bounds for AF Multi-Hop Relaying over Nakagami Fading 2010 , | | 7 |
| 19 | Transmit Antenna Selection Strategies for Cooperative MIMO AF Relay Networks 2010 , | | 8 |
| 18 | Feedback Delay Effect on Dual-Hop MIMO AF Relaying with Antenna Selection 2010 , | | 11 |
| 17 | Adaptive Multiple Relay Selection Scheme for Cooperative Wireless Networks 2010 , | | 8 |
| 16 | Output-Threshold Multiple-Relay-Selection Scheme for Cooperative Wireless Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 3091-3097 | 6.8 | 51 |
| 15 | LDPC code design considerations for non-uniform channels. <i>IEEE Transactions on Communications</i> , 2010 , 58, 101-109 | 6.9 | 4 |

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| 14 | 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 |
| 13 | Identical-capacity channel decomposition for design of universal LDPC codes. <i>IEEE Transactions on Communications</i> , 2009 , 57, 1972-1981 | 6.9 | 7 |
| 12 | Waterfall Performance Analysis of Finite-Length LDPC Codes on Symmetric Channels. <i>IEEE Transactions on Communications</i> , 2009 , 57, 3183-3187 | 6.9 | 48 |
| 11 | Linear LLR approximation for iterative decoding on wireless channels. <i>IEEE Transactions on Communications</i> , 2009 , 57, 3278-3287 | 6.9 | 13 |
| 10 | Disjoint LDPC coding for Gaussian broadcast channels 2009 , | | 4 |
| 9 | Characterizing the traffic distribution in linear wireless sensor networks. <i>IEEE Communications Letters</i> , 2008 , 12, 554-556 | 3.8 | 27 |
| 8 | Stability analysis of an improved min-sum decoder. <i>IEEE Communications Letters</i> , 2008 , 12, 581-583 | 3.8 | |
| 7 | Robust LDPC decoding using irregular decoders. <i>IEEE Communications Letters</i> , 2008 , 12, 888-890 | 3.8 | |
| 6 | A Probability Model for Lifetime of Event-Driven Wireless Sensor Networks 2008 , | | 8 |
| 5 | Optimal node distribution for achieving a desired lifetime in wireless sensor networks 2008 , | | 3 |
| 4 | A Probabilistic Lifetime Analysis for Clustered Wireless Sensor Networks 2008 , | | 7 |
| 3 | On the design of universal LDPC codes 2008 , | | 3 |
| 2 | Optimum Linear LLR Calculation for Iterative Decoding on Fading Channels 2007 , | | 3 |
| 1 | Complexity-Optimized Irregular Decoders 2006 , | | 1 |