Guanghua Yang

List of Publications by Year
in descending order

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78	942	471509 17	501196 28
papers	citations	h-index	g-index

78	78	78	933
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two-Stage Cooperative Multicast Transmission with Optimized Power Consumption and Guaranteed Coverage. IEEE Journal on Selected Areas in Communications, 2014, 32, 274-284.	14.0	92
2	Spectrum sharing through distributed coordination in dynamic spectrum access networks. Wireless Communications and Mobile Computing, 2007, 7, 1061-1075.	1.2	64
3	Blind Symbol Synchronization Based on Cyclic Prefix for OFDM Systems. IEEE Transactions on Vehicular Technology, 2009, 58, 1746-1751.	6.3	54
4	Power Scaling of Full-Duplex Two-Way Massive MIMO Relay Systems With Correlated Antennas and MRC/MRT Processing. IEEE Transactions on Wireless Communications, 2017, 16, 4738-4753.	9.2	46
5	Cooperative HARQ-Assisted NOMA Scheme in Large-Scale D2D Networks. IEEE Transactions on Communications, 2018, 66, 4286-4302.	7.8	45
6	On the Sum-Rate of RIS-Assisted MIMO Multiple-Access Channels Over Spatially Correlated Rician Fading. IEEE Transactions on Communications, 2021, 69, 8228-8241.	7.8	34
7	Zero-Forcing-Based Downlink Virtual MIMOâ€“NOMA Communications in IoT Networks. IEEE Internet of Things Journal, 2020, 7, 2716-2737.	8.7	33
8	Optimal Beamforming and Time Allocation for Partially Wireless Powered Sensor Networks With Downlink SWIPT. IEEE Transactions on Signal Processing, 2019, 67, 3197-3212.	5.3	32
9	Asymptotic Outage Analysis of HARQ-IR Over Time-Correlated Nakagami- m Fading Channels. IEEE Transactions on Wireless Communications, 2017, 16, 6119-6134.	9.2	30
10	Achievable Diversity Order of HARQ-Aided Downlink NOMA Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 471-487.	6.3	30
11	Non-intrusive Load Monitoring based on Convolutional Neural Network with Differential Input. Procedia CIRP, 2019, 83, 670-674.	1.9	26
12	Impact of Antenna Correlation on Full-Duplex Two-Way Massive MIMO Relaying Systems. IEEE Transactions on Wireless Communications, 2018, 17, 3572-3587.	9.2	25
13	Outage Performance of Underlay CR-NOMA Networks with Detect-and-Forward Relaying. , 2018, , .		24
14	Air-to-Air Communications Beyond 5G: A Novel 3D CoMP Transmission Scheme. IEEE Transactions on Wireless Communications, 2020, 19, 7324-7338.	9.2	23
15	Energy Efficient Full-Duplex UAV Relaying Networks Under Load-Carry-and-Delivery Scheme. IEEE Access, 2020, 8, 74349-74358.	4.2	22
16	Outage Analysis of Reconfigurable Intelligent Surface Aided MIMO Communications With Statistical CSI. IEEE Transactions on Wireless Communications, 2022, 21, 823-839.	9.2	20
17	Interpretable Temporal Attention Network for COVID-19 forecasting. Applied Soft Computing Journal, 2022, 120, 108691.	7.2	20
18	Hybrid Cargo-Level Tracking System for Logistics. , 2010, , .		18

#	Article	IF	Citations
19	Achievable Rate of the Multiuser Two-Way Full-Duplex Relay System. IEEE Transactions on Vehicular Technology, 2018, 67, 4650-4654.	6.3	18
20	Implementation and application of a multi-radio wireless sensor networks testbed. IET Wireless Sensor Systems, 2011, 1, 191-199.	1.7	16
21	Robust Localization for Mixed LOS/NLOS Environments With Anchor Uncertainties. IEEE Transactions on Communications, 2020, 68, 4507-4521.	7.8	16
22	Hybrid Channel Estimation for UPA-Assisted Millimeter-Wave Massive MIMO IoT Systems. IEEE Internet of Things Journal, 2022, 9, 2829-2842.	8.7	16
23	Adaptive Channel Selection Through Collaborative Sensing. , 2006, , .		14
24	Energy Management System and Pervasive Service-Oriented Networks. , 2010, , .		14
25	Low-Complexity Downlink Channel Estimation for Millimeter-Wave FDD Massive MIMO Systems. IEEE Wireless Communications Letters, 2019, 8, 1103-1107.	5.0	13
26	Secure Localization and Velocity Estimation in Mobile IoT Networks With Malicious Attacks. IEEE Internet of Things Journal, 2021, 8, 6878-6892.	8.7	13
27	Asymptotic Outage Analysis of Spatially Correlated Rayleigh MIMO Channels. IEEE Transactions on Broadcasting, 2021, 67, 263-278.	3.2	12
28	Joint Transceiver Optimization for IRS-Aided MIMO Communications. IEEE Transactions on Communications, 2022, 70, 3467-3482.	7.8	12
29	A Novel AWSF Algorithm for DOA Estimation in Virtual MIMO Systems. IEEE Journal on Selected Areas in Communications, 2013, 31, 1994-2003.	14.0	11
30	Wireless Information and Power Transfer in Full-Duplex Two-Way Massive MIMO AF Relay Systems. , 2017, , .		11
31	Energy-Efficient Optimization for HARQ Schemes Over Time-Correlated Fading Channels. IEEE Transactions on Vehicular Technology, 2018, 67, 4939-4953.	6.3	11
32	Rate Maximization of Wireless-Powered Cognitive Massive MIMO Systems. IEEE Internet of Things Journal, 2021, 8, 5632-5644.	8.7	10
33	Performance Analysis of MIMO-HARQ Assisted V2V Communications With Keyhole Effect. IEEE Transactions on Communications, 2022, 70, 3034-3046.	7.8	9
34	Performance Analysis of MIMO-NOMA Systems with Randomly Deployed Users. , 2018, , .		8
35	Effective Capacity for Renewal Service Processes With Applications to HARQ Systems. IEEE Transactions on Communications, 2019, 67, 6556-6571.	7.8	7
36	High-Accuracy CSI Feedback With Super-Resolution Network for Massive MIMO Systems. IEEE Wireless Communications Letters, 2022, 11, 141-145.	5.0	7

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37	Block Error Rate Analysis of Short-Packet Mobile-to-Mobile Communications Over Correlated Cascaded Fading Channels. IEEE Transactions on Vehicular Technology, 2022, 71, 4087-4101.	6.3	7
38	Fairness and high-throughput scheduling for multihop wireless ad hoc networks. Ad Hoc Networks, 2016, 52, 195-206.	5.5	5
39	Outage Performance Analysis of HARQ-Aided Multi-RIS Systems. , 2021, , .		5
40	Capability and Responsibility Balancing in Online Social Search. , 2010, , .		4
41	Transmission Capacity of Clustered Ad Hoc Networks With Virtual Antenna Array. IEEE Transactions on Vehicular Technology, 2016, 65, 6926-6939.	6.3	4
42	Design of UWB Chipless RFID Tag using Microstrip and Slot Cross-shaped Resonators. , 2018, , .		4
43	Generalized Energy Detection Under Generalized Noise Channels. IEEE Wireless Communications Letters, 2020, 9, 2020-2024.	5.0	4
44	Non-Linear Age of Information: An Energy Efficient Receiver-Centric Approach. IEEE Wireless Communications Letters, 2022, 11, 655-659.	5.0	4
45	Correlation Based Rate Adaptation via Insights from Incomplete Observations in 802.11 Networks. , 2007, , .		3
46	Adaptive Video Transmission for OFDMA Systems. , 2007, , .		3
47	A multi-radio wireless P2P network testbed. , 2009, , .		3
48	Detecting dynamic communities in opportunistic networks. , 2009, , .		3
49	A heterogeneous peer-to-peer network testbed. , 2009, , .		3
50	Performance Analysis for Heterogeneous Cellular Systems with Range Expansion. , 2013, , .		3
51	Goodput Maximization of HARQ-IR Over Arbitrarily Correlated Rician Fading Channels. IEEE Access, 2018, 6, 28903-28911.	4.2	3
52	Robust Localization With Distance-Dependent Noise and Sensor Location Uncertainty. IEEE Wireless Communications Letters, 2021, 10, 1876-1880.	5.0	3
53	Outage Probability Analysis of HARQ-Aided Terahertz Communications. , 2021, , .		3
54	Analysis of hybrid ARQ in interference dominant mobile ad hoc networks. , 2013, , .		2

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55	A general analytical approach for outage analysis of HARQ-IR over correlated fading channels. , 2017, , .		2
56	On the Performance of Variable-Rate HARQ-IR over Beckmann Fading Channels. , 2018, , .		2
57	Leveraging on the Impact of Imperfect Channel Estimation for MIMO Relaying Systems. IEEE Access, 2019, 7, 127809-127815.	4.2	2
58	Rating-aware Pre-cache and Incentive Mechanism Design in Data Offloading. , 2020, , .		2
59	Moment-Based Spectrum Sensing Under Generalized Noise Channels. IEEE Communications Letters, 2021, 25, 89-93.	4.1	2
60	Semi-Blind Multiuser Detection Under the Presence of Reconfigurable Intelligent Surfaces. IEEE Wireless Communications Letters, 2022, 11, 106-110.	5.0	2
61	Outage Performance of Cross-Packet HARQ. IEEE Wireless Communications Letters, 2022, 11, 1423-1427.	5.0	2
62	Outage analysis of opportunistic amplify-and-forward cooperative cellular systems with random relays. , 2013, , .		1
63	Distributed Frequency Offsets Estimation. , 2018, , .		1
64	Product-oriented Product Service System for Large-scale Vision Inspection. Procedia CIRP, 2019, 83, 675-679.	1.9	1
65	Effective Capacity Analysis for VR-HARQ Systems. , 2019, , .		1
66	Diversity Analysis of HARQ-CC-Aided NOMA. , 2019, , .		1
67	Extreme Age of Information for Wireless-Powered Communication Systems. IEEE Wireless Communications Letters, 2022, 11, 826-830.	5.0	1
68	Outage analysis of opportunistic cooperative ad hoc networks with randomly located nodes. , 2012, , .		0
69	Outage Analysis of Opportunistic Cooperative Ad Hoc Networks with Randomly Located Nodes. Journal of Computer Science and Technology, 2013, 28, 403-411.	1.5	0
70	Efficient Mapping of Hybrid Virtual Networks across Multiple Domains. , 2015, , .		0
71	A Novel Cross-shaped Bandpass Filter with Reconfigurable Notch Band. , 2018, , .		0
72	Transmit-Receive Beampattern Optimization for Polarization-Subarray-Based Frequency Diverse Array Radar. , 2018, , .		0

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73	Air-Ground Coordination Communication by Multi-Agent Deep Reinforcement Learning. , 2021, , .		0
74	Outage Performance Analysis of Full-Correlated Rayleigh MIMO Channels. , 2020, , .		0
75	Energy-efficient Two-Way Full-duplex UAV Relaying Networks With Imperfect Channel State Information*. , 2020, , .		0
76	Online Optimal Algorithm Design for Mobile Crowdsensing with Dual-role Users. , 2021, , .		0
77	A Spatial-temporal Model for Tourism Demand Forecasting. , 2021, , .		0
78	Nondeterministic-Mobility-Based Incentive Mechanism for Efficient Data Collection in Crowdsensing. IEEE Internet of Things Journal, 2022, 9, 23626-23638.	8.7	0