Yulin Hu

List of Publications by Year
in descending order

84 papers	1,287 citations	471509 17 h-index	434195 31 g-index
85 all docs	85 docs citations	85 times ranked	1117 citing authors

#	Article	IF	Citations
1	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
2	CLARQ: A Dynamic ARQ Solution for Ultra-High Closed-Loop Reliability. IEEE Transactions on Wireless Communications, 2022, 21, 280-294.	9.2	4
3	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
4	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
5	Latency-Critical Downlink Multiple Access: A Hybrid Approach and Reliability Maximization. IEEE Transactions on Wireless Communications, 2022, 21, 9261-9275.	9.2	5
6	Convexity Analysis of Nonlinear Wireless Power Transfer With Multiple RF Sources. IEEE Transactions on Vehicular Technology, 2022, 71, 11311-11316.	6.3	5
7	UAV Trajectory Design on Completion Time Minimization of WPT Task in UAV-Enabled Multi-User Network. , 2022, , .		2
8	Channel Capacity in the Finite Blocklength Regime for Massive MIMO with Selected Multi-Streams (Invited Paper). , 2022, , .		1
9	Massive MIMO Two-Way Relaying Systems With SWIPT in IoT Networks. IEEE Internet of Things Journal, 2021, 8, 15126-15139.	8.7	23
10	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
11	Two-Timescale Resource Allocation for Cooperative D2D Communication: A Matching Game Approach. IEEE Transactions on Vehicular Technology, 2021, 70, 543-557.	6.3	17
12	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
13	Deep Reinforcement Learning and Optimization Based Green Mobile Edge Computing. , 2021, , .		8
14	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
15	Robust Secure UAV Communication Systems with Full-Duplex Jamming. , 2021, , .		1
16	Performance Analysis for Correlated AoI and Energy Efficiency in Heterogeneous CR-IoT System. , 2021, , .		1
17	Average Age-of-Information Minimization in EH-enabled Low-Latency IoT Networks. , 2021, , .		6
18	Iterative Resolution and Optimal Scheduling of Blind Retransmissions for Multi-user URLLC. , 2021, , .		4

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19	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
20	Joint Design of UAV Trajectory and Directional Antenna Orientation in UAV-Enabled WPT Networks. , 2021, , .		0
21	Simultaneous Wireless Information and Power Transfer in Low-Latency Relaying Networks with Nonlinear Energy Harvesting. , 2021, , .		3
22	Radio-Map-Based UAV Placement Design for UAV-Assisted Relaying Networks. , 2021, , .		3
23	Sustainable Wireless Sensor Networks With UAV-Enabled Wireless Power Transfer. IEEE Transactions on Vehicular Technology, 2021, 70, 8050-8064.	6.3	19
24	Robust Design for UAV-Enabled Multiuser Relaying System With SWIPT. IEEE Transactions on Green Communications and Networking, 2021, 5, 1293-1305.	5.5	4
25	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
26	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
27	Defensive Compressive Time Delay Estimation Using Information Bottleneck. IEEE Signal Processing Letters, 2021, 28, 1968-1972.	3.6	2
28	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
29	Reliability-Optimal Designs in MEC Networks with Finite Blocklength Codes and Outdated CSI: (Invited) Tj ETQq1 1 0.784314 rgBT /O		2
30	Error Probability Minimization of Multi-hop Relaying System in the Finite Blocklength Regime. , 2021, , .		1
31	Relaying-Assisted Multiuser Networks in FBL Regime: Achievable Reliability-Constrained Throughput. , 2021, , .		1
32	Density Evolution Based Multi-Level Polar Coded Modulation. , 2021, , .		0
33	Average Age in Coordinate Decision-Making Wireless Systems Operating with FBL Codes. , 2021, , .		1
34	Data Freshness Optimization in Relaying Network Operating with Finite Blocklength Codes. , 2021, , .		4
35	Multi-Device Low-Latency Internet of Things Networks with Blind Retransmissions in the Finite Blocklength Regime. , 2020, , .		2
36	Type-II QC-LDPC Codes From Multiplicative Subgroup of Prime Field. IEEE Access, 2020, 8, 142459-142467.	4.2	6

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37	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
38	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
39	Optimal Resource Allocation in Ground Wireless Networks Supporting Unmanned Aerial Vehicle Transmissions. IEEE Transactions on Vehicular Technology, 2020, 69, 8972-8984.	6.3	7
40	Optimal Designs for Relay-Assisted NOMA Networks With Hybrid SWIPT Scheme. IEEE Transactions on Communications, 2020, 68, 3588-3601.	7.8	21
41	On the Convex Properties of Wireless Power Transfer With Nonlinear Energy Harvesting. IEEE Transactions on Vehicular Technology, 2020, 69, 5672-5676.	6.3	13
42	Optimization of unmanned aerial vehicle augmented ultra-dense networks. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	3
43	Goodput Maximization in Slotted ALOHA Networks Operating with Finite Blocklength Codes. , 2020, , .		1
44	Optimal-Delay-Guaranteed Energy Efficient Cooperative Offloading in VEC Networks. , 2020, , .		4
45	Target Direction Finding in HFSWR Sea Clutter Based on FRFT. Lecture Notes in Electrical Engineering, 2020, , 2390-2397.	0.4	1
46	Optimal 1D Trajectory Design for UAV-Enabled Multiuser Wireless Power Transfer. IEEE Transactions on Communications, 2019, 67, 5674-5688.	7.8	92
47	A Seysen's algorithmâ€“based incremental lattice reduction. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3596.	3.9	3
48	Reliability-Optimal Offloading in Multi-Server Edge Computing Networks with Transmissions Carried by Finite Blocklength Codes. , 2019, , .		8
49	Genetic Algorithm based UAV Trajectory Design in Wireless Power Transfer Systems. , 2019, , .		17
50	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
51	Energy Minimization of Mobile Edge Computing Networks with Finite Retransmissions in the Finite Blocklength Regime. , 2019, , .		10
52	Closed-Form Symbol Error Rate Expressions for Non-Orthogonal Multiple Access Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 6775-6789.	6.3	44
53	Constructions of Type-II QC-LDPC Codes With Girth Eight from Sidon Sequence. IEEE Transactions on Communications, 2019, 67, 3865-3878.	7.8	19
54	Optimal Blocklength Allocation Towards Reduced Age of Information in Wireless Sensor Networks. , 2019, , .		12

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55	Matching Based Two-Timescale Resource Allocation for Cooperative D2D Communication. , 2019, , .		4
56	Throughput Maximization of Low-Latency Communication with Imperfect CSI in Finite Blocklength Regime. , 2019, , .		2
57	Energy Minimization of Delay-Constrained Offloading in Vehicular Edge Computing Networks. , 2019, , .		0
58	Full-Duplex Relay in High-Reliability Low-latency Networks Operating with Finite Blocklength Codes. , 2019, , .		4
59	Delay Minimization Offloading for Interdependent Tasks in Energy-Aware Cooperative MEC Networks. , 2019, , .		19
60	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
61	Finite Blocklength Performance of Cooperative Multi-Terminal Wireless Industrial Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 5778-5792.	6.3	24
62	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
63	Relaying-Enabled Ultra-Reliable Low-Latency Communications in 5G. IEEE Network, 2018, 32, 62-68.	6.9	67
64	Type-II Quasi-Cyclic LDPC Codes with Girth Eight from Sidon Sequence. , 2018, , .		1
65	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
66	Deep Reinforcement Learning based Resource Allocation in Low Latency Edge Computing Networks. , 2018, , .		111
67	Delay-Constrained Communication in Edge Computing Networks. , 2018, , .		7
68	Optimal power allocation for QoS-constrained downlink networks with finite blocklength codes. , 2018, , .		3
69	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
70	Optimal Power Allocation for Amplify and Forward Relaying with Finite Blocklength Codes and QoS Constraints. , 2018, , .		1
71	Simultaneous wireless information and power transfer in relay networks with finite blocklength codes. , 2017, , .		1
72	Finite blocklength performance of a multi-relay network with best single relay selection. , 2017, , .		2

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73	Efficient transmission schemes for low-latency networks: NOMA vs. relaying. , 2017, , .		23
74	Blocklength-Limited Performance of Relaying under Quasi-Static Rayleigh Channels. IEEE Transactions on Wireless Communications, 2016, , 1-1.	9.2	98
75	Performance analysis of cooperative ARQ systems for wireless industrial networks. , 2016, , .		1
76	Relaying with finite blocklength: Challenge vs. opportunity. , 2016, , .		4
77	Finite blocklength performance of multi-hop relaying networks. , 2016, , .		3
78	QoS-Constrained Energy Efficiency of Cooperative ARQ in Multiple DF Relay Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 848-859.	6.3	27
79	On the Capacity of Relaying With Finite Blocklength. IEEE Transactions on Vehicular Technology, 2016, 65, 1790-1794.	6.3	73
80	On the Performance Advantage of Relaying Under the Finite Blocklength Regime. IEEE Communications Letters, 2015, 19, 779-782.	4.1	36
81	Outage probability of a multi-relay cognitive network with an uncertain number of forwarding relays. , 2014, , .		4
82	The outage performance of realtime transmission in multiple asynchronous relays enhanced OFDM system. , 2013, , .		0
83	On the outage probability and effective capacity of multiple decode-and-forward relay system. , 2012, , .		13
84	A Novel Multiple Relay Selection Strategy for LTE-Advanced Relay Systems. , 2011, , .		7