

Changick Song

List of Publications by Year in descending order

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78
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78
times ranked

1019
citing authors

#	ARTICLE	IF	CITATIONS
1	Outage Probability Analysis and Power Splitter Designs for SWIPT Relaying Systems With Direct Link. IEEE Communications Letters, 2017, 21, 648-651.	2.5	99
2	MMSE Based Transceiver Designs in Closed-Loop Non-Regenerative MIMO Relaying Systems. IEEE Transactions on Wireless Communications, 2010, 9, 2310-2319.	6.1	92
3	Optimal Power Allocation Scheme for Energy Efficiency Maximization in Distributed Antenna Systems. IEEE Transactions on Communications, 2015, 63, 431-440.	4.9	69
4	Secrecy Performance Optimization for Wireless Powered Communication Networks With an Energy Harvesting Jammer. IEEE Transactions on Communications, 2017, 65, 764-774.	4.9	69
5	MMSE-Based MIMO Cooperative Relaying Systems: Closed-Form Designs and Outage Behavior. IEEE Journal on Selected Areas in Communications, 2012, 30, 1390-1401.	9.7	50
6	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.	6.1	48
7	Relay-Assisted Proactive Eavesdropping With Cooperative Jamming and Spoofing. IEEE Transactions on Wireless Communications, 2018, 17, 6958-6971.	6.1	48
8	Proactive Eavesdropping With Full-Duplex Relay and Cooperative Jamming. IEEE Transactions on Wireless Communications, 2018, 17, 6707-6719.	6.1	45
9	Sum Throughput Maximization for Multi-User MIMO Cognitive Wireless Powered Communication Networks. IEEE Transactions on Wireless Communications, 2017, 16, 913-923.	6.1	43
10	Joint Design of Fronthaul and Access Links for C-RAN With Wireless Fronthauling. IEEE Signal Processing Letters, 2016, 23, 1657-1661.	2.1	40
11	A New Beamforming Design for MIMO AF Relaying Systems With Direct Link. IEEE Transactions on Communications, 2014, 62, 2286-2295.	4.9	30
12	Generalized Precoder Designs Based on Weighted MMSE Criterion for Energy Harvesting Constrained MIMO Channels. IEEE Transactions on Wireless Communications, 2016, , 1-1.	6.1	28
13	A Deep Learning Based Channel Estimation Scheme for IEEE 802.11p Systems. , 2019, , .		24
14	Optimal power allocation for energy efficiency maximization in distributed antenna systems. , 2013, , .		23
15	Inter-Cluster Design of Wireless Fronthaul and Access Links for the Downlink of C-RAN. IEEE Wireless Communications Letters, 2017, 6, 270-273.	3.2	22
16	Achievable Sum-Rate Analysis of Massive MIMO Full-Duplex Wireless Backhaul Links in Heterogeneous Cellular Networks. IEEE Access, 2018, 6, 23456-23469.	2.6	22
17	Beamforming and Resource Allocation for Multiuser Full-Duplex Wireless-Powered Communications in IoT Networks. IEEE Internet of Things Journal, 2020, 7, 11355-11370.	5.5	22
18	Joint Designs of Fronthaul Compression and Precoding for Full-Duplex Cloud Radio Access Networks. IEEE Wireless Communications Letters, 2016, 5, 632-635.	3.2	21

#	ARTICLE	IF	CITATIONS
19	Precoder Designs for MIMO Gaussian Multiple Access Wiretap Channels. IEEE Transactions on Vehicular Technology, 2017, 66, 8563-8568.	3.9	21
20	Diversity Analysis of Coded Beamforming in MIMO-OFDM Amplify-and-Forward Relaying Systems. IEEE Transactions on Wireless Communications, 2011, 10, 2445-2450.	6.1	18
21	Performance Analysis of MMSE-Based Amplify and Forward Spatial Multiplexing MIMO Relaying Systems. IEEE Transactions on Communications, 2011, 59, 3452-3462.	4.9	18
22	Weighted Sum Rate Maximization for Multiuser Multirelay MIMO Systems. IEEE Transactions on Vehicular Technology, 2013, 62, 885-889.	3.9	17
23	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.	3.9	17
24	Secrecy Outage Analysis in NOMA Power Line Communications. IEEE Communications Letters, 2021, 25, 1448-1452.	2.5	17
25	MIMO broadcasting for simultaneous wireless information and power transfer: Weighted MMSE approaches. , 2014, , .		16
26	Designs of MIMO Amplify-and-Forward Wireless Relaying Networks: Practical Challenges and Solutions Based on MSE Decomposition. IEEE Access, 2017, 5, 9223-9234.	2.6	15
27	Transceiver Designs for Multipoint-to-Multipoint MIMO Amplify-and-Forward Relaying Systems. IEEE Transactions on Wireless Communications, 2014, 13, 198-209.	6.1	14
28	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.	3.9	14
29	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.	6.1	14
30	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.	3.2	11
31	Secrecy Outage Minimization for Wireless Powered Communication Networks with an Energy Harvesting Jammer. , 2016, , .		10
32	Precoding Techniques for MIMO AF Relaying Systems With Decision Feedback Receiver. IEEE Transactions on Wireless Communications, 2015, 14, 446-455.	6.1	9
33	On the Diversity of Linear Transceivers in MIMO AF Relaying Systems. IEEE Transactions on Information Theory, 2016, 62, 272-289.	1.5	9
34	A New RF Beam Training Method and Asymptotic Performance Analysis for Multi-User Millimeter Wave Systems. IEEE Access, 2018, 6, 48125-48135.	2.6	9
35	Hybrid Analog"Digital Filter Designs for mmWave Multipair Two-Way Relaying Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 7841-7845.	3.9	9
36	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.	6.1	9

#	ARTICLE	IF	CITATIONS
37	Optimal Precoder Designs for Sum-Utility Maximization in SWIPT-Enabled Multi-User MIMO Cognitive Radio Networks. IEEE Systems Journal, 2019, 13, 2332-2343.	2.9	9
38	MMSE-Based Filter Designs for Cognitive Multiuser Two-Way Relay Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 1638-1643.	3.9	8
39	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.	3.9	8
40	Sum Rate and Fairness Optimization for Intelligent Reflecting Surface Aided Multiuser Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 13436-13440.	3.9	8
41	Shaping-Power-Constrained Transceiver Designs for MIMO AF Relaying Systems With Direct Link. IEEE Transactions on Wireless Communications, 2015, 14, 294-304.	6.1	7
42	Diversity of Coded Beamforming in MIMO-OFDM AF Relaying Systems With Direct Link. IEEE Transactions on Vehicular Technology, 2015, 64, 3817-3822.	3.9	7
43	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.	3.9	7
44	Diversity Analysis of Coded Spatial Multiplexing MIMO AF Relaying Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 3435-3439.	3.9	6
45	Hybrid Beamforming With Variable RF Attenuator for Multi-User mmWave Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 9131-9134.	3.9	6
46	Robust beamforming designs for nonregenerative multipair two-way relaying systems. IEEE Transactions on Vehicular Technology, 2016, 65, 7802-7808.	3.9	5
47	Transmit Probability Designs for Wireless Peer Discovery With Energy Harvesting. IEEE Communications Letters, 2017, 21, 644-647.	2.5	5
48	Virtual Subcarrier Aided Channel Estimation Schemes for Tracking Rapid Time Variant Channels in IEEE 802.11p Systems. , 2020, , .		5
49	Diversity-multiplexing tradeoff analysis for MMSE-based cooperative MIMO relaying systems. , 2012, , .		4
50	MMSE based two-stage beamforming for large-scale multi-user MISO systems. , 2016, , .		4
51	Compressed cooperative reception for the uplink of C-RAN with wireless fronthaul. , 2017, , .		4
52	Closed-form designs for source-relay joint precoder in MIMO AF relaying systems with decision feedback receiver. , 2013, , .		3
53	Sum Throughput Maximization for MIMO Underlay Cognitive Wireless Powered Communication Networks. , 2016, , .		3
54	A new RF beam training method for multi-user millimeter wave systems. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
55	Multiple Amplify-and-Forward Full-Duplex Relays for Legitimate Eavesdropping. , 2018, , .		3
56	Message-Passing-Based Joint User Association and Time Allocation for Wireless Powered Communication Networks. IEEE Transactions on Wireless Communications, 2022, 21, 34-47.	6.1	3
57	Closed-Form Linear Transceiver Designs for MIMO AF Relaying Systems with Direct Link. , 2011, , .		2
58	Diversity Analysis of Minimum Distance Based Relay Selection Schemes for Two-Way Relaying Systems with Physical Network Coding. , 2012, , .		2
59	Adaptive beamforming designs for MIMO AF relaying systems with direct link. , 2013, , .		2
60	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.	2.6	2
61	Demo: Performance Evaluation of IEEE802.11p Channel Estimation Schemes in Vehicle-to-Vehicle Environments Based on SDR Testbed. , 2019, , .		2
62	Reduced complexity MMSE beamforming for two-way AF relaying systems with multiple antennas. , 2016, , .		1
63	Transceiver Designs for MIMO Relaying Systems with Imperfect Channel State Information. Mobile Information Systems, 2018, 2018, 1-12.	0.4	1
64	Real-Time Machine Learning Methods for Two-Way End-to-End Wireless Communication Systems. IEEE Internet of Things Journal, 2022, 9, 22983-22992.	5.5	1
65	Maximum achievable diversity of coded MIMO-OFDM amplify-and-forward relaying systems. , 2010, , .		0
66	Power Allocation Algorithms for ZF-THP Sum Rate Optimization in Multi-User Multi-Antenna Systems. , 2012, , .		0
67	Weighted Sum Rate Maximization for Multi-User Multi-Relay MIMO Systems with Direct Links. , 2013, , .		0
68	Pairwise MSE Balancing Transceiver Designs for Multipoint-to-Multipoint MIMO AF Relay Systems. , 2013, , .		0
69	Sum MSE minimization for multipoint-to-multipoint MIMO AF relay systems. , 2013, , .		0
70	Achievable diversity-rate tradeoff of MIMO AF relaying systems with MMSE transceivers. , 2014, , .		0
71	Peak power constrained closed-form transceiver designs for MIMO AF relaying systems with direct link. , 2014, , .		0
72	Fronthaul-aware superposition coding for noncoherent transmission in C-RAN downlink. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 661-667.	1.6	0

#	ARTICLE	IF	CITATIONS
73	Time Allocation Methods for Secure Wireless Powered Communication Networks. , 2018, , .		0
74	Poster: Performance Enhancement of State Feedback Decision Channel Estimation Scheme for IEEE802.11p Systems. , 2019, , .		0
75	Full-Duplex Spoofing Relays for Wireless Surveillance With Inter-Relay Interference Suppression. , 2020, , .		0
76	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.	0.0	0
77	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.	0.1	0
78	Regularized artificial fast fading designs for secure transmission in multi-user MIMO wiretap channels. ICT Express, 2022, 8, 569-574.	3.3	0