

# Guanghua Yang

## List of Publications by Year in descending order

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78  
papers

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citations

471509

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501196

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all docs

78  
docs citations

78  
times ranked

933  
citing authors

#	ARTICLE	IF	CITATIONS
1	Outage Analysis of Reconfigurable Intelligent Surface Aided MIMO Communications With Statistical CSI. IEEE Transactions on Wireless Communications, 2022, 21, 823-839.	9.2	20
2	Hybrid Channel Estimation for UPA-Assisted Millimeter-Wave Massive MIMO IoT Systems. IEEE Internet of Things Journal, 2022, 9, 2829-2842.	8.7	16
3	High-Accuracy CSI Feedback With Super-Resolution Network for Massive MIMO Systems. IEEE Wireless Communications Letters, 2022, 11, 141-145.	5.0	7
4	Semi-Blind Multiuser Detection Under the Presence of Reconfigurable Intelligent Surfaces. IEEE Wireless Communications Letters, 2022, 11, 106-110.	5.0	2
5	Non-Linear Age of Information: An Energy Efficient Receiver-Centric Approach. IEEE Wireless Communications Letters, 2022, 11, 655-659.	5.0	4
6	Extreme Age of Information for Wireless-Powered Communication Systems. IEEE Wireless Communications Letters, 2022, 11, 826-830.	5.0	1
7	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
8	Performance Analysis of MIMO-HARQ Assisted V2V Communications With Keyhole Effect. IEEE Transactions on Communications, 2022, 70, 3034-3046.	7.8	9
9	Joint Transceiver Optimization for IRS-Aided MIMO Communications. IEEE Transactions on Communications, 2022, 70, 3467-3482.	7.8	12
10	Interpretable Temporal Attention Network for COVID-19 forecasting. Applied Soft Computing Journal, 2022, 120, 108691.	7.2	20
11	Outage Performance of Cross-Packet HARQ. IEEE Wireless Communications Letters, 2022, 11, 1423-1427.	5.0	2
12	Nondeterministic-Mobility-Based Incentive Mechanism for Efficient Data Collection in Crowdsensing. IEEE Internet of Things Journal, 2022, 9, 23626-23638.	8.7	0
13	Secure Localization and Velocity Estimation in Mobile IoT Networks With Malicious Attacks. IEEE Internet of Things Journal, 2021, 8, 6878-6892.	8.7	13
14	Asymptotic Outage Analysis of Spatially Correlated Rayleigh MIMO Channels. IEEE Transactions on Broadcasting, 2021, 67, 263-278.	3.2	12
15	Rate Maximization of Wireless-Powered Cognitive Massive MIMO Systems. IEEE Internet of Things Journal, 2021, 8, 5632-5644.	8.7	10
16	Moment-Based Spectrum Sensing Under Generalized Noise Channels. IEEE Communications Letters, 2021, 25, 89-93.	4.1	2
17	Outage Performance Analysis of HARQ-Aided Multi-RIS Systems. , 2021, , .		5
18	Air-Ground Coordination Communication by Multi-Agent Deep Reinforcement Learning. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Robust Localization With Distance-Dependent Noise and Sensor Location Uncertainty. IEEE Wireless Communications Letters, 2021, 10, 1876-1880.	5.0	3
20	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
21	Online Optimal Algorithm Design for Mobile Crowdsensing with Dual-role Users. , 2021, , .		0
22	Outage Probability Analysis of HARQ-Aided Terahertz Communications. , 2021, , .		3
23	A Spatial-temporal Model for Tourism Demand Forecasting. , 2021, , .		0
24	Achievable Diversity Order of HARQ-Aided Downlink NOMA Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 471-487.	6.3	30
25	Zero-Forcing-Based Downlink Virtual MIMO "NOMA Communications in IoT Networks. IEEE Internet of Things Journal, 2020, 7, 2716-2737.	8.7	33
26	Generalized Energy Detection Under Generalized Noise Channels. IEEE Wireless Communications Letters, 2020, 9, 2020-2024.	5.0	4
27	Rating-aware Pre-cache and Incentive Mechanism Design in Data Offloading. , 2020, , .		2
28	Air-to-Air Communications Beyond 5G: A Novel 3D CoMP Transmission Scheme. IEEE Transactions on Wireless Communications, 2020, 19, 7324-7338.	9.2	23
29	Energy Efficient Full-Duplex UAV Relaying Networks Under Load-Carry-and-Delivery Scheme. IEEE Access, 2020, 8, 74349-74358.	4.2	22
30	Robust Localization for Mixed LOS/NLOS Environments With Anchor Uncertainties. IEEE Transactions on Communications, 2020, 68, 4507-4521.	7.8	16
31	Outage Performance Analysis of Full-Correlated Rayleigh MIMO Channels. , 2020, , .		0
32	Energy-efficient Two-Way Full-duplex UAV Relaying Networks With Imperfect Channel State Information*. , 2020, , .		0
33	Leveraging on the Impact of Imperfect Channel Estimation for MIMO Relaying Systems. IEEE Access, 2019, 7, 127809-127815.	4.2	2
34	Product-oriented Product Service System for Large-scale Vision Inspection. Procedia CIRP, 2019, 83, 675-679.	1.9	1
35	Non-intrusive Load Monitoring based on Convolutional Neural Network with Differential Input. Procedia CIRP, 2019, 83, 670-674.	1.9	26
36	Effective Capacity Analysis for VR-HARQ Systems. , 2019, , .		1

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37	Effective Capacity for Renewal Service Processes With Applications to HARQ Systems. IEEE Transactions on Communications, 2019, 67, 6556-6571.	7.8	7
38	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
39	Low-Complexity Downlink Channel Estimation for Millimeter-Wave FDD Massive MIMO Systems. IEEE Wireless Communications Letters, 2019, 8, 1103-1107.	5.0	13
40	Diversity Analysis of HARQ-CC-Aided NOMA. , 2019, , .		1
41	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
42	Achievable Rate of the Multiuser Two-Way Full-Duplex Relay System. IEEE Transactions on Vehicular Technology, 2018, 67, 4650-4654.	6.3	18
43	Cooperative HARQ-Assisted NOMA Scheme in Large-Scale D2D Networks. IEEE Transactions on Communications, 2018, 66, 4286-4302.	7.8	45
44	Performance Analysis of MIMO-NOMA Systems with Randomly Deployed Users. , 2018, , .		8
45	Outage Performance of Underlay CR-NOMA Networks with Detect-and-Forward Relaying. , 2018, , .		24
46	A Novel Cross-shaped Bandpass Filter with Reconfigurable Notch Band. , 2018, , .		0
47	Design of UWB Chipless RFID Tag using Microstrip and Slot Cross-shaped Resonators. , 2018, , .		4
48	On the Performance of Variable-Rate HARQ-IR over Beckmann Fading Channels. , 2018, , .		2
49	Distributed Frequency Offsets Estimation. , 2018, , .		1
50	Goodput Maximization of HARQ-IR Over Arbitrarily Correlated Rician Fading Channels. IEEE Access, 2018, 6, 28903-28911.	4.2	3
51	Transmit-Receive Beampattern Optimization for Polarization-Subarray-Based Frequency Diverse Array Radar. , 2018, , .		0
52	Energy-Efficient Optimization for HARQ Schemes Over Time-Correlated Fading Channels. IEEE Transactions on Vehicular Technology, 2018, 67, 4939-4953.	6.3	11
53	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
54	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

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55	Wireless Information and Power Transfer in Full-Duplex Two-Way Massive MIMO AF Relay Systems. , 2017, , .		11
56	A general analytical approach for outage analysis of HARQ-IR over correlated fading channels. , 2017, , .		2
57	Fairness and high-throughput scheduling for multihop wireless ad hoc networks. Ad Hoc Networks, 2016, 52, 195-206.	5.5	5
58	Transmission Capacity of Clustered Ad Hoc Networks With Virtual Antenna Array. IEEE Transactions on Vehicular Technology, 2016, 65, 6926-6939.	6.3	4
59	Efficient Mapping of Hybrid Virtual Networks across Multiple Domains. , 2015, , .		0
60	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
61	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
62	Analysis of hybrid ARQ in interference dominant mobile ad hoc networks. , 2013, , .		2
63	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
64	Outage analysis of opportunistic amplify-and-forward cooperative cellular systems with random relays. , 2013, , .		1
65	Performance Analysis for Heterogeneous Cellular Systems with Range Expansion. , 2013, , .		3
66	Outage analysis of opportunistic cooperative ad hoc networks with randomly located nodes. , 2012, , .		0
67	Implementation and application of a multi-radio wireless sensor networks testbed. IET Wireless Sensor Systems, 2011, 1, 191-199.	1.7	16
68	Hybrid Cargo-Level Tracking System for Logistics. , 2010, , .		18
69	Capability and Responsibility Balancing in Online Social Search. , 2010, , .		4
70	Energy Management System and Pervasive Service-Oriented Networks. , 2010, , .		14
71	A multi-radio wireless P2P network testbed. , 2009, , .		3
72	Blind Symbol Synchronization Based on Cyclic Prefix for OFDM Systems. IEEE Transactions on Vehicular Technology, 2009, 58, 1746-1751.	6.3	54

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73	Detecting dynamic communities in opportunistic networks. , 2009, , .		3
74	A heterogeneous peer-to-peer network testbed. , 2009, , .		3
75	Correlation Based Rate Adaptation via Insights from Incomplete Observations in 802.11 Networks. , 2007, , .		3
76	Adaptive Video Transmission for OFDMA Systems. , 2007, , .		3
77	Spectrum sharing through distributed coordination in dynamic spectrum access networks. <i>Wireless Communications and Mobile Computing</i> , 2007, 7, 1061-1075.	1.2	64
78	Adaptive Channel Selection Through Collaborative Sensing. , 2006, , .		14