

Changick Song

List of Publications by Year
in descending order

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1,163
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430874
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78
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78
docs citations

78
times ranked

1019
citing authors

#	ARTICLE	IF	CITATIONS
1	Message-Passing-Based Joint User Association and Time Allocation for Wireless Powered Communication Networks. IEEE Transactions on Wireless Communications, 2022, 21, 34-47.	9.2	3
2	Regularized artificial fast fading designs for secure transmission in multi-user MIMO wiretap channels. ICT Express, 2022, 8, 569-574.	4.8	0
3	Real-Time Machine Learning Methods for Two-Way End-to-End Wireless Communication Systems. IEEE Internet of Things Journal, 2022, 9, 22983-22992.	8.7	1
4	Secrecy Outage Analysis in NOMA Power Line Communications. IEEE Communications Letters, 2021, 25, 1448-1452.	4.1	17
5	Sum Rate and Fairness Optimization for Intelligent Reflecting Surface Aided Multiuser Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 13436-13440.	6.3	8
6	Low-Resolution ADC Quantized Full-Duplex Massive MIMO-Enabled Wireless Backhaul in Heterogeneous Networks Over Rician Channels. IEEE Transactions on Wireless Communications, 2020, 19, 5503-5517.	9.2	14
7	Full-Duplex Spoofing Relays for Wireless Surveillance With Inter-Relay Interference Suppression. , 2020, , .		0
8	Virtual Subcarrier Aided Channel Estimation Schemes for Tracking Rapid Time Variant Channels in IEEE 802.11p Systems. , 2020, , .		5
9	Beamforming and Resource Allocation for Multiuser Full-Duplex Wireless-Powered Communications in IoT Networks. IEEE Internet of Things Journal, 2020, 7, 11355-11370.	8.7	22
10	Hybrid Beamforming With Variable RF Attenuator for Multi-User mmWave Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 9131-9134.	6.3	6
11	A Deep Learning Based Channel Estimation Scheme for IEEE 802.11p Systems. , 2019, , .		24
12	On the Sum-Rate of Heterogeneous Networks With Low-Resolution ADC Quantized Full-Duplex Massive MIMO-Enabled Backhaul. IEEE Wireless Communications Letters, 2019, 8, 452-455.	5.0	11
13	A New Data Pilot-Aided Channel Estimation Scheme for Fast Time-Varying Channels in IEEE 802.11p Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 5169-5172.	6.3	14
14	Leakage Rate Analysis for Artificial Noise Assisted Massive MIMO With Non-Coherent Passive Eavesdropper in Block-Fading. IEEE Transactions on Wireless Communications, 2019, 18, 2111-2124.	9.2	9
15	Poster: Performance Enhancement of State Feedback Decision Channel Estimation Scheme for IEEE802.11p Systems. , 2019, , .		0
16	Demo: Performance Evaluation of IEEE802.11p Channel Estimation Schemes in Vehicle-to-Vehicle Environments Based on SDR Testbed. , 2019, , .		2
17	Optimal Precoder Designs for Sum-Utility Maximization in SWIPT-Enabled Multi-User MIMO Cognitive Radio Networks. IEEE Systems Journal, 2019, 13, 2332-2343.	4.6	9
18	Weighted MMSE Precoder Designs for Sum-Utility Maximization in Multi-User SWIPT Network-MIMO With Per-BS Power Constraints. IEEE Transactions on Vehicular Technology, 2018, 67, 2809-2813.	6.3	8

#	ARTICLE	IF	CITATIONS
19	An Analysis of the Optimum Node Density for Simultaneous Wireless Information and Power Transfer in Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 2713-2726.	6.3	17
20	Time Allocation Methods for Secure Wireless Powered Communication Networks. , 2018, , .		0
21	Transceiver Designs for MIMO Relaying Systems with Imperfect Channel State Information. Mobile Information Systems, 2018, 2018, 1-12.	0.6	1
22	A New RF Beam Training Method and Asymptotic Performance Analysis for Multi-User Millimeter Wave Systems. IEEE Access, 2018, 6, 48125-48135.	4.2	9
23	Achievable Sum-Rate Analysis of Massive MIMO Full-Duplex Wireless Backhaul Links in Heterogeneous Cellular Networks. IEEE Access, 2018, 6, 23456-23469.	4.2	22
24	Hybrid Analog"Digital Filter Designs for mmWave Multipair Two-Way Relaying Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 7841-7845.	6.3	9
25	Multiple Amplify-and-Forward Full-Duplex Relays for Legitimate Eavesdropping. , 2018, , .		3
26	Achievable Secrecy Rate of Artificial Fast-Fading Techniques and Secret-Key Assisted Design for MIMO Wiretap Channels With Multiantenna Passive Eavesdropper. IEEE Transactions on Vehicular Technology, 2018, 67, 10059-10063.	6.3	7
27	Proactive Eavesdropping With Full-Duplex Relay and Cooperative Jamming. IEEE Transactions on Wireless Communications, 2018, 17, 6707-6719.	9.2	45
28	Relay-Assisted Proactive Eavesdropping With Cooperative Jamming and Spoofing. IEEE Transactions on Wireless Communications, 2018, 17, 6958-6971.	9.2	48
29	Massive-MIMO Enabled FDD Wireless Backhaul Small-Cell Relay Networks: AF Protocol Based Designs With Low Channel Estimation and Feedback Complexity. IEEE Access, 2018, 6, 31050-31064.	4.2	2
30	Novel MRC Paking Channel Estimation Scheme for PER Enhancement of IEEE 802.11p. The Journal of Korean Institute of Information Technology, 2018, 16, 69-78.	0.3	0
31	Inter-Cluster Design of Wireless Fronthaul and Access Links for the Downlink of C-RAN. IEEE Wireless Communications Letters, 2017, 6, 270-273.	5.0	22
32	Designs of MIMO Amplify-and-Forward Wireless Relaying Networks: Practical Challenges and Solutions Based on MSE Decomposition. IEEE Access, 2017, 5, 9223-9234.	4.2	15
33	Precoder Designs for MIMO Gaussian Multiple Access Wiretap Channels. IEEE Transactions on Vehicular Technology, 2017, 66, 8563-8568.	6.3	21
34	New Beamforming Designs for Joint Spatial Division and Multiplexing in Large-Scale MISO Multi-User Systems. IEEE Transactions on Wireless Communications, 2017, 16, 3029-3041.	9.2	48
35	Sum Throughput Maximization for Multi-User MIMO Cognitive Wireless Powered Communication Networks. IEEE Transactions on Wireless Communications, 2017, 16, 913-923.	9.2	43
36	Fronthaul-aware superposition coding for noncoherent transmission in C-RAN downlink. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 661-667.	2.5	0

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37	Secrecy Performance Optimization for Wireless Powered Communication Networks With an Energy Harvesting Jammer. IEEE Transactions on Communications, 2017, 65, 764-774.	7.8	69
38	Outage Probability Analysis and Power Splitter Designs for SWIPT Relaying Systems With Direct Link. IEEE Communications Letters, 2017, 21, 648-651.	4.1	99
39	Transmit Probability Designs for Wireless Peer Discovery With Energy Harvesting. IEEE Communications Letters, 2017, 21, 644-647.	4.1	5
40	A new RF beam training method for multi-user millimeter wave systems. , 2017, , .		3
41	Compressed cooperative reception for the uplink of C-RAN with wireless fronthaul. , 2017, , .		4
42	MMSE based two-stage beamforming for large-scale multi-user MISO systems. , 2016, , .		4
43	Sum Throughput Maximization for MIMO Underlay Cognitive Wireless Powered Communication Networks. , 2016, , .		3
44	Secrecy Outage Minimization for Wireless Powered Communication Networks with an Energy Harvesting Jammer. , 2016, , .		10
45	Reduced complexity MMSE beamforming for two-way AF relaying systems with multiple antennas. , 2016, , .		1
46	Joint Design of Fronthaul and Access Links for C-RAN With Wireless Fronthauling. IEEE Signal Processing Letters, 2016, 23, 1657-1661.	3.6	40
47	Joint Designs of Fronthaul Compression and Precoding for Full-Duplex Cloud Radio Access Networks. IEEE Wireless Communications Letters, 2016, 5, 632-635.	5.0	21
48	Generalized Precoder Designs Based on Weighted MMSE Criterion for Energy Harvesting Constrained MIMO Channels. IEEE Transactions on Wireless Communications, 2016, , 1-1.	9.2	28
49	On the Diversity of Linear Transceivers in MIMO AF Relaying Systems. IEEE Transactions on Information Theory, 2016, 62, 272-289.	2.4	9
50	Robust beamforming designs for nonregenerative multipair two-way relaying systems. IEEE Transactions on Vehicular Technology, 2016, 65, 7802-7808.	6.3	5
51	Shaping-Power-Constrained Transceiver Designs for MIMO AF Relaying Systems With Direct Link. IEEE Transactions on Wireless Communications, 2015, 14, 294-304.	9.2	7
52	Optimal Power Allocation Scheme for Energy Efficiency Maximization in Distributed Antenna Systems. IEEE Transactions on Communications, 2015, 63, 431-440.	7.8	69
53	Precoding Techniques for MIMO AF Relaying Systems With Decision Feedback Receiver. IEEE Transactions on Wireless Communications, 2015, 14, 446-455.	9.2	9
54	Diversity of Coded Beamforming in MIMO-OFDM AF Relaying Systems With Direct Link. IEEE Transactions on Vehicular Technology, 2015, 64, 3817-3822.	6.3	7

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55	MMSE-Based Filter Designs for Cognitive Multiuser Two-Way Relay Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 1638-1643.	6.3	8
56	Achievable diversity-rate tradeoff of MIMO AF relaying systems with MMSE transceivers. , 2014, , .		0
57	MIMO broadcasting for simultaneous wireless information and power transfer: Weighted MMSE approaches. , 2014, , .		16
58	Diversity Analysis of Coded Spatial Multiplexing MIMO AF Relaying Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 3435-3439.	6.3	6
59	A New Beamforming Design for MIMO AF Relaying Systems With Direct Link. IEEE Transactions on Communications, 2014, 62, 2286-2295.	7.8	30
60	Transceiver Designs for Multipoint-to-Multipoint MIMO Amplify-and-Forward Relaying Systems. IEEE Transactions on Wireless Communications, 2014, 13, 198-209.	9.2	14
61	Peak power constrained closed-form transceiver designs for MIMO AF relaying systems with direct link. , 2014, , .		0
62	Weighted Sum Rate Maximization for Multiuser Multirelay MIMO Systems. IEEE Transactions on Vehicular Technology, 2013, 62, 885-889.	6.3	17
63	Adaptive beamforming designs for MIMO AF relaying systems with direct link. , 2013, , .		2
64	Weighted Sum Rate Maximization for Multi-User Multi-Relay MIMO Systems with Direct Links. , 2013, , .		0
65	Optimal power allocation for energy efficiency maximization in distributed antenna systems. , 2013, , .		23
66	Closed-form designs for source-relay joint precoder in MIMO AF relaying systems with decision feedback receiver. , 2013, , .		3
67	Pairwise MSE Balancing Transceiver Designs for Multipoint-to-Multipoint MIMO AF Relay Systems. , 2013, , .		0
68	Sum MSE minimization for multipoint-to-multipoint MIMO AF relay systems. , 2013, , .		0
69	Diversity-multiplexing tradeoff analysis for MMSE-based cooperative MIMO relaying systems. , 2012, , .		4
70	Diversity Analysis of Minimum Distance Based Relay Selection Schemes for Two-Way Relaying Systems with Physical Network Coding. , 2012, , .		2
71	MMSE-Based MIMO Cooperative Relaying Systems: Closed-Form Designs and Outage Behavior. IEEE Journal on Selected Areas in Communications, 2012, 30, 1390-1401.	14.0	50
72	Power Allocation Algorithms for ZF-THP Sum Rate Optimization in Multi-User Multi-Antenna Systems. , 2012, , .		0

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73	Power Allocation Algorithms for ZF-THP Sum Rate Optimization in Multi-user Multi-antenna Systems. The Journal of Korean Institute of Communications and Information Sciences, 2012, 37A, 753-761.	0.1	0
74	Closed-Form Linear Transceiver Designs for MIMO AF Relaying Systems with Direct Link. , 2011, , .		2
75	Diversity Analysis of Coded Beamforming in MIMO-OFDM Amplify-and-Forward Relaying Systems. IEEE Transactions on Wireless Communications, 2011, 10, 2445-2450.	9.2	18
76	Performance Analysis of MMSE-Based Amplify and Forward Spatial Multiplexing MIMO Relaying Systems. IEEE Transactions on Communications, 2011, 59, 3452-3462.	7.8	18
77	Maximum achievable diversity of coded MIMO-OFDM amplify-and-forward relaying systems. , 2010, , .		0
78	MMSE Based Transceiver Designs in Closed-Loop Non-Regenerative MIMO Relaying Systems. IEEE Transactions on Wireless Communications, 2010, 9, 2310-2319.	9.2	92