

Guanding Yu

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

2,461
citations

304743

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254184

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114
all docs

114
docs citations

114
times ranked

2103
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint Mode Selection and Resource Allocation for Device-to-Device Communications. IEEE Transactions on Communications, 2014, 62, 3814-3824.	7.8	258
2	Multi-Objective Energy-Efficient Resource Allocation for Multi-RAT Heterogeneous Networks. IEEE Journal on Selected Areas in Communications, 2015, 33, 2118-2127.	14.0	129
3	Scheduling for Cellular Federated Edge Learning With Importance and Channel Awareness. IEEE Transactions on Wireless Communications, 2020, 19, 7690-7703.	9.2	128
4	Cellular Meets WiFi: Traffic Offloading or Resource Sharing?. IEEE Transactions on Wireless Communications, 2016, 15, 3354-3367.	9.2	119
5	LBT-Based Adaptive Channel Access for LTE-U Systems. IEEE Transactions on Wireless Communications, 2016, 15, 6585-6597.	9.2	117
6	AUV-Aided Energy-Efficient Data Collection in Underwater Acoustic Sensor Networks. IEEE Internet of Things Journal, 2020, 7, 10010-10022.	8.7	105
7	Accelerating DNN Training in Wireless Federated Edge Learning Systems. IEEE Journal on Selected Areas in Communications, 2021, 39, 219-232.	14.0	105
8	On the Secrecy Capacity of Fading Wireless Channel with Multiple Eavesdroppers. , 2007, , .		86
9	A distributed relay selection method for relay assisted Device-to-Device communication system. , 2012, , .		71
10	Optimizing Unlicensed Spectrum Sharing for LTE-U and WiFi Network Coexistence. IEEE Journal on Selected Areas in Communications, 2016, 34, 2562-2574.	14.0	67
11	Joint Downlink and Uplink Resource Allocation for Energy-Efficient Carrier Aggregation. IEEE Transactions on Wireless Communications, 2015, 14, 3207-3218.	9.2	62
12	Cooperative ARQ in Wireless Networks: Protocols Description and Performance Analysis. , 2006, , .		58
13	Deep Neural Networks for Linear Sum Assignment Problems. IEEE Wireless Communications Letters, 2018, 7, 962-965.	5.0	57
14	Graph Embedding-Based Wireless Link Scheduling With Few Training Samples. IEEE Transactions on Wireless Communications, 2021, 20, 2282-2294.	9.2	54
15	Uplink channel reusing selection optimization for Device-to-Device communication underlying cellular networks. , 2012, , .		53
16	A Framework for Co-Channel Interference and Collision Probability Tradeoff in LTE Licensed-Assisted Access Networks. IEEE Transactions on Wireless Communications, 2016, 15, 6078-6090.	9.2	51
17	RIS-Assisted Communication Radar Coexistence: Joint Beamforming Design and Analysis. IEEE Journal on Selected Areas in Communications, 2022, 40, 2131-2145.	14.0	45
18	Energy-Efficient Resource Allocation in Single-Cell OFDMA Systems: Multi-Objective Approach. IEEE Transactions on Wireless Communications, 2015, 14, 5848-5858.	9.2	41

#	ARTICLE	IF	CITATIONS
19	Importance-Aware Data Selection and Resource Allocation in Federated Edge Learning System. IEEE Transactions on Vehicular Technology, 2020, 69, 13593-13605.	6.3	35
20	Results on Energy- and Spectral-Efficiency Tradeoff in Cellular Networks With Full-Duplex Enabled Base Stations. IEEE Transactions on Wireless Communications, 2017, 16, 1494-1507.	9.2	31
21	Joint Deep Reinforcement Learning and Unfolding: Beam Selection and Precoding for mmWave Multiuser MIMO With Lens Arrays. IEEE Journal on Selected Areas in Communications, 2021, 39, 2289-2304.	14.0	31
22	Time-division cellular networks with full-duplex base stations. IEEE Communications Letters, 2016, 20, 392-395.	4.1	30
23	Low-Complexity Joint Resource Allocation and Trajectory Design for UAV-Aided Relay Networks With the Segmented Ray-Tracing Channel Model. IEEE Transactions on Wireless Communications, 2020, 19, 6179-6195.	9.2	30
24	Prediction-Based Spectrum Aggregation with Hardware Limitation in Cognitive Radio Networks. , 2010, , .		28
25	Joint user scheduling and channel allocation for cellular networks with full duplex base stations. IET Communications, 2016, 10, 479-486.	2.2	27
26	Joint User Association and Resource Allocation for Wireless Hierarchical Federated Learning With IID and Non-IID Data. IEEE Transactions on Wireless Communications, 2022, 21, 7852-7866.	9.2	26
27	Interference-aware channel allocation for Device-to-Device communication underlying cellular networks. , 2012, , .		25
28	Joint Computation Offloading and Resource Allocation in D2D Enabled MEC Networks. , 2019, , .		25
29	Adaptive LBT for Licensed Assisted Access LTE Networks. , 2015, , .		24
30	Joint subcarrier and power allocation for OFDMA based mobile edge computing system. , 2017, , .		24
31	Dual-threshold sleep mode control scheme for small cells. IET Communications, 2014, 8, 2008-2016.	2.2	23
32	Joint Model Pruning and Device Selection for Communication-Efficient Federated Edge Learning. IEEE Transactions on Communications, 2022, 70, 231-244.	7.8	22
33	FdICIC: Inter-cell Interference Coordination for Full-Duplex Cellular Systems. Wireless Personal Communications, 2018, 101, 1-22.	2.7	21
34	Energy Consumption Analysis of Energy Harvesting Systems with Power Grid. IEEE Wireless Communications Letters, 2013, 2, 611-614.	5.0	20
35	Interference coordination strategy based on Nash bargaining for small-cell networks. IET Communications, 2015, 9, 1583-1590.	2.2	19
36	Performance of Cyclostationary Features Based Spectrum Sensing Method in a Multiple Antenna Cognitive Radio System. , 2009, , .		18

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37	Throughput Analysis of LAA and Wi-Fi Coexistence Network With Asynchronous Channel Access. IEEE Access, 2018, 6, 9218-9226.	4.2	15
38	Data Transmission in Mobile Edge Networks: Whether and Where to Compress?. IEEE Communications Letters, 2019, 23, 490-493.	4.1	15
39	Decentralized Inference With Graph Neural Networks in Wireless Communication Systems. IEEE Transactions on Mobile Computing, 2023, 22, 2582-2598.	5.8	15
40	Resource Management in LTE-U Systems: Past, Present, and Future. IEEE Open Journal of Vehicular Technology, 2020, 1, 1-17.	4.9	14
41	Optimizing the Learning Performance in Mobile Augmented Reality Systems With CNN. IEEE Transactions on Wireless Communications, 2020, 19, 5333-5344.	9.2	14
42	Accelerating Generalized Benders Decomposition for Wireless Resource Allocation. IEEE Transactions on Wireless Communications, 2021, 20, 1233-1247.	9.2	13
43	Deep-Unfolding Beamforming for Intelligent Reflecting Surface Assisted Full-Duplex Systems. IEEE Transactions on Wireless Communications, 2022, 21, 4784-4800.	9.2	13
44	Two-Timescale End-to-End Learning for Channel Acquisition and Hybrid Precoding. IEEE Journal on Selected Areas in Communications, 2022, 40, 163-181.	14.0	13
45	Sensing error aware delay-optimal channel allocation scheme for cognitive radio networks. Telecommunication Systems, 2013, 52, 1895-1904.	2.5	12
46	Joint Network-Channel Coding with Rateless Code in Two-Way Relay Systems. IEEE Transactions on Wireless Communications, 2013, 12, 3158-3169.	9.2	12
47	KFIML: Kubernetes-Based Fog Computing IoT Platform for Online Machine Learning. IEEE Internet of Things Journal, 2022, 9, 19463-19476.	8.7	12
48	Adaptive subcarrier and bit allocation in OFDMA systems supporting heterogeneous services. Wireless Personal Communications, 2007, 43, 1057-1070.	2.7	11
49	Optimal Resource Allocation for Cognitive Radio Networks with Imperfect Spectrum Sensing. , 2010, , .		11
50	Minority Game for Distributed User Association in Unlicensed Heterogenous Networks. IEEE Transactions on Wireless Communications, 2020, 19, 4220-4233.	9.2	11
51	Analysis of cognitive radio spectrum access with finite primary users and infinite secondary users. , 2010, , .		10
52	Adaptive biasing scheme for load balancing in backhaul constrained small cell networks. IET Communications, 2015, 9, 999-1005.	2.2	10
53	Design and Analysis of Random Access for Standalone LTE-U Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 9347-9361.	6.3	10
54	Full-duplex and half-duplex: power efficiency comparison. Electronics Letters, 2016, 52, 483-485.	1.0	8

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55	A Fast Graph Neural Network-Based Method for Winner Determination in Multi-Unit Combinatorial Auctions. IEEE Transactions on Cloud Computing, 2022, 10, 2264-2280.	4.4	8
56	Energy-efficiency region for multiple access channels. Electronics Letters, 2014, 50, 959-961.	1.0	7
57	An Opportunistic Unlicensed Spectrum Utilization Method for LTE and WiFi Coexistence System. , 2015, , .		7
58	Joint User Association and Resource Optimization for Unlicensed LTE Systems. , 2018, , .		7
59	Coexistence algorithms for LTE and WiFi networks in unlicensed spectrum: performance optimization and comparison. Wireless Networks, 2021, 27, 1875-1885.	3.0	7
60	Tradeoff between co-channel Interference and collision probability in LAA systems. , 2016, , .		6
61	Energy-efficient mode selection and power control for device-to-device communications. , 2016, , .		6
62	Joint Optimization of Computation Offloading and UL/DL Resource Allocation in MEC Systems. , 2018, , .		6
63	Mixed-Timescale Deep-Unfolding for Joint Channel Estimation and Hybrid Beamforming. IEEE Journal on Selected Areas in Communications, 2022, 40, 2510-2528.	14.0	6
64	Guest Editorial: LTE in Unlicensed Spectrum. IEEE Wireless Communications, 2016, 23, 6-7.	9.0	5
65	Data Offloading and Sharing for Latency Minimization in Augmented Reality Based on Mobile-Edge Computing. , 2018, , .		5
66	Multi-Homing in Unlicensed LTE Networks. , 2018, , .		5
67	Adaptive Batchsize Selection and Gradient Compression for Wireless Federated Learning. , 2020, , .		5
68	WLC27-3: An Efficient Resource Allocation Algorithm for OFDMA Systems with Multiple Services. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
69	Cross-Layer Iterative Decoding of Irregular LDPC Codes using Cyclic Redundancy Check Codes. , 2009, , .		4
70	Cognitive Radio Transmission Strategies Exploiting the Primary-Link Adaptivity. IEEE Transactions on Vehicular Technology, 2011, 60, 3805-3813.	6.3	4
71	Power Allocation for Relay-Assisted TDD Cellular System with Dynamic Frequency Reuse. IEEE Transactions on Wireless Communications, 2012, 11, 2424-2435.	9.2	4
72	Energy-efficient resource block allocation for licensed-assisted access. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
73	Power control, user scheduling and resource Allocation for Downlink NOMA Systems with Imperfect Channel State Information. , 2017, , .		4
74	A Distributed Network Selection Method Based on Minority Game for LTE in Unlicensed Bands. , 2019, , .		4
75	Hybrid Precoding Design Based on Dual-Layer Deep-Unfolding Neural Network. , 2021, , .		4
76	Machine Learning-Based Resource Optimization for D2D Communication Underlying Networks. , 2020, , .		4
77	Two-Timescale Resource Management for Ultrareliable and Low-Latency Vehicular Communications. IEEE Transactions on Communications, 2022, 70, 3282-3294.	7.8	4
78	Optimal Bit and Power Allocation in Broadband Cognitive Radio System. IEEE Vehicular Technology Conference, 2008, , .	0.4	3
79	Joint downlink and uplink resource allocation for energy-efficient carrier aggregation. , 2014, , .		3
80	Energy-efficient multi-objective power allocation for multi-user AF cooperative networks. , 2016, , .		3
81	Robust Rate-Maximization Precoder Design for VFDM System. IEEE Transactions on Vehicular Technology, 2020, 69, 2747-2757.	6.3	3
82	Wireless Link Scheduling for D2D Communications with Graph Embedding Technique. , 2020, , .		3
83	IEEE Access Special Section Editorial: Mobile Edge Computing and Mobile Cloud Computing: Addressing Heterogeneity and Energy Issues of Compute and Network Resources. IEEE Access, 2020, 8, 163769-163774.	4.2	3
84	Optimizing the Learning Accuracy in Mobile Augmented Reality Systems with CNN. , 2020, , .		3
85	Multicell Power Control Under QoS Requirements With CNet. IEEE Communications Letters, 2022, 26, 1308-1312.	4.1	3
86	Decentralized Edge Learning via Unreliable Device-to-Device Communications. IEEE Transactions on Wireless Communications, 2022, 21, 9041-9055.	9.2	3
87	Space-Time-Energy based forwarding protocol for underwater acoustic sensor networks. , 2010, , .		2
88	Decentralized interference coordination for D2D communication underlying cellular Networks. , 2015, , .		2
89	Bidirectional Mobile Offloading in LTE-U and WiFi Coexistence Systems. , 2018, , .		2
90	Optimizing Feedback User Selection for Standalone U-LTE Networks With Randomly Delayed CSI. IEEE Wireless Communications Letters, 2019, 8, 1236-1239.	5.0	2

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91	Joint resource allocation over licensed and unlicensed spectrum in U-LTE networks. <i>Wireless Networks</i> , 2021, 27, 1089-1102.	3.0	2
92	User Association for Millimeter-Wave Ultra-Reliable Low-Latency Communications. <i>IEEE Wireless Communications Letters</i> , 2021, 10, 315-319.	5.0	2
93	Resource Allocation for Wireless Federated Edge Learning based on Data Importance. , 2020, , .		2
94	Deep Reinforcement Learning-Based User Pairing in Full-Duplex Communication Systems. , 2020, , .		2
95	Adaptive Modulation for Wireless Federated Learning. , 2021, , .		2
96	A Graph Neural Network Based Decentralized Learning Scheme. <i>Sensors</i> , 2022, 22, 1030.	3.8	2
97	Deep-Learning-Based Resource Allocation for Time-Sensitive Device-to-Device Networks. <i>Sensors</i> , 2022, 22, 1551.	3.8	2
98	Computing Efficient Antenna Selection Algorithms for MIMO-OFDM Systems. , 2006, , .		1
99	Joint user pairing, resource block allocation, and power control for full-duplex cellular networks. , 2016, , .		1
100	Interference coordination for small cell networks with full-duplex base stations. , 2017, , .		1
101	Adaptive PCA Based Channel Estimation and Tracking for URA Massive MIMO Systems. , 2019, , .		1
102	IDFT-VFDM for LTE FDD-NR SUL Co-existence. , 2019, , .		1
103	Unitary Matrix Method for PAPR Reduction of IDFT-VFDM Signals. <i>IEEE Wireless Communications Letters</i> , 2020, 9, 2107-2111.	5.0	1
104	Power Allocation for Full-Duplex Communication Systems Based on Deep Deterministic Policy Gradient. , 2020, , .		1
105	Importance- and Channel-Aware Scheduling in Cellular Federated Edge Learning. , 2020, , .		1
106	Joint channel-network coding with rateless code in two-way relay system. , 2012, , .		0
107	An Opportunistic Unlicensed Spectrum Utilization Method for LTE and WiFi Coexistence System. , 2014, , .		0
108	Adaptive LBT for Licensed Assisted Access LTE Networks. , 2014, , .		0

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109	Energy Efficiency Optimization for Non-Orthogonal Spectrum Sharing. , 2016, , .		0
110	Multi-Agent Reinforcement Learning Based Unlicensed Resource Sharing for LTE-U Networks. , 2018, , .		0
111	A Distributed User Association Method for LTE-U by Enabling Q-Learning in Minority Game. , 2019, , .		0
112	BiLSTM Based Reinforcement Learning for Resource Allocation and User Association in LTE-U Networks. Wireless Personal Communications, 2020, 114, 2629-2641.	2.7	0
113	Wireless D2D Network Link Scheduling based on Graph Embedding. , 2020, , .		0
114	Adaptive Channel Detection for Full-Duplex Based IAB Systems on Unlicensed Channels. , 2021, , .		0