Guodong Zhao

List of Publications by Year
in descending order

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90	1,598	706676 14	536525 29
papers	citations	h-index	g-index

97	97	97	1660
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Calculating Terahertz Channel Capacity Under Beam Misalignment and User Mobility. IEEE Wireless Communications Letters, 2022, 11, 348-351.	3.2	11
2	Fluidâ€Driven Soft CoboSkin for Safer Humanâ€“Robot Collaboration: Fabrication and Adaptation. Advanced Intelligent Systems, 2021, 3, 2000038.	3.3	10
3	Effective age of information in real-time wireless feedback control systems. Science China Information Sciences, 2021, 64, 1.	2.7	5
4	Robot Behavior-Based User Authentication for Motion-Controlled Robotic Systems. , 2021, , .		0
5	How to Quantify Packet Importance for Real-Time Control: A Feature-Oriented Perspective. , 2021, , .		0
6	Autonomous D2D Transmission Scheme in URLLC for Real-Time Wireless Control Systems. IEEE Transactions on Communications, 2021, 69, 5546-5558.	4.9	16
7	Towards Verifying the User of Motion-controlled Robotic Arm Systems via the Robot Behavior. IEEE Internet of Things Journal, 2021, , 1-1.	5.5	5
8	5G-Enabled Education 4.0: Enabling Technologies, Challenges, and Solutions. IEEE Access, 2021, 9, 166962-166969.	2.6	17
9	Age of Control Process for Real-Time Wireless Control. , 2021, , .		1
10	Dynamic Communication QoS Design for Real-Time Wireless Control Systems. IEEE Sensors Journal, 2020, 20, 3005-3015.	2.4	20
11	Energy-Efficient Power Allocation in URLLC Enabled Wireless Control for Factory Automation Applications. , 2020, , .		2
12	Age of Information for Actuation Update in Real-Time Wireless Control Systems. , 2020, , .		5
13	Packet Management for Optimizing Control Performance in Real-Time Feedback Control Systems. , 2020, , .		1
14	Beyond Fresh Update: Packet Management for Real-Time Feedback Control. , 2020, , .		5
15	Performance Analysis of Early-HARQ for Finite Block-Length Packet Transmission. , 2019, , .		6
16	Buffer-Aided Relay Selection for Packetized Predictive Control. , 2019, , .		1
17	Packet-Drop Design in URLLC for Real-Time Wireless Control Systems. IEEE Access, 2019, 7, 183081-183090.	2.6	11
18	Optimizing Resource Allocation in URLLC for Real-Time Wireless Control Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 8916-8927.	3.9	79

#	Article	IF	Citations
19	Cross-Layer Design for Mission-Critical IoT in Mobile Edge Computing Systems. IEEE Internet of Things Journal, 2019, 6, 9360-9374.	5.5	41
20	Optimal Power Allocation for Relay-Assisted Wireless Packetized Predictive Control. , 2019, , .		2
21	Optimal Resource Allocation in URLLC for Real-Time Wireless Control Systems. , 2019, , .		1
22	D2D Transmission Scheme in URLLC Enabled Real-Time Wireless Control Systems for Tactile Internet. , 2019, , .		4
23	URLLC Packet Management for Packetized Predictive Control. , 2019, , .		2
24	Communication and Control Co-Design Using MIMO Wireless Network. , 2019, , .		2
25	Toward Real-Time Control in Future Wireless Networks: Communication-Control Co-Design. IEEE Communications Magazine, 2019, 57, 138-144.	4.9	60
26	Segment-Based Scheduling Algorithm in Cache-Enabled Device-to-Device Wireless Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 191-201.	0.2	0
27	A Survey of Caching Techniques in Cellular Networks: Research Issues and Challenges in Content Placement and Delivery Strategies. IEEE Communications Surveys and Tutorials, 2018, 20, 1710-1732.	24.8	205
28	Narrowband Internet of Things (NB-IoT) and LTE Systems Co-Existence Analysis. , 2018, , .		8
29	Power Allocation and Mode Selection with Superposition Coding for Device-to-Device Networks. , 2018, , .		0
30	Dynamic Wireless QoS Analysis for Real-Time Control in URLLC. , 2018, , .		9
31	Localizing Noncooperative Receiver Through Full-Duplex Amplify-and-Forward Relay. IEEE Access, 2018, 6, 65824-65836.	2.6	2
32	Max-SIR Scheduling Algorithm: An Interference Management Algorithm in Cache-Enabled D2D Networks. , 2018, , .		2
33	CTLinQ: Content-Centric Link Scheduling in Cache-Enabled Device-to-Device Wireless Networks. , 2018, , .		3
34	Delay Analysis and Computing Offloading of URLLC in Mobile Edge Computing Systems. , 2018, , .		9
35	Dynamic QoS Allocation for Real-Time Wireless Control in Tactile Internet. , 2018, , .		5
36	Minimizing Wireless Resource Consumption for Packetized Predictive Control in Real-Time Cyber Physical Systems. , 2018, , .		16

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37	Optimal caching strategy in device-to-device wireless networks. , 2018, , .		7
38	Proactive Cross-Channel Gain Estimation for Spectrum Sharing in Cognitive Radio Networks. , 2017, , .		1
39	Primary Channel Gain Estimation for Spectrum Sharing in Cognitive Radio Networks. , 2017, , .		0
40	Primary Channel Gain Estimation for Spectrum Sharing in Cognitive Radio Networks. IEEE Transactions on Communications, 2017, , 1-1.	4.9	12
41	Advanced Sensing Techniques for Cognitive Radio. Springer Briefs in Electrical and Computer Engineering, 2017, , .	0.3	5
42	Detecting PHY-Layer Spoofing Attack in Wireless Networks. , 2017, , .		2
43	Delay-sensitive area spectral efficiency optimization for uplink transmission in ultra-reliable and low-latency communications. , 2017, , .		4
44	Energy-Efficient Wireless Caching in Device-to-Device Cooperative Networks. , 2017, , .		11
45	Region-Based Spectrum Sensing. Springer Briefs in Electrical and Computer Engineering, 2017, , 11-34.	0.3	0
46	Jamming-Based Probing for Spectrum Sensing. Springer Briefs in Electrical and Computer Engineering, 2017, , 35-49.	0.3	0
47	Relay-Based Probing for Spectrum Sensing. Springer Briefs in Electrical and Computer Engineering, 2017, , 51-74.	0.3	0
48	Interference-free probing for relay-assisted cross-channel gain estimation in two-tier networks. , 2016, , .		0
49	Estimating cross-channel gain without using backhaul link in two-tier heterogeneous networks. , 2016, , .		0
50	Autonomous relaying scheme for energy-efficient cooperative multicast communications. , 2016, , .		1
51	Positioning third-party receiver via TDOA estimation in frequency duplex division systems. , 2016, , .		4
52	Proactive Cross-Channel Gain Estimation for Spectrum Sharing in Cognitive Radio. IEEE Journal on Selected Areas in Communications, 2016, 34, 2776-2790.	9.7	18
53	Third-party receiver positioning in wireless sensor networks. , 2016, , .		3
54	Clustering in multi-hop radar sensor networks using fuzzy logic. , 2016, , .		0

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55	Positioning Primary Receiver for Underlay Spectrum Sharing in Cognitive Radio Networks. , 2016, , .		0
56	Non-cooperative cross-channel gain estimation using full-duplex amplify-and-forward relaying in cognitive radio networks. , 2016, , .		5
57	Autonomous Relaying Scheme With Minimum User Power Consumption in Cooperative Multicast Communications. IEEE Transactions on Wireless Communications, 2016, 15, 2509-2522.	6.1	10
58	Positioning Third-Party Receiver by Exploiting the Close-Loop Power Control in Wireless Networks. IEEE Wireless Communications Letters, 2016, 5, 268-271.	3.2	2
59	Relay-Assisted Cross-Channel Gain Estimation for Spectrum Sharing. IEEE Transactions on Communications, 2016, 64, 973-986.	4.9	14
60	Estimate the Primary-Link SNR Using Full-Duplex Relay for Underlay Spectrum Sharing. IEEE Signal Processing Letters, 2016, 23, 429-433.	2.1	5
61	Performance for MIMO-RSN with different power allocation methods. , 2015, , .		0
62	Segment-based random caching in device-to-device (D2D) caching networks. , 2015, , .		8
63	Positioning Receiver Using Full-Duplex Amplify-and-Forward Relay. , 2015, , .		8
64	Enhancing Small Cell Transmission Opportunity Through Passive Receiver Detection in Two-Tier Heterogeneous Networks. IEEE Transactions on Signal Processing, 2015, 63, 3461-3473.	3.2	10
65	Relay Selection and Power Control for Energy-Efficient Cooperative Multicast Communication. , 2015, , .		6
66	Detection performances in radar sensor networks using LEACH and HEED. , 2015, , .		1
67	Passive Primary Receiver Detection for Underlay Spectrum Sharing in Cognitive Radio. IEEE Signal Processing Letters, 2014, 21, 564-568.	2.1	11
68	Positioning Receiver Using Full-Duplex Amplify-and-Forward Relay. , 2014, , .		5
69	Interference-free proactive channel gain estimation in cognitive radio. , 2014, , .		0
70	Proactive channel gain estimation in asymmetric TDD primary systems. , 2013, , .		1
71	Residential demand response with power adjustable and unadjustable appliances in smart grid. , 2013, , .		2
72	Cross-channel gain estimation with amplify-and-forward relaying in cognitive radio. , 2013, , .		4

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73	Relay-Assisted Proactive Channel Gain Estimation in Cognitive Radio. , 2013, , .		1
74	Proactive channel gain estimation for coexistence between cognitive and primary users. , 2012, , .		7
75	Optical properties of black silicon prepared by wet etching. Journal of Materials Science: Materials in Electronics, 2012, 23, 1558-1561.	1.1	16
76	Benefits brought by cognitive radio for the next generation cellular networks: A perspective from industry. Physical Communication, 2012, 5, 2-9.	1.2	1
77	Fractional Frequency Donation for Cognitive Interference Management among Femtocells. , 2011, , .		1
78	Barrier layer effect on photoelectric properties of MSM photodetectors based on black silicon. , 2011, , .		0
79	Power and Channel Allocation for Cooperative Relay in Cognitive Radio Networks. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 151-159.	7.3	113
80	A DS-UWB Cognitive Radio System Based on Bridge Function Smart Codes. Communications in Computer and Information Science, 2011, , 41-46.	0.4	0
81	Fabrication of black silicon materials by wet etching and characterization. , 2010, , .		2
82	Communication-oriented cooperative spectrum sensing in cognitive radio. , 2010, , .		0
83	Cooperative spectrum sensing with realistic reporting channel. , 2010, , .		2
84	Channel allocation for cooperative relays in cognitive radio networks. , 2010, , .		3
85	Spatial Spectrum Holes in Cognitive Radio with Relay Transmission. , 2009, , .		0
86	Spatial spectrum holes for cognitive radio with relay-assisted directional transmission. IEEE Transactions on Wireless Communications, 2009, 8, 5270-5279.	6.1	50
87	Proactive detection of spectrum opportunities in primary systems with power control. IEEE Transactions on Wireless Communications, 2009, 8, 4815-4823.	6.1	41
88	Spatial Spectrum Holes for Cognitive Radio with Directional Transmission. , 2008, , .		20
89	Soft Combination and Detection for Cooperative Spectrum Sensing in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2008, 7, 4502-4507.	6.1	597
90	Probability-Based Transmit Power Control for Dynamic Spectrum Access. , 2008, , .		11