

Shaoshi Yang

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.

55 papers	1,630 citations	19 h-index	39 g-index
66 ext. papers	2,038 ext. citations	7.1 avg, IF	5.26 L-index

#	Paper	IF	Citations
55	. <i>China Communications</i> , 2021 , 1-8	3	
54	A recurrent video quality enhancement framework with multi-granularity frame-fusion and frame difference based attention. <i>Neurocomputing</i> , 2021 , 431, 34-46	5.4	3
53	Achieving Energy-Efficient Uplink URLLC with MIMO-Aided Grant-Free Access. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	3
52	. <i>IEEE Vehicular Technology Magazine</i> , 2020 , 15, 72-78	9.9	0
51	Spatial overlapping index based joint beam selection for millimeter-wave multiuser MIMO systems. <i>Signal Processing</i> , 2020 , 167, 107321	4.4	1
50	On the Energy Efficiency of Interference Alignment in the K _s K _s -User Interference Channel. <i>IEEE Access</i> , 2019 , 7, 97253-97263	3.5	1
49	Robust Beamforming and Jamming for Enhancing the Physical Layer Security of Full Duplex Radios. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 3151-3159	8	30
48	An Approach to Reduce the Overhead of Training Sequences in FDD Massive MIMO Downlink Systems. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 1301-1305	5.9	1
47	Physical Detection of Misbehavior in Relay Systems With Unreliable Channel State Information. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 1517-1530	14.2	13
46	Near-Optimal Layer Placement for Scalable Videos in Cache-Enabled Small-Cell Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 9047-9051	6.8	16
45	. <i>IEEE Systems Journal</i> , 2017 , 11, 1072-1083	4.3	24
44	Power Allocation Optimization for Energy-Efficient Massive MIMO Aided Multi-Pair Decode-and-Forward Relay Systems. <i>IEEE Transactions on Communications</i> , 2017 , 65, 2368-2381	6.9	29
43	. <i>IEEE Access</i> , 2017 , 5, 9632-9646	3.5	14
42	Energy-efficient joint communication-motion planning for relay-assisted wireless robot surveillance 2017 ,		14
41	Achieving Maximum Effective Capacity in OFDMA Networks Operating Under Statistical Delay Guarantee. <i>IEEE Access</i> , 2017 , 5, 14333-14346	3.5	7
40	Vehicle-Assisted Offloading on Metropolitan Streets: Enhancing Geographical Fluidity of Wireless Resources. <i>IEEE Wireless Communications Letters</i> , 2017 , 6, 622-625	5.9	8
39	A Survey of Multi-Objective Optimization in Wireless Sensor Networks: Metrics, Algorithms, and Open Problems. <i>IEEE Communications Surveys and Tutorials</i> , 2017 , 19, 550-586	37.1	227

38	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 2922-2935	6.8	4
37	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 2154-2169	6.8	13
36	Detecting Byzantine Attacks Without Clean Reference. <i>IEEE Transactions on Information Forensics and Security</i> , 2016 , 11, 2717-2731	8	11
35	Optimal ALOHA-Like Random Access With Heterogeneous QoS Guarantees for Multi-Packet Reception Aided Visible Light Communications. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 7872-7884	9.6	13
34	A Belief Propagation-Based Framework for Soft Multiple-Symbol Differential Detection. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 7128-7142	9.6	1
33	Large-scale MIMO is capable of eliminating power-thirsty channel coding for wireless transmission of HEVC/H.265 video. <i>IEEE Wireless Communications</i> , 2016 , 23, 57-63	13.4	10
32	Iterative Distributed Minimum Total MSE Approach for Secure Communications in MIMO Interference Channels. <i>IEEE Transactions on Information Forensics and Security</i> , 2016 , 11, 594-608	8	21
31	A beamspace approach for 2-D localization of incoherently distributed sources in massive MIMO systems. <i>Signal Processing</i> , 2016 , 121, 30-45	4.4	35
30	. <i>IEEE Access</i> , 2016 , 4, 774-791	3.5	49
29	Distributed Energy Spectral Efficiency Optimization for Partial/Full Interference Alignment in Multi-user Multi-relay Multi-cell MIMO Systems. <i>IEEE Transactions on Signal Processing</i> , 2016 , 64, 882-896	4.8	38
28	Space-Time Hierarchical-Graph Based Cooperative Localization in Wireless Sensor Networks. <i>IEEE Transactions on Signal Processing</i> , 2016 , 64, 322-334	4.8	28
27	Wireless information and energy transfer in multi-cluster MIMO uplink networks through opportunistic interference alignment. <i>IEEE Access</i> , 2016 , 4, 3100-3111	3.5	7
26	Semi-Blind Channel Estimation Relying on Optimum Pilots Designed for Multi-Cell Large-Scale MIMO Systems. <i>IEEE Access</i> , 2016 , 4, 1190-1204	3.5	38
25	. <i>China Communications</i> , 2016 , 13, 12-23	3	6
24	Secrecy Transmit Beamforming for Heterogeneous Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 1154-1170	14.2	103
23	Fifty Years of MIMO Detection: The Road to Large-Scale MIMOs. <i>IEEE Communications Surveys and Tutorials</i> , 2015 , 17, 1941-1988	37.1	330
22	Flexible Resource Allocation for Joint Optimization of Energy and Spectral Efficiency in OFDMA Multi-Cell Networks. <i>IEEE Communications Letters</i> , 2015 , 19, 451-454	3.8	15
21	Limited Feedback-Based Interference Alignment for Interfering Multi-Access Channels. <i>IEEE Communications Letters</i> , 2014 , 18, 540-543	3.8	21

20	Spectral and Energy Spectral Efficiency Optimization of Joint Transmit and Receive Beamforming Based Multi-Relay MIMO-OFDMA Cellular Networks. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 6147-6165	9.6	26
19	An ESPRIT-Based Approach for 2-D Localization of Incoherently Distributed Sources in Massive MIMO Systems. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2014 , 8, 996-1011	7.5	144
18	From Nominal to True A Posteriori Probabilities: An Exact Bayesian Theorem Based Probabilistic Data Association Approach for Iterative MIMO Detection and Decoding. <i>IEEE Transactions on Communications</i> , 2013 , 61, 2782-2793	6.9	18
17	. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 1228-1240	6.8	11
16	Achieving Maximum Energy-Efficiency in Multi-Relay OFDMA Cellular Networks: A Fractional Programming Approach. <i>IEEE Transactions on Communications</i> , 2013 , 61, 2746-2757	6.9	127
15	. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 3445-3457	9.6	15
14	A Low Complexity Approach of Combining Cooperative Diversity and Multiuser Diversity in Multiuser Cooperative Networks. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 6247-6256	4.8	11
13	Round-Robin Relaying With Diversity in Amplify-and-Forward Multisource Cooperative Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 1251-1266	6.8	5
12	Maximizing energy-efficiency in multi-relay OFDMA cellular networks 2013 ,		8
11	Exact Bayesian theorem based probabilistic data association for iterative MIMO detection and decoding 2013 ,		1
10	. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 1667-1677	6.8	16
9	User Relay Assisted Traffic Shifting in LTE-Advanced Systems 2013 ,		21
8	IFI and ISI Premitigation for Block-Code-Modulated Noncoherent UWB Impulse Radio: A Code Optimization Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 1635-1648	6.8	8
7	Zero-Forcing Based MIMO Two-Way Relay with Relay Antenna Selection: Transmission Scheme and Diversity Analysis. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 4426-4437	9.6	35
6	Iterative detection and decoding using approximate bayesian theorem based PDA method over MIMO Nakagami-m fading channels 2012 ,		3
5	Unified Bit-Based Probabilistic Data Association Aided MIMO Detection for High-Order QAM Constellations. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 981-991	6.8	23
4	Distributed Probabilistic-Data-Association-Based Soft Reception Employing Base Station Cooperation in MIMO-Aided Multiuser Multicell Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 3532-3538	6.8	11
3	Adaptive Multi-Channel MAC Protocol for Dense VANET with Directional Antennas 2009 ,		8

2	Approximate Minimum BER Power Allocation for MIMO-THP System 2008 ,	1
1	Multi-Group Frequency Hopping OFDMA Based on Statistical Multiplexing 2008 ,	1