

# Mehdi Bennis

## List of Publications by Year in descending order

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342  
papers

23,315  
citations

31976

53  
h-index

14759

127  
g-index

347  
all docs

347  
docs citations

347  
times ranked

12375  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Vision of 6G Wireless Systems: Applications, Trends, Technologies, and Open Research Problems. IEEE Network, 2020, 34, 134-142.	6.9	2,182
2	A Tutorial on UAVs for Wireless Networks: Applications, Challenges, and Open Problems. IEEE Communications Surveys and Tutorials, 2019, 21, 2334-2360.	39.4	1,602
3	Living on the edge: The role of proactive caching in 5G wireless networks. , 2014, 52, 82-89.		960
4	Unmanned Aerial Vehicle With Underlaid Device-to-Device Communications: Performance and Tradeoffs. IEEE Transactions on Wireless Communications, 2016, 15, 3949-3963.	9.2	958
5	Efficient Deployment of Multiple Unmanned Aerial Vehicles for Optimal Wireless Coverage. IEEE Communications Letters, 2016, 20, 1647-1650.	4.1	798
6	Mobile Unmanned Aerial Vehicles (UAVs) for Energy-Efficient Internet of Things Communications. IEEE Transactions on Wireless Communications, 2017, 16, 7574-7589.	9.2	765
7	Ultrareliable and Low-Latency Wireless Communication: Tail, Risk, and Scale. Proceedings of the IEEE, 2018, 106, 1834-1853.	21.3	590
8	A Speculative Study on 6G. IEEE Wireless Communications, 2020, 27, 118-125.	9.0	472
9	Optimized Computation Offloading Performance in Virtual Edge Computing Systems Via Deep Reinforcement Learning. IEEE Internet of Things Journal, 2019, 6, 4005-4018.	8.7	467
10	Matching theory for future wireless networks: fundamentals and applications. , 2015, 53, 52-59.		455
11	Blockchained On-Device Federated Learning. IEEE Communications Letters, 2020, 24, 1279-1283.	4.1	449
12	Drone Small Cells in the Clouds: Design, Deployment and Performance Analysis. , 2015, , .		440
13	Toward Interconnected Virtual Reality: Opportunities, Challenges, and Enablers. , 2017, 55, 110-117.		399
14	Toward Low-Latency and Ultra-Reliable Virtual Reality. IEEE Network, 2018, 32, 78-84.	6.9	389
15	Wireless Network Intelligence at the Edge. Proceedings of the IEEE, 2019, 107, 2204-2239.	21.3	360
16	Beyond 5G With UAVs: Foundations of a 3D Wireless Cellular Network. IEEE Transactions on Wireless Communications, 2019, 18, 357-372.	9.2	307
17	Big data caching for networking: moving from cloud to edge. , 2016, 54, 36-42.		267
18	Dynamic Task Offloading and Resource Allocation for Ultra-Reliable Low-Latency Edge Computing. IEEE Transactions on Communications, 2019, 67, 4132-4150.	7.8	266

#	ARTICLE	IF	CITATIONS
19	Wireless Communication Using Unmanned Aerial Vehicles (UAVs): Optimal Transport Theory for Hover Time Optimization. IEEE Transactions on Wireless Communications, 2017, 16, 8052-8066.	9.2	261
20	UAV-Assisted Heterogeneous Networks for Capacity Enhancement. IEEE Communications Letters, 2016, 20, 1207-1210.	4.1	251
21	Distributed Federated Learning for Ultra-Reliable Low-Latency Vehicular Communications. IEEE Transactions on Communications, 2020, 68, 1146-1159.	7.8	240
22	When cellular meets WiFi in wireless small cell networks. , 2013, 51, 44-50.		211
23	Performance of Transmit Antenna Selection Physical Layer Security Schemes. IEEE Signal Processing Letters, 2012, 19, 372-375.	3.6	206
24	Distributed Learning in Wireless Networks: Recent Progress and Future Challenges. IEEE Journal on Selected Areas in Communications, 2021, 39, 3579-3605.	14.0	201
25	Optimal transport theory for power-efficient deployment of unmanned aerial vehicles. , 2016, , .		194
26	Mobile Internet of Things: Can UAVs Provide an Energy-Efficient Mobile Architecture?. , 2016, , .		184
27	A Crowdsourcing Framework for On-Device Federated Learning. IEEE Transactions on Wireless Communications, 2020, 19, 3241-3256.	9.2	175
28	Self-Organization in Small Cell Networks: A Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2013, 12, 3202-3212.	9.2	162
29	Intelligent Resource Slicing for eMBB and URLLC Coexistence in 5G and Beyond: A Deep Reinforcement Learning Based Approach. IEEE Transactions on Wireless Communications, 2021, 20, 4585-4600.	9.2	149
30	eMBB-URLLC Resource Slicing: A Risk-Sensitive Approach. IEEE Communications Letters, 2019, 23, 740-743.	4.1	148
31	Cache-enabled small cell networks: modeling and tradeoffs. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, 41.	2.4	145
32	Federated Learning for Ultra-Reliable Low-Latency V2V Communications. , 2018, , .		144
33	Latency and Reliability-Aware Task Offloading and Resource Allocation for Mobile Edge Computing. , 2017, , .		142
34	Ultra Dense Small Cell Networks: Turning Density Into Energy Efficiency. IEEE Journal on Selected Areas in Communications, 2016, 34, 1267-1280.	14.0	139
35	User Preference Learning-Based Edge Caching for Fog Radio Access Network. IEEE Transactions on Communications, 2019, 67, 1268-1283.	7.8	139
36	Seven Defining Features of Terahertz (THz) Wireless Systems: A Fellowship of Communication and Sensing. IEEE Communications Surveys and Tutorials, 2022, 24, 967-993.	39.4	139

#	ARTICLE	IF	CITATIONS
37	Big data meets telcos: A proactive caching perspective. Journal of Communications and Networks, 2015, 17, 549-557.	2.6	137
38	Context-Aware Small Cell Networks: How Social Metrics Improve Wireless Resource Allocation. IEEE Transactions on Wireless Communications, 2015, 14, 5927-5940.	9.2	134
39	Millimeter-Wave V2V Communications: Distributed Association and Beam Alignment. IEEE Journal on Selected Areas in Communications, 2017, 35, 2148-2162.	14.0	130
40	A Q-learning based approach to interference avoidance in self-organized femtocell networks. , 2010, , .		122
41	Age of Information Aware Radio Resource Management in Vehicular Networks: A Proactive Deep Reinforcement Learning Perspective. IEEE Transactions on Wireless Communications, 2020, 19, 2268-2281.	9.2	118
42	Matching with externalities for context-aware user-cell association in small cell networks. , 2013, , .		102
43	Wireless Edge Computing With Latency and Reliability Guarantees. Proceedings of the IEEE, 2019, 107, 1717-1737.	21.3	100
44	Reflections in the Sky: Millimeter Wave Communication with UAV-Carried Intelligent Reflectors. , 2019, , .		100
45	Federated Learning in the Sky: Joint Power Allocation and Scheduling with UAV Swarms. , 2020, , .		100
46	Communication-Efficient and Distributed Learning Over Wireless Networks: Principles and Applications. Proceedings of the IEEE, 2021, 109, 796-819.	21.3	100
47	Joint Communication and Control for Wireless Autonomous Vehicular Platoon Systems. IEEE Transactions on Communications, 2019, 67, 7907-7922.	7.8	98
48	Integrated Millimeter Wave and Sub-6 GHz Wireless Networks: A Roadmap for Joint Mobile Broadband and Ultra-Reliable Low-Latency Communications. IEEE Wireless Communications, 2019, 26, 109-115.	9.0	98
49	Spectrum Leasing as an Incentive Towards Uplink Macrocell and Femtocell Cooperation. IEEE Journal on Selected Areas in Communications, 2012, 30, 617-630.	14.0	96
50	Multi-Tenant Cross-Slice Resource Orchestration: A Deep Reinforcement Learning Approach. IEEE Journal on Selected Areas in Communications, 2019, 37, 2377-2392.	14.0	96
51	Proactive edge computing in latency-constrained fog networks. , 2017, , .		95
52	Performance Optimization in Mobile-Edge Computing via Deep Reinforcement Learning. , 2018, , .		95
53	Optimal Transport Theory for Cell Association in UAV-Enabled Cellular Networks. IEEE Communications Letters, 2017, 21, 2053-2056.	4.1	94
54	Interference Alignment for Cooperative Femtocell Networks: A Game-Theoretic Approach. IEEE Transactions on Mobile Computing, 2013, 12, 2233-2246.	5.8	92

#	ARTICLE	IF	CITATIONS
55	Ultra-Reliable and Low Latency Communication in mmWave-Enabled Massive MIMO Networks. IEEE Communications Letters, 2017, 21, 2041-2044.	4.1	92
56	Cellular-Connected Wireless Virtual Reality: Requirements, Challenges, and Solutions. IEEE Communications Magazine, 2020, 58, 105-111.	6.1	92
57	Cache-enabled small cell networks: Modeling and tradeoffs. , 2014, , .		88
58	Learning Based Frequency- and Time-Domain Inter-Cell Interference Coordination in HetNets. IEEE Transactions on Vehicular Technology, 2015, 64, 4589-4602.	6.3	88
59	Joint Millimeter Wave and Microwave Resources Allocation in Cellular Networks With Dual-Mode Base Stations. IEEE Transactions on Wireless Communications, 2017, 16, 4802-4816.	9.2	86
60	Statistical Analysis of Self-Organizing Networks With Biased Cell Association and Interference Avoidance. IEEE Transactions on Vehicular Technology, 2013, 62, 1950-1961.	6.3	83
61	Optimized Age of Information Tail for Ultra-Reliable Low-Latency Communications in Vehicular Networks. IEEE Transactions on Communications, 2020, 68, 1911-1924.	7.8	79
62	Communications and Control for Wireless Drone-Based Antenna Array. IEEE Transactions on Communications, 2019, 67, 820-834.	7.8	76
63	An Online Optimization Framework for Distributed Fog Network Formation With Minimal Latency. IEEE Transactions on Wireless Communications, 2019, 18, 2244-2258.	9.2	73
64	Caching in Wireless Small Cell Networks: A Storage-Bandwidth Tradeoff. IEEE Communications Letters, 2016, 20, 1175-1178.	4.1	72
65	Content-aware user clustering and caching in wireless small cell networks. , 2014, , .		71
66	Machine Learning for Predictive On-Demand Deployment of Uavs for Wireless Communications. , 2018, , .		69
67	Taming the Latency in Multi-User VR 360°: A QoE-Aware Deep Learning-Aided Multicast Framework. IEEE Transactions on Communications, 2020, 68, 2491-2508.	7.8	68
68	Opportunities of Federated Learning in Connected, Cooperative, and Automated Industrial Systems. IEEE Communications Magazine, 2021, 59, 16-21.	6.1	68
69	Caching Meets Millimeter Wave Communications for Enhanced Mobility Management in 5G Networks. IEEE Transactions on Wireless Communications, 2018, 17, 779-793.	9.2	67
70	Intelligent Edge: Leveraging Deep Imitation Learning for Mobile Edge Computation Offloading. IEEE Wireless Communications, 2020, 27, 92-99.	9.0	64
71	Joint Load Balancing and Interference Mitigation in 5G Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2017, 16, 6032-6046.	9.2	62
72	Dynamic Proximity-Aware Resource Allocation in Vehicle-to-Vehicle (V2V) Communications. , 2016, , .		59

#	ARTICLE	IF	CITATIONS
73	Edge computing meets millimeter-wave enabled VR: Paving the way to cutting the cord. , 2018, , .		59
74	Cache-aware user association in backhaul-constrained small cell networks. , 2014, , .		58
75	Resource optimization and power allocation in in-band full duplex-enabled non-orthogonal multiple access networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 2860-2873.	14.0	57
76	A transfer learning approach for cache-enabled wireless networks. , 2015, , .		55
77	Regret Based Learning for UAV Assisted LTE-U/WiFi Public Safety Networks. , 2016, , .		54
78	Dynamic Clustering and on/off Strategies for Wireless Small Cell Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2164-2178.	9.2	54
79	Predictive Deployment of UAV Base Stations in Wireless Networks: Machine Learning Meets Contract Theory. IEEE Transactions on Wireless Communications, 2021, 20, 637-652.	9.2	54
80	Ultra-Reliable and Low-Latency Vehicular Transmission: An Extreme Value Theory Approach. IEEE Communications Letters, 2018, 22, 1292-1295.	4.1	53
81	Opportunistic sleep mode strategies in wireless small cell networks. , 2014, , .		52
82	Communication-Efficient Massive UAV Online Path Control: Federated Learning Meets Mean-Field Game Theory. IEEE Transactions on Communications, 2020, 68, 6840-6857.	7.8	52
83	Towards low-latency and ultra-reliable vehicle-to-vehicle communication. , 2017, , .		50
84	An online secretary framework for fog network formation with minimal latency. , 2017, , .		50
85	Ultra-Reliable Low-Latency Vehicular Networks: Taming the Age of Information Tail. , 2018, , .		50
86	Backhaul-Aware Interference Management in the Uplink of Wireless Small Cell Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5813-5825.	9.2	49
87	Matching theory for priority-based cell association in the downlink of wireless small cell networks. , 2014, , .		49
88	Dynamic Inter-Cell Interference Coordination in HetNets: A reinforcement learning approach. , 2012, , .		48
89	Inter-Operator Resource Management for Millimeter Wave Multi-Hop Backhaul Networks. IEEE Transactions on Wireless Communications, 2017, 16, 5258-5272.	9.2	47
90	Inter-Cluster Cooperation for Wireless D2D Caching Networks. IEEE Transactions on Wireless Communications, 2018, 17, 6108-6121.	9.2	47

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91	Dynamic Resource Allocation for Optimized Latency and Reliability in Vehicular Networks. IEEE Access, 2018, 6, 63843-63858.	4.2	43
92	Decentralized Cross-Tier Interference Mitigation in Cognitive Femtocell Networks. , 2011, , .		42
93	Social and spatial proactive caching for mobile data offloading. , 2014, , .		42
94	Risk-Based Optimization of Virtual Reality over Terahertz Reconfigurable Intelligent Surfaces. , 2020, , .		42
95	Wireless Resource Scheduling in Virtualized Radio Access Networks Using Stochastic Learning. IEEE Transactions on Mobile Computing, 2018, 17, 961-974.	5.8	41
96	Joint Path Selection and Rate Allocation Framework for 5G Self-Backhauled mm-wave Networks. IEEE Transactions on Wireless Communications, 2019, 18, 2431-2445.	9.2	41
97	Distributed Learning Strategies for Interference Mitigation in Femtocell Networks. , 2011, , .		40
98	Dynamic uplink-downlink optimization in TDD-based small cell networks. , 2014, , .		40
99	User-Centric Mobility Management in Ultra-Dense Cellular Networks under Spatio-Temporal Dynamics. , 2016, , .		40
100	Multi-Operator Spectrum Sharing for Small Cell Networks: A Matching Game Perspective. IEEE Transactions on Wireless Communications, 2017, 16, 3761-3774.	9.2	40
101	URLLC-eMBB Slicing to Support VR Multimodal Perceptions over Wireless Cellular Systems. , 2018, , .		40
102	Coordination Mechanisms for Self-Organizing Femtocells in Two-Tier Coexistence Scenarios. IEEE Transactions on Wireless Communications, 2012, 11, 2212-2223.	9.2	39
103	Modeling and analysis of content caching in wireless small cell networks. , 2015, , .		39
104	Can Terahertz Provide High-Rate Reliable Low-Latency Communications for Wireless VR?. IEEE Internet of Things Journal, 2022, 9, 9712-9729.	8.7	39
105	Coalition formation games for femtocell interference management: A recursive core approach. , 2011, , .		38
106	Dynamic Coalition Formation for Network MIMO in Small Cell Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5360-5372.	9.2	38
107	Massive Autonomous UAV Path Planning: A Neural Network Based Mean-Field Game Theoretic Approach. , 2019, , .		38
108	Match to cache: Joint user association and backhaul allocation in cache-aware small cell networks. , 2015, , .		37

#	ARTICLE	IF	CITATIONS
109	Information Freshness-Aware Task Offloading in Air-Ground Integrated Edge Computing Systems. IEEE Journal on Selected Areas in Communications, 2022, 40, 243-258.	14.0	37
110	In-Network Caching and Content Placement in Cooperative Small Cell Networks. , 2014, , .		36
111	Adaptive CSI and feedback estimation in LTE and beyond: a Gaussian process regression approach. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	35
112	Vehicle clustering for improving enhanced LTE-V2X network performance. , 2017, , .		35
113	Communication-Efficient Multimodal Split Learning for mmWave Received Power Prediction. IEEE Communications Letters, 2020, 24, 1284-1288.	4.1	35
114	Federated Learning under Channel Uncertainty: Joint Client Scheduling and Resource Allocation. , 2020, , .		35
115	Cooperative Interference Alignment in Femtocell Networks. , 2011, , .		34
116	Enhancing software-defined RAN with collaborative caching and scalable video coding. , 2016, , .		33
117	Extreme ultra-reliable and low-latency communication. Nature Electronics, 2022, 5, 133-141.	26.0	33
118	Learning based mechanisms for interference mitigation in self-organized femtocell networks. , 2010, , .		32
119	Massive UAV-to-Ground Communication and its Stable Movement Control: A Mean-Field Approach. , 2018, , .		32
120	A Mean Field Game-Based Distributed Edge Caching in Fog Radio Access Networks. IEEE Transactions on Communications, 2020, 68, 1567-1580.	7.8	32
121	Joint Parameter-and-Bandwidth Allocation for Improving the Efficiency of Partitioned Edge Learning. IEEE Transactions on Wireless Communications, 2020, 19, 8272-8286.	9.2	32
122	Remote UAV Online Path Planning via Neural Network-Based Opportunistic Control. IEEE Wireless Communications Letters, 2020, 9, 861-865.	5.0	32
123	On the impact of heterogeneous backhuls on coordinated multipoint transmission in femtocell networks. , 2012, , .		31
124	Mobility management in HetNets: a learning-based perspective. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	31
125	Joint Optimization for Optimal Power Allocation in OFDMA Femtocell Networks. IEEE Communications Letters, 2016, 20, 133-136.	4.1	31
126	Reinforcement Learning-Based Vehicle-Cell Association Algorithm for Highly Mobile Millimeter Wave Communication. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1073-1085.	7.9	31



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127	Reinforcement Learning Based Scheduling Algorithm for Optimizing Age of Information in Ultra Reliable Low Latency Networks. , 2019, , .		31
128	Energy-Efficient Power Allocation in OFDMA D2D Communication by Multiobjective Optimization. IEEE Wireless Communications Letters, 2016, 5, 668-671.	5.0	30
129	Ultra-Reliable and Low-Latency Vehicular Communication: An Active Learning Approach. IEEE Communications Letters, 2020, 24, 367-370.	4.1	30
130	Enhancing Video Streaming in Vehicular Networks via Resource Slicing. IEEE Transactions on Vehicular Technology, 2020, 69, 3513-3522.	6.3	30
131	Harnessing Wireless Channels for Scalable and Privacy-Preserving Federated Learning. IEEE Transactions on Communications, 2021, 69, 5194-5208.	7.8	30
132	Joint Client Scheduling and Resource Allocation Under Channel Uncertainty in Federated Learning. IEEE Transactions on Communications, 2021, 69, 5962-5974.	7.8	30
133	On spectrum sharing with underlaid femtocell networks. , 2010, , .		29
134	Learning coarse correlated equilibria in two-tier wireless networks. , 2012, , .		29
135	Matching theory for backhaul management in small cell networks with mmWave capabilities. , 2015, , .		29
136	Performance analysis of full duplex and selective and incremental half duplex relaying schemes. , 2012, , .		28
137	Co-Primary Multi-Operator Resource Sharing for Small Cell Networks. IEEE Transactions on Wireless Communications, 2015, 14, 3120-3130.	9.2	28
138	Online Ski Rental for ON/OFF Scheduling of Energy Harvesting Base Stations. IEEE Transactions on Wireless Communications, 2017, 16, 2976-2990.	9.2	28
139	Taming the Tail of Maximal Information Age in Wireless Industrial Networks. IEEE Communications Letters, 2019, 23, 2442-2446.	4.1	28
140	THz-Empowered UAVs in 6G: Opportunities, Challenges, and Trade-offs. IEEE Communications Magazine, 2022, 60, 24-30.	6.1	28
141	Interference avoidance via resource scheduling in TDD underlay femtocells. , 2010, , .		27
142	Ultra-Reliable Communication in 5G mmWave Networks: A Risk-Sensitive Approach. IEEE Communications Letters, 2018, 22, 708-711.	4.1	27
143	Wireless Communications and Control for Swarms of Cellular-Connected UAVs. , 2018, , .		27
144	Proactive edge computing in fog networks with latency and reliability guarantees. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	27

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145	Mix2FLD: Downlink Federated Learning After Uplink Federated Distillation With Two-Way Mixup. IEEE Communications Letters, 2020, 24, 2211-2215.	4.1	27
146	Phase Configuration Learning in Wireless Networks with Multiple Reconfigurable Intelligent Surfaces. , 2020, , .		27
147	Inter-Operator Spectrum Sharing from a Game Theoretical Perspective. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.7	26
148	Dynamic Clustering and User Association in Wireless Small-Cell Networks With Social Considerations. IEEE Transactions on Vehicular Technology, 2017, 66, 6553-6568.	6.3	26
149	Path selection and rate allocation in self-backhauled mmWave networks. , 2018, , .		26
150	Leveraging Big Data Analytics for Cache-Enabled Wireless Networks. , 2015, , .		25
151	Multi-armed bandit for LTE-U and WiFi coexistence in unlicensed bands. , 2016, , .		25
152	Network slicing for vehicular communication. Transactions on Emerging Telecommunications Technologies, 2021, 32, .	3.9	25
153	End-to-End Intent-Based Networking. IEEE Communications Magazine, 2021, 59, 106-112.	6.1	25
154	Context-aware mobility management in HetNets: A reinforcement learning approach. , 2015, , .		24
155	A Novel Caching Policy with Content Popularity Prediction and User Preference Learning in Fog-RAN. , 2017, , .		24
156	Distributed Edge Caching via Reinforcement Learning in Fog Radio Access Networks. , 2019, , .		24
157	Incentivize to Build: A Crowdsourcing Framework for Federated Learning. , 2019, , .		24
158	Decentralized Asynchronous Coded Caching Design and Performance Analysis in Fog Radio Access Networks. IEEE Transactions on Mobile Computing, 2020, 19, 540-551.	5.8	24
159	Resource Awareness In Unmanned Aerial Vehicle-Assisted Mobile-Edge Computing Systems. , 2020, , .		24
160	Federated Learning on the Road Autonomous Controller Design for Connected and Autonomous Vehicles. IEEE Transactions on Wireless Communications, 2022, 21, 10407-10423.	9.2	24
161	Spectrum sharing games on the interference channel. , 2009, , .		22
162	Ultra-dense edge caching under spatio-temporal demand and network dynamics. , 2017, , .		22

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163	Performance Optimization for UAV-Enabled Wireless Communications under Flight Time Constraints. , 2017, , .		22
164	Learning-Based Caching in Cloud-Aided Wireless Networks. IEEE Communications Letters, 2018, 22, 137-140.	4.1	22
165	Q-GADMM: Quantized Group ADMM for Communication Efficient Decentralized Machine Learning. IEEE Transactions on Communications, 2021, 69, 164-181.	7.8	22
166	Inter Base Station Resource Sharing and Improving the Overall Efficiency of B3G Systems. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	21
167	Risk-Sensitive Task Fetching and Offloading for Vehicular Edge Computing. IEEE Communications Letters, 2020, 24, 617-621.	4.1	21
168	Context-aware scheduling of joint millimeter wave and microwave resources for dual-mode base stations. , 2016, , .		20
169	Online Optimization for UAV-Assisted Distributed Fog Computing in Smart Factories of Industry 4.0. , 2018, , .		19
170	Collaborative Artificial Intelligence (AI) for User-Cell Association in Ultra-Dense Cellular Systems. , 2018, , .		19
171	Communication and Consensus Co-Design for Distributed, Low-Latency, and Reliable Wireless Systems. IEEE Internet of Things Journal, 2021, 8, 129-143.	8.7	19
172	When Wireless Communications Meet Computer Vision in Beyond 5G. IEEE Communications Standards Magazine, 2021, 5, 76-83.	4.9	19
173	Predictive Control and Communication Co-Design via Two-Way Gaussian Process Regression and AoI-Aware Scheduling. IEEE Transactions on Communications, 2021, 69, 7077-7093.	7.8	19
174	Fast MIMO Beamforming via Deep Reinforcement Learning for High Mobility mmWave Connectivity. IEEE Journal on Selected Areas in Communications, 2022, 40, 127-142.	14.0	19
175	Interference management in self-organized femtocell networks: The BeFEMTO approach. , 2011, , .		18
176	Millimeter Wave Communications With an Intelligent Reflector: Performance Optimization and Distributional Reinforcement Learning. IEEE Transactions on Wireless Communications, 2022, 21, 1836-1850.	9.2	18
177	On the delay of geographical caching methods in two-tiered heterogeneous networks. , 2016, , .		17
178	Downlink Cell Association and Load Balancing for Joint Millimeter Wave-Microwave Cellular Networks. , 2016, , .		17
179	Content Popularity Prediction in Fog Radio Access Networks: A Federated Learning Based Approach. , 2020, , .		17
180	Proxy Experience Replay: Federated Distillation for Distributed Reinforcement Learning. IEEE Intelligent Systems, 2020, 35, 94-101.	4.0	17

#	ARTICLE	IF	CITATIONS
181	Multikernel Clustering via Non-Negative Matrix Factorization Tailored Graph Tensor Over Distributed Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 1946-1956.	14.0	17
182	Energy-Efficient Resource Management in Ultra Dense Small Cell Networks: A Mean-Field Approach. , 2015, , .		16
183	CBRS Spectrum Sharing between LTE-U and WiFi: A Multiarmed Bandit Approach. Mobile Information Systems, 2016, 2016, 1-12.	0.6	16
184	Consensus-Before-Talk: Distributed Dynamic Spectrum Access via Distributed Spectrum Ledger Technology. , 2018, , .		16
185	Integrated Communications and Control Co-Design for Wireless Vehicular Platoon Systems. , 2018, , .		16
186	Cooperative caching in fog radio access networks: a graph-based approach. IET Communications, 2019, 13, 3519-3528.	2.2	16
187	Attention-based Reinforcement Learning for Real-Time UAV Semantic Communication. , 2021, , .		16
188	Online ski rental for scheduling self-powered, energy harvesting small base stations. , 2016, , .		15
189	Online optimization for low-latency computational caching in Fog networks. , 2017, , .		15
190	Performance Analysis and Caching Design in Fog Radio Access Networks. , 2018, , .		15
191	Drone-Based Antenna Array for Service Time Minimization in Wireless Networks. , 2018, , .		15
192	Performance Analysis of Blockchain Systems With Wireless Mobile Miners. IEEE Networking Letters, 2020, 2, 111-115.	1.9	15
193	Mean-Field Game Theoretic Edge Caching in Ultra-Dense Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 935-947.	6.3	15
194	Vehicular Cooperative Perception Through Action Branching and Federated Reinforcement Learning. IEEE Transactions on Communications, 2022, 70, 891-903.	7.8	15
195	Use of learning, game theory and optimization as biomimetic approaches for Self-Organization in macro-femtocell coexistence. , 2012, , .		14
196	Modeling and analysis of handover failure probability in small cell networks. , 2014, , .		14
197	Energy-Efficient Noncooperative Power Control in Small-Cell Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 7540-7547.	6.3	14
198	On Minimizing Energy Consumption for D2D Clustered Caching Networks. , 2018, , .		14

#	ARTICLE	IF	CITATIONS
199	Deep Learning Assisted CSI Estimation for Joint URLLC and eMBB Resource Allocation. , 2020, , .		14
200	Cooperative Edge Caching via Federated Deep Reinforcement Learning in Fog-RANs. , 2021, , .		14
201	Interference management for self-organized femtocells towards green networks. , 2010, , .		13
202	Dynamic clustering and sleep mode strategies for small cell networks. , 2014, , .		13
203	Multi-leader multi-follower stackelberg game among Wi-Fi, small cell and macrocell networks. , 2014, , .		13
204	Spatio-Temporal Network Dynamics Framework for Energy-Efficient Ultra-Dense Cellular Networks. , 2016, , .		13
205	A New Step Toward Evidence of In Vivo Perineural Dexamethasone Safety. Regional Anesthesia and Pain Medicine, 2017, 43, 1.	2.3	13
206	Beyond WYSIWYG: Sharing contextual sensing data through mmWave V2V communications. , 2017, , .		13
207	Fronthaul-Aware Software-Defined Wireless Networks: Resource Allocation and User Scheduling. IEEE Transactions on Wireless Communications, 2018, 17, 533-547.	9.2	13
208	Inter-Operator Resource Sharing for 3G Systems and Beyond. , 2006, , .		12
209	Optimized Caching and Spectrum Partitioning for D2D Enabled Cellular Systems With Clustered Devices. IEEE Transactions on Communications, 2020, 68, 4358-4374.	7.8	12
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