Yulin Hu

List of Publications by Year
in descending order

84	1,287	471509	434195
papers	citations	17	31
		h-index	g-index

85	85	85	1117
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Reinforcement Learning based Resource Allocation in Low Latency Edge Computing Networks. , 2018, , .		111
2	Blocklength-Limited Performance of Relaying under Quasi-Static Rayleigh Channels. IEEE Transactions on Wireless Communications, 2016, , 1-1.	9.2	98
3	Optimal 1D Trajectory Design for UAV-Enabled Multiuser Wireless Power Transfer. IEEE Transactions on Communications, 2019, 67, 5674-5688.	7.8	92
4	SWIPT-Enabled Relaying in IoT Networks Operating With Finite Blocklength Codes. IEEE Journal on Selected Areas in Communications, 2019, 37, 74-88.	14.0	90
5	On the Capacity of Relaying With Finite Blocklength. IEEE Transactions on Vehicular Technology, 2016, 65, 1790-1794.	6.3	73
6	Relaying-Enabled Ultra-Reliable Low-Latency Communications in 5G. IEEE Network, 2018, 32, 62-68.	6.9	67
7	Trajectory Design for UAV-Enabled Multiuser Wireless Power Transfer With Nonlinear Energy Harvesting. IEEE Transactions on Wireless Communications, 2021, 20, 1105-1121.	9.2	58
8	Optimal Power Allocation for QoS-Constrained Downlink Multi-User Networks in the Finite Blocklength Regime. IEEE Transactions on Wireless Communications, 2018, 17, 5827-5840.	9.2	49
9	Closed-Form Symbol Error Rate Expressions for Non-Orthogonal Multiple Access Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 6775-6789.	6.3	44
10	On the Performance Advantage of Relaying Under the Finite Blocklength Regime. IEEE Communications Letters, 2015, 19, 779-782.	4.1	36
11	Joint Design of UAV Trajectory and Directional Antenna Orientation in UAV-Enabled Wireless Power Transfer Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 3081-3096.	14.0	34
12	QoS-Constrained Energy Efficiency of Cooperative ARQ in Multiple DF Relay Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 848-859.	6.3	27
13	Finite Blocklength Performance of Cooperative Multi-Terminal Wireless Industrial Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 5778-5792.	6.3	24
14	Efficient transmission schemes for low-latency networks: NOMA vs. relaying. , 2017, , .		23
15	Optimal Scheduling of Reliability-Constrained Relaying System Under Outdated CSI in the Finite Blocklength Regime. IEEE Transactions on Vehicular Technology, 2018, 67, 6146-6155.	6.3	23
16	Massive MIMO Two-Way Relaying Systems With SWIPT in IoT Networks. IEEE Internet of Things Journal, 2021, 8, 15126-15139.	8.7	23
17	Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. IEEE Transactions on Vehicular Technology, 2020, 69, 3093-3104.	6.3	21
18	Optimal Designs for Relay-Assisted NOMA Networks With Hybrid SWIPT Scheme. IEEE Transactions on Communications, 2020, 68, 3588-3601.	7.8	21

#	Article	IF	Citations
19	Constructions of Type-II QC-LDPC Codes With Girth Eight from Sidon Sequence. IEEE Transactions on Communications, 2019, 67, 3865-3878.	7.8	19
20	Delay Minimization Offloading for Interdependent Tasks in Energy-Aware Cooperative MEC Networks. , 2019, , .		19
21	Sustainable Wireless Sensor Networks With UAV-Enabled Wireless Power Transfer. IEEE Transactions on Vehicular Technology, 2021, 70, 8050-8064.	6.3	19
22	Adaptive Relay Selection Strategies for Cooperative NOMA Networks With User and Relay Cooperation. IEEE Transactions on Vehicular Technology, 2020, 69, 11728-11742.	6.3	18
23	Genetic Algorithm based UAV Trajectory Design in Wireless Power Transfer Systems. , 2019, , .		17
24	Two-Timescale Resource Allocation for Cooperative D2D Communication: A Matching Game Approach. IEEE Transactions on Vehicular Technology, 2021, 70, 543-557.	6.3	17
25	Multi-Relay-Assisted Low-Latency High-Reliability Communications With Best Single Relay Selection. IEEE Transactions on Vehicular Technology, 2019, 68, 7630-7642.	6.3	15
26	On the outage probability and effective capacity of multiple decode-and-forward relay system. , 2012, , .		13
27	On the Convex Properties of Wireless Power Transfer With Nonlinear Energy Harvesting. IEEE Transactions on Vehicular Technology, 2020, 69, 5672-5676.	6.3	13
28	Optimal Blocklength Allocation Towards Reduced Age of Information in Wireless Sensor Networks. , 2019, , .		12
29	Reliability-Optimal Offloading in Low-Latency Edge Computing Networks: Analytical and Reinforcement Learning Based Designs. IEEE Transactions on Vehicular Technology, 2021, 70, 6058-6072.	6.3	12
30	Novel Optimal Trajectory Design in UAV-Assisted Networks: A Mechanical Equivalence-Based Strategy. IEEE Journal on Selected Areas in Communications, 2021, 39, 3524-3541.	14.0	11
31	Energy Minimization of Mobile Edge Computing Networks with Finite Retransmissions in the Finite Blocklength Regime. , 2019, , .		10
32	Reliability-Optimal Offloading in Multi-Server Edge Computing Networks with Transmissions Carried by Finite Blocklength Codes. , 2019, , .		8
33	Deep Reinforcement Learning and Optimization Based Green Mobile Edge Computing. , 2021, , .		8
34	Multi-Device Low-Latency IoT Networks With Blind Retransmissions in the Finite Blocklength Regime. IEEE Transactions on Vehicular Technology, 2021, 70, 12782-12795.	6.3	8
35	A Novel Multiple Relay Selection Strategy for LTE-Advanced Relay Systems. , 2011, , .		7
36	Delay-Constrained Communication in Edge Computing Networks. , 2018, , .		7

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37	Optimal Resource Allocation in Ground Wireless Networks Supporting Unmanned Aerial Vehicle Transmissions. IEEE Transactions on Vehicular Technology, 2020, 69, 8972-8984.	6.3	7
38	Crowd Flow Prediction for Social Internet-of-Things Systems Based on the Mobile Network Big Data. IEEE Transactions on Computational Social Systems, 2022, 9, 267-278.	4.4	7
39	Relation Between GCD Constraint and Full-Length Row-Multiplier QC-LDPC Codes With Girth Eight. IEEE Communications Letters, 2021, 25, 2820-2823.	4.1	7
40	Resource allocation for ultra-reliable low latency communications in sparse code multiple access networks. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	6
41	Type-II QC-LDPC Codes From Multiplicative Subgroup of Prime Field. IEEE Access, 2020, 8, 142459-142467.	4.2	6
42	Average Age-of-Information Minimization in EH-enabled Low-Latency IoT Networks. , 2021, , .		6
43	An Adaptive Matching Bridged Resource Allocation Over Correlated Energy Efficiency and AoI in CR-IoT System. IEEE Transactions on Green Communications and Networking, 2022, 6, 583-599.	5.5	5
44	Latency-Critical Downlink Multiple Access: A Hybrid Approach and Reliability Maximization. IEEE Transactions on Wireless Communications, 2022, 21, 9261-9275.	9.2	5
45	Convexity Analysis of Nonlinear Wireless Power Transfer With Multiple RF Sources. IEEE Transactions on Vehicular Technology, 2022, 71, 11311-11316.	6.3	5
46	Outage probability of a multi-relay cognitive network with an uncertain number of forwarding relays. , 2014, , .		4
47	Relaying with finite blocklength: Challenge vs. opportunity. , 2016, , .		4
48	Matching Based Two-Timescale Resource Allocation for Cooperative D2D Communication. , 2019, , .		4
49	Full-Duplex Relay in High-Reliability Low-latency Networks Operating with Finite Blocklength Codes. , 2019, , .		4
50	A risk-sensitive task offloading strategy for edge computing in industrial Internet of Things. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	2.4	4
51	Iterative Resolution and Optimal Scheduling of Blind Retransmissions for Multi-user URLLC. , 2021, , .		4
52	Robust Design for UAV-Enabled Multiuser Relaying System With SWIPT. IEEE Transactions on Green Communications and Networking, 2021, 5, 1293-1305.	5.5	4
53	CLARQ: A Dynamic ARQ Solution for Ultra-High Closed-Loop Reliability. IEEE Transactions on Wireless Communications, 2022, 21, 280-294.	9.2	4
54	Joint Power and Data Allocation in Multi-Carrier Full-Duplex Relaying Networks Operating With Finite Blocklength Codes. IEEE Transactions on Wireless Communications, 2022, 21, 1513-1528.	9.2	4

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55	Optimal-Delay-Guaranteed Energy Efficient Cooperative Offloading in VEC Networks. , 2020, , .		4
56	Data Freshness Optimization in Relaying Network Operating with Finite Blocklength Codes. , 2021, , .		4
57	Finite blocklength performance of multi-hop relaying networks. , 2016, , .		3
58	Optimal power allocation for QoS-constrained downlink networks with finite blocklength codes. , 2018, , .		3
59	A Seysen's algorithmâ€"based incremental lattice reduction. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3596.	3.9	3
60	Simultaneous Wireless Information and Power Transfer in Low-Latency Relaying Networks with Nonlinear Energy Harvesting. , 2021, , .		3
61	Radio-Map-Based UAV Placement Design for UAV-Assisted Relaying Networks. , 2021, , .		3
62	Optimization of unmanned aerial vehicle augmented ultra-dense networks. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	3
63	Finite blocklength performance of a multi-relay network with best single relay selection. , 2017, , .		2
64	Throughput Maximization of Low-Latency Communication with Imperfect CSI in Finite Blocklength Regime. , 2019, , .		2
65	Multi-Device Low-Latency Internet of Things Networks with Blind Retransmissions in the Finite Blocklength Regime. , 2020, , .		2
66	Defensive Compressive Time Delay Estimation Using Information Bottleneck. IEEE Signal Processing Letters, 2021, 28, 1968-1972.	3.6	2
67	Reliability-Optimal Designs in MEC Networks with Finite Blocklength Codes and Outdated CSI: (Invited) Tj ETQq1 1 0.784314 rgBT /O		2
68	UAV Trajectory Design on Completion Time Minimization of WPT Task in UAV-Enabled Multi-User Network. , 2022, , .		2
69	Performance analysis of cooperative ARQ systems for wireless industrial networks. , 2016, , .		1
70	Simultaneous wireless information and power transfer in relay networks with finite blocklength codes. , 2017, , .		1
71	Type-II Quasi-Cyclic LDPC Codes with Girth Eight from Sidon Sequence. , 2018, , .		1
72	Optimal Power Allocation for Amplify and Forward Relaying with Finite Blocklength Codes and QoS Constraints. , 2018, , .		1

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73	Robust Secure UAV Communication Systems with Full-Duplex Jamming. , 2021, , .		1
74	Performance Analysis for Correlated AoI and Energy Efficiency in Heterogeneous CR-IoT System. , 2021, , .		1
75	Error Probability Minimization of Multi-hop Relaying System in the Finite Blocklength Regime. , 2021, , .		1
76	Relaying-Assisted Multiuser Networks in FBL Regime: Achievable Reliability-Constrained Throughput. , 2021, , .		1
77	Goodput Maximization in Slotted ALOHA Networks Operating with Finite Blocklength Codes. , 2020, , .		1
78	Target Direction Finding in HFSWR Sea Clutter Based on FRFT. Lecture Notes in Electrical Engineering, 2020, , 2390-2397.	0.4	1
79	Average Age in Coordinate Decision-Making Wireless Systems Operating with FBL Codes. , 2021, , .		1
80	Channel Capacity in the Finite Blocklength Regime for Massive MIMO with Selected Multi-Streams (Invited Paper). , 2022, , .		1
81	The outage performance of realtime transmission in multiple asynchronous relays enhanced OFDM system. , 2013, , .		0
82	Energy Minimization of Delay-Constrained Offloading in Vehicular Edge Computing Networks. , 2019, , .		0
83	Joint Design of UAV Trajectory and Directional Antenna Orientation in UAV-Enabled WPT Networks. , 2021, , .		0
84	Density Evolution Based Multi-Level Polar Coded Modulation. , 2021, , .		0