Fei Richard Yu

List of Publications by Year
in descending order

713 papers	28,879 citations	5896 81 h-index	10445 139 g-index
716 all docs	716 docs citations	716 times ranked	16600 citing authors

#	Article	IF	Citations
1	Big Data Analytics in Intelligent Transportation Systems: A Survey. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 383-398.	8.0	634
2	Software-Defined Networking (SDN) and Distributed Denial of Service (DDoS) Attacks in Cloud Computing Environments: A Survey, Some Research Issues, and Challenges. IEEE Communications Surveys and Tutorials, 2016, 18, 602-622.	39.4	599
3	Wireless Network Virtualization: A Survey, Some Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2015, 17, 358-380.	39.4	570
4	Computation Offloading and Resource Allocation in Wireless Cellular Networks With Mobile Edge Computing. IEEE Transactions on Wireless Communications, 2017, 16, 4924-4938.	9.2	560
5	A Survey of Blockchain Technology Applied to Smart Cities: Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2019, 21, 2794-2830.	39.4	477
6	Integrated Blockchain and Edge Computing Systems: A Survey, Some Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2019, 21, 1508-1532.	39.4	476
7	UAV-Assisted Emergency Networks in Disasters. IEEE Wireless Communications, 2019, 26, 45-51.	9.0	443
8	In-Band Full-Duplex Relaying: A Survey, Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2015, 17, 500-524.	39.4	427
9	A Survey of Machine Learning Techniques Applied to Software Defined Networking (SDN): Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2019, 21, 393-430.	39.4	418
10	Industrial Internet: A Survey on the Enabling Technologies, Applications, and Challenges. IEEE Communications Surveys and Tutorials, 2017, 19, 1504-1526.	39.4	334
11	Joint Computation Offloading and Interference Management in Wireless Cellular Networks with Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2017, 66, 7432-7445.	6.3	311
12	Software-Defined Networks with Mobile Edge Computing and Caching for Smart Cities: A Big Data Deep Reinforcement Learning Approach. , 2017, 55, 31-37.		295
13	Computing Resource Allocation in Three-Tier IoT Fog Networks: A Joint Optimization Approach Combining Stackelberg Game and Matching. IEEE Internet of Things Journal, 2017, 4, 1204-1215.	8.7	282
14	Enabling Massive IoT Toward 6G: A Comprehensive Survey. IEEE Internet of Things Journal, 2021, 8, 11891-11915.	8.7	282
15	UAV Trajectory Optimization for Data Offloading at the Edge of Multiple Cells. IEEE Transactions on Vehicular Technology, 2018, 67, 6732-6736.	6.3	270
16	Caching UAV Assisted Secure Transmission in Hyper-Dense Networks Based on Interference Alignment. IEEE Transactions on Communications, 2018, 66, 2281-2294.	7.8	263
17	Performance Optimization for Blockchain-Enabled Industrial Internet of Things (IIoT) Systems: A Deep Reinforcement Learning Approach. IEEE Transactions on Industrial Informatics, 2019, 15, 3559-3570.	11.3	253
18	When big data meets software-defined networking: SDN for big data and big data for SDN. IEEE Network, 2016, 30, 58-65.	6.9	238

#	Article	IF	Citations
19	Deep-Reinforcement-Learning-Based Optimization for Cache-Enabled Opportunistic Interference Alignment Wireless Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 10433-10445.	6.3	233
20	Joint Optimization of Caching, Computing, and Radio Resources for Fog-Enabled IoT Using Natural Actorâ€"Critic Deep Reinforcement Learning. IEEE Internet of Things Journal, 2019, 6, 2061-2073.	8.7	227
21	A Survey of Security Challenges in Cognitive Radio Networks: Solutions and Future Research Directions. Proceedings of the IEEE, 2012, 100, 3172-3186.	21.3	226
22	User Scheduling and Resource Allocation in HetNets With Hybrid Energy Supply: An Actor-Critic Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2018, 17, 680-692.	9.2	226
23	Cooperative Computation Offloading and Resource Allocation for Blockchain-Enabled Mobile-Edge Computing: A Deep Reinforcement Learning Approach. IEEE Internet of Things Journal, 2020, 7, 6214-6228.	8.7	224
24	Computation Offloading and Resource Allocation in Vehicular Networks Based on Dual-Side Cost Minimization. IEEE Transactions on Vehicular Technology, 2019, 68, 1079-1092.	6.3	214
25	A new method to support UMTS/WLAN vertical handover using SCTP. IEEE Wireless Communications, 2004, 11, 44-51.	9.0	213
26	A Distributed Consensus-Based Cooperative Spectrum-Sensing Scheme in Cognitive Radios. IEEE Transactions on Vehicular Technology, 2010, 59, 383-393.	6.3	209
27	Energy-Efficient Resource Allocation for Heterogeneous Cognitive Radio Networks with Femtocells. IEEE Transactions on Wireless Communications, 2012, 11, 3910-3920.	9.2	208
28	A Survey on the Scalability of Blockchain Systems. IEEE Network, 2019, 33, 166-173.	6.9	207
29	Information-centric network function virtualization over 5g mobile wireless networks. IEEE Network, 2015, 29, 68-74.	6.9	199
30	When the Smart Grid Meets Energy-Efficient Communications: Green Wireless Cellular Networks Powered by the Smart Grid. IEEE Transactions on Wireless Communications, 2012, 11, 3014-3024.	9.2	196
31	Computation Offloading and Content Caching in Wireless Blockchain Networks With Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2018, 67, 11008-11021.	6.3	193
32	Distributed denial of service attacks in software-defined networking with cloud computing. , 2015, 53, 52-59.		182
33	Adaptive Power Allocation Schemes for Spectrum Sharing in Interference-Alignment-Based Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 3700-3714.	6.3	182
34	Distributed Resource Allocation in Blockchain-Based Video Streaming Systems With Mobile Edge Computing. IEEE Transactions on Wireless Communications, 2019, 18, 695-708.	9.2	182
35	A Survey of Green Information-Centric Networking: Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2015, 17, 1455-1472.	39.4	179
36	Green Full-Duplex Self-Backhaul and Energy Harvesting Small Cell Networks With Massive MIMO. IEEE Journal on Selected Areas in Communications, 2016, 34, 3709-3724.	14.0	178

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37	Blockchain and Machine Learning for Communications and Networking Systems. IEEE Communications Surveys and Tutorials, 2020, 22, 1392-1431.	39.4	167
38	MEC-Assisted Immersive VR Video Streaming Over Terahertz Wireless Networks: A Deep Reinforcement Learning Approach. IEEE Internet of Things Journal, 2020, 7, 9517-9529.	8.7	165
39	Interference Alignment and Its Applications: A Survey, Research Issues, and Challenges. IEEE Communications Surveys and Tutorials, 2016, 18, 1779-1803.	39.4	163
40	Opportunistic communications in interference alignment networks with wireless power transfer. IEEE Wireless Communications, 2015, 22, 88-95.	9.0	161
41	Fog Vehicular Computing: Augmentation of Fog Computing Using Vehicular Cloud Computing. IEEE Vehicular Technology Magazine, 2017, 12, 55-64.	3.4	158
42	Communication systems for grid integration of renewable energy resources. IEEE Network, 2011, 25, 22-29.	6.9	155
43	Deep Q-Learning Aided Networking, Caching, and Computing Resources Allocation in Software-Defined Satellite-Terrestrial Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 5871-5883.	6.3	150
44	A Survey of Mobile Information-Centric Networking: Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2018, 20, 2353-2371.	39.4	147
45	A Multi-Level DDoS Mitigation Framework for the Industrial Internet of Things. , 2018, 56, 30-36.		143
46	Blockchain-Based Software-Defined Industrial Internet of Things: A Dueling Deep ${Q}$ -Learning Approach. IEEE Internet of Things Journal, 2019, 6, 4627-4639.	8.7	142
47	Security Enhancements for Mobile Ad Hoc Networks With Trust Management Using Uncertain Reasoning. IEEE Transactions on Vehicular Technology, 2014, 63, 4647-4658.	6.3	141
48	Big Data Analytics in Mobile Cellular Networks. IEEE Access, 2016, 4, 1985-1996.	4.2	140
49	Resource Allocation for Information-Centric Virtualized Heterogeneous Networks With In-Network Caching and Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2017, 66, 11339-11351.	6.3	140
50	Wireless virtualization for next generation mobile cellular networks. IEEE Wireless Communications, 2015, 22, 61-69.	9.0	131
51	Physical layer security issues in interference- alignment-based wireless networks. , 2016, 54, 162-168.		125
52	Satellite-Terrestrial Integrated Edge Computing Networks: Architecture, Challenges, and Open Issues. IEEE Network, 2020, 34, 224-231.	6.9	125
53	Adaptive Resource Allocation in Future Wireless Networks With Blockchain and Mobile Edge Computing. IEEE Transactions on Wireless Communications, 2020, 19, 1689-1703.	9.2	123
54	Placement and Power Allocation for NOMA-UAV Networks. IEEE Wireless Communications Letters, 2019, 8, 965-968.	5.0	121

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55	Dynamic Resource Allocation for Heterogeneous Services in Cognitive Radio Networks With Imperfect Channel Sensing. IEEE Transactions on Vehicular Technology, 2012, 61, 770-780.	6.3	119
56	Optimization or Alignment: Secure Primary Transmission Assisted by Secondary Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 905-917.	14.0	118
57	Prediction-Based Topology Control and Routing in Cognitive Radio Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 4443-4452.	6.3	117
58	Load Balancing in Data Center Networks: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 2324-2352.	39.4	115
59	Privacy-Preserving Content Dissemination for Vehicular Social Networks: Challenges and Solutions. IEEE Communications Surveys and Tutorials, 2019, 21, 1314-1345.	39.4	114
60	Resource Allocation for Ultra-Dense Networks: A Survey, Some Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2019, 21, 2134-2168.	39.4	113
61	Security and Privacy of Smart Cities: A Survey, Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2019, 21, 1718-1743.	39.4	110
62	Cross-Layer Design for TCP Performance Improvement in Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 2485-2495.	6.3	109
63	Green Cognitive Mobile Networks With Small Cells for Multimedia Communications in the Smart Grid Environment. IEEE Transactions on Vehicular Technology, 2014, 63, 2115-2126.	6.3	108
64	Exploiting Interference for Energy Harvesting: A Survey, Research Issues, and Challenges. IEEE Access, 2017, 5, 10403-10421.	4.2	107
65	Integration of Networking, Caching, and Computing in Wireless Systems: A Survey, Some Research Issues, and Challenges. IEEE Communications Surveys and Tutorials, 2018, 20, 7-38.	39.4	107
66	Cyber-Physical-Social Systems: A State-of-the-Art Survey, Challenges and Opportunities. IEEE Communications Surveys and Tutorials, 2020, 22, 389-425.	39.4	106
67	Distributed Optimal Relay Selection in Wireless Cooperative Networks With Finite-State Markov Channels. IEEE Transactions on Vehicular Technology, 2010, 59, 2149-2158.	6.3	105
68	Hybrid Half-Duplex/Full-Duplex Cooperative Non-Orthogonal Multiple Access With Transmit Power Adaptation. IEEE Transactions on Wireless Communications, 2018, 17, 506-519.	9.2	105
69	Distributed Resource Allocation and Computation Offloading in Fog and Cloud Networks With Non-Orthogonal Multiple Access. IEEE Transactions on Vehicular Technology, 2018, 67, 12137-12151.	6.3	105
70	Wireless energy harvesting in interference alignment networks. , 2015, 53, 72-78.		104
71	Cross-Layer Handoff Design in MIMO-Enabled WLANs for Communication-Based Train Control (CBTC) Systems. IEEE Journal on Selected Areas in Communications, 2012, 30, 719-728.	14.0	103
72	Applications of the Internet of Things (IoT) in Smart Logistics: A Comprehensive Survey. IEEE Internet of Things Journal, 2021, 8, 4250-4274.	8.7	102

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73	Spectrum sharing and resource allocation for energy-efficient heterogeneous cognitive radio networks with femtocells. , 2012, , .		101
74	Virtualization for Distributed Ledger Technology (vDLT). IEEE Access, 2018, 6, 25019-25028.	4.2	99
75	Optimal Transceiver Design for SWIPT in <inline-formula><tex-math notation="LaTeX">K</tex-math></inline-formula>-User MIMO Interference Channels. IEEE Transactions on Wireless Communications, 2016, 15, 430-445.	9.2	98
76	Virtual Resource Allocation in Information-Centric Wireless Networks With Virtualization. IEEE Transactions on Vehicular Technology, 2016, 65, 9902-9914.	6.3	97
77	Communications, caching, and computing oriented small cell networks with interference alignment. , 2016, 54, 29-35.		93
78	Artificial Noise Assisted Secure Interference Networks With Wireless Power Transfer. IEEE Transactions on Vehicular Technology, 2018, 67, 1087-1098.	6.3	93
79	A Survey on Cyber-Security of Connected and Autonomous Vehicles (CAVs). IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6240-6259.	8.0	93
80	A Comprehensive Survey on Blockchain in Industrial Internet of Things: Motivations, Research Progresses, and Future Challenges. IEEE Communications Surveys and Tutorials, 2022, 24, 88-122.	39.4	93
81	A Game-Theoretical Scheme in the Smart Grid With Demand-Side Management: Towards a Smart Cyber-Physical Power Infrastructure. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 22-32.	4.6	92
82	Biologically inspired consensus-based spectrum sensing in mobile Ad Hoc networks with cognitive radios. IEEE Network, 2010, 24, 26-30.	6.9	90
83	A State-of-the-Art Review on Image Synthesis With Generative Adversarial Networks. IEEE Access, 2020, 8, 63514-63537.	4.2	89
84	Secure Social Networks in 5G Systems with Mobile Edge Computing, Caching, and Device-to-Device Communications. IEEE Wireless Communications, 2018, 25, 103-109.	9.0	87
85	Over-the-Air Computation for IoT Networks: Computing Multiple Functions With Antenna Arrays. IEEE Internet of Things Journal, 2018, 5, 5296-5306.	8.7	87
86	Medium Access Control for Unmanned Aerial Vehicle (UAV) Ad-Hoc Networks With Full-Duplex Radios and Multipacket Reception Capability. IEEE Transactions on Vehicular Technology, 2013, 62, 390-394.	6.3	86
87	Exploiting Adversarial Jamming Signals for Energy Harvesting in Interference Networks. IEEE Transactions on Wireless Communications, 2017, 16, 1267-1280.	9.2	86
88	A Survey on Access Control in Fog Computing. , 2018, 56, 144-149.		86
89	Fast, Reliable, and Secure Drone Communication: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 2802-2832.	39.4	84
90	Interference-Aware Energy-Efficient Resource Allocation for OFDMA-Based Heterogeneous Networks With Incomplete Channel State Information. IEEE Transactions on Vehicular Technology, 2015, 64, 1036-1050.	6.3	83

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91	A Survey on Multi-Access Edge Computing Applied to Video Streaming: Some Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 871-903.	39.4	83
92	Interference Alignment Based on Antenna Selection With Imperfect Channel State Information in Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 5497-5511.	6.3	81
93	A survey of energy-efficient caching in information-centric networking. , 2014, 52, 122-129.		79
94	Dynamic Service Function Chain Embedding for NFV-Enabled IoT: A Deep Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2020, 19, 507-519.	9.2	78
95	Device-Free Wireless Sensing for Human Detection: The Deep Learning Perspective. IEEE Internet of Things Journal, 2021, 8, 2517-2539.	8.7	78
96	A Mean Field Game Theoretic Approach for Security Enhancements in Mobile Ad hoc Networks. IEEE Transactions on Wireless Communications, 2014, 13, 1616-1627.	9.2	77
97	A Survey on Large-Scale Software Defined Networking (SDN) Testbeds: Approaches and Challenges. IEEE Communications Surveys and Tutorials, 2017, 19, 891-917.	39.4	75
98	Virtual Resource Allocation for Heterogeneous Services in Full Duplex-Enabled SCNs With Mobile Edge Computing and Caching. IEEE Transactions on Vehicular Technology, 2018, 67, 1794-1808.	6.3	75
99	Intelligent Trajectory Design in UAV-Aided Communications With Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2019, 68, 8227-8231.	6.3	75
100	Decentralized Resource Allocation for Video Transcoding and Delivery in Blockchain-Based System With Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2019, 68, 11169-11185.	6.3	75
101	A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 5876-5888.	6.3	75
102	Resource Optimization for Delay-Tolerant Data in Blockchain-Enabled IoT With Edge Computing: A Deep Reinforcement Learning Approach. IEEE Internet of Things Journal, 2020, 7, 9399-9412.	8.7	74
103	Robust Federated Learning With Noisy Communication. IEEE Transactions on Communications, 2020, 68, 3452-3464.	7.8	73
104	Joint Optimization of Radio and Computational Resources Allocation in Blockchain-Enabled Mobile Edge Computing Systems. IEEE Transactions on Wireless Communications, 2020, 19, 4321-4334.	9.2	73
105	Software Defined Networking, Caching, and Computing for Green Wireless Networks. , 2016, 54, 185-193.		72
106	Vehicular Blockchain-Based Collective Learning for Connected and Autonomous Vehicles. IEEE Wireless Communications, 2020, 27, 197-203.	9.0	72
107	A Survey on Compressed Sensing in Vehicular Infotainment Systems. IEEE Communications Surveys and Tutorials, 2017, 19, 2662-2680.	39.4	71
108	Attribute-based data access control in mobile cloud computing: Taxonomy and open issues. Future Generation Computer Systems, 2017, 72, 273-287.	7.5	71

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109	Defense against spectrum sensing data falsification attacks in mobile ad hoc networks with cognitive radios. , 2009, , .		70
110	Cell switch off technique combined with coordinated multi-point (CoMP) transmission for energy efficiency in beyond-LTE cellular networks. , 2012, , .		70
111	Finite-State Markov Modeling for Wireless Channels in Tunnel Communication-Based Train Control Systems. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 1083-1090.	8.0	70
112	Blockchain-Based Distributed Software-Defined Vehicular Networks: A Dueling Deep ${Q}$ -Learning Approach. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1086-1100.	7.9	70
113	Computation Offloading and Resource Allocation for Wireless Powered Mobile Edge Computing With Latency Constraint. IEEE Wireless Communications Letters, 2019, 8, 1320-1323.	5.0	69
114	Enabling Low-Latency Applications in LTE-A Based Mixed Fog/Cloud Computing Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 1757-1771.	6.3	69
115	Blockchain and smart contract for access control in healthcare: A survey, issues and challenges, and open issues. Journal of Network and Computer Applications, 2021, 178, 102950.	9.1	69
116	Distributed Virtual Resource Allocation in Small-Cell Networks With Full-Duplex Self-Backhauls and Virtualization. IEEE Transactions on Vehicular Technology, 2016, 65, 5410-5423.	6.3	68
117	Networking Integrated Cloud–Edge–End in IoT: A Blockchain-Assisted Collective Q-Learning Approach. IEEE Internet of Things Journal, 2021, 8, 12694-12704.	8.7	67
118	Vehicle Position Correction: A Vehicular Blockchain Networks-Based GPS Error Sharing Framework. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 898-912.	8.0	67
119	Software-Defined Device-to-Device (D2D) Communications in Virtual Wireless Networks With Imperfect Network State Information (NSI). IEEE Transactions on Vehicular Technology, 2016, 65, 7349-7360.	6.3	66
120	Cache-Enabled Adaptive Video Streaming Over Vehicular Networks: A Dynamic Approach. IEEE Transactions on Vehicular Technology, 2018, 67, 5445-5459.	6.3	66
121	Trust-Based Social Networks with Computing, Caching and Communications: A Deep Reinforcement Learning Approach. IEEE Transactions on Network Science and Engineering, 2020, 7, 66-79.	6.4	66
122	Distributed Combined Authentication and Intrusion Detection With Data Fusion in High-Security Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 1025-1036.	6.3	65
123	A Novel Interference Alignment Scheme Based on Sequential Antenna Switching in Wireless Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5008-5021.	9.2	65
124	Adaptive Video Streaming With Edge Caching and Video Transcoding Over Software-Defined Mobile Networks: A Deep Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2020, 19, 1577-1592.	9.2	65
125	QoS-aware dynamic resource management in heterogeneous mobile cloud computing networks. China Communications, 2014, 11, 144-159.	3.2	63
126	AgriSegNet: Deep Aerial Semantic Segmentation Framework for IoT-Assisted Precision Agriculture. IEEE Sensors Journal, 2021, 21, 17581-17590.	4.7	63

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127	Energy-Efficient Distributed Relay and Power Control in Cognitive Radio Cooperative Communications. IEEE Journal on Selected Areas in Communications, 2013, 31, 2442-2452.	14.0	62
128	Cloud computing meets mobile wireless communications in next generation cellular networks. IEEE Network, 2014, 28, 54-59.	6.9	62
129	Joint Cloud and Wireless Networks Operations in Mobile Cloud Computing Environments With Telecom Operator Cloud. IEEE Transactions on Wireless Communications, 2015, 14, 4020-4033.	9.2	62
130	Adaptive Energy-Efficient Power Allocation in Green Interference-Alignment-Based Wireless Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 4268-4281.	6.3	62
131	Grouping and Cooperating Among Access Points in User-Centric Ultra-Dense Networks With Non-Orthogonal Multiple Access. IEEE Journal on Selected Areas in Communications, 2017, 35, 2295-2311.	14.0	62
132	Enhancing QoE-Aware Wireless Edge Caching With Software-Defined Wireless Networks. IEEE Transactions on Wireless Communications, 2017, 16, 6912-6925.	9.2	62
133	Handoff Performance Improvements in MIMO-Enabled Communication-Based Train Control Systems. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 582-593.	8.0	61
134	Dynamic IoT Device Clustering and Energy Management With Hybrid NOMA Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 4622-4630.	11.3	61
135	Fog computing in multi-tier data center networks: A hierarchical game approach. , 2016, , .		60
136	Blockchain-Enabled Cross-Domain Object Detection for Autonomous Driving: A Model Sharing Approach. IEEE Internet of Things Journal, 2020, 7, 3681-3692.	8.7	60
137	Semi-Distributed Resource Management in UAV-Aided MEC Systems: A Multi-Agent Federated Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2021, 70, 13162-13173.	6.3	60
138	Anti-Eavesdropping Schemes for Interference Alignment (IA)-Based Wireless Networks. IEEE Transactions on Wireless Communications, 2016, 15, 5719-5732.	9.2	59
139	An Adaptive Wireless Virtual Reality Framework in Future Wireless Networks: A Distributed Learning Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 8514-8528.	6.3	59
140	Deep Reinforcement Learning (DRL)-Based Device-to-Device (D2D) Caching With Blockchain and Mobile Edge Computing. IEEE Transactions on Wireless Communications, 2020, 19, 6469-6485.	9.2	59
141	Blockchain-Enabled Internet of Vehicles With Cooperative Positioning: A Deep Neural Network Approach. IEEE Internet of Things Journal, 2020, 7, 3485-3498.	8.7	59
142	Communication-Based Train Control (CBTC) Systems With Cooperative Relaying: Design and Performance Analysis. IEEE Transactions on Vehicular Technology, 2014, 63, 2162-2172.	6.3	57
143	Dynamic Operations of Cloud Radio Access Networks (C-RAN) for Mobile Cloud Computing Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 1536-1548.	6.3	57
144	Auditing Big Data Storage in Cloud Computing Using Divide and Conquer Tables. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 999-1012.	5.6	57

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145	Resource Allocation and Basestation Placement in Downlink Cellular Networks Assisted by Multiple Wireless Powered UAVs. IEEE Transactions on Vehicular Technology, 2020, 69, 2171-2184.	6.3	57
146	Toward Communication-Efficient Federated Learning in the Internet of Things With Edge Computing. IEEE Internet of Things Journal, 2020, 7, 11053-11067.	8.7	57
147	Task Offloading for Wireless VR-Enabled Medical Treatment With Blockchain Security Using Collective Reinforcement Learning. IEEE Internet of Things Journal, 2021, 8, 15749-15761.	8.7	56
148	Optimal combined intrusion detection and biometric-based continuous authentication in high security mobile ad hoc networks. IEEE Transactions on Wireless Communications, 2009, 8, 806-815.	9.2	55
149	Optimal Cooperative Internetwork Spectrum Sharing for Cognitive Radio Systems With Spectrum Pooling. IEEE Transactions on Vehicular Technology, 2010, 59, 1760-1768.	6.3	55
150	Virtual Resource Allocation in Software-Defined Information-Centric Cellular Networks With Device-to-Device Communications and Imperfect CSI. IEEE Transactions on Vehicular Technology, 2016, 65, 10011-10021.	6.3	55
151	A Cooperative Spectrum Sensing Consensus Scheme in Cognitive Radios. , 2009, , .		54
152	Transport Control Strategies in Named Data Networking: A Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 2052-2083.	39.4	54
153	Joint Resource Allocation for Software-Defined Networking, Caching, and Computing. IEEE/ACM Transactions on Networking, 2018, 26, 274-287.	3.8	54
154	Caching Unmanned Aerial Vehicle-Enabled Small-Cell Networks: Employing Energy-Efficient Methods That Store and Retrieve Popular Content. IEEE Vehicular Technology Magazine, 2019, 14, 71-79.	3.4	54
155	Blockchain-Enabled Software-Defined Industrial Internet of Things With Deep Reinforcement Learning. IEEE Internet of Things Journal, 2020, 7, 5466-5480.	8.7	54
156	Dynamic Network Slicing and Resource Allocation in Mobile Edge Computing Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 7863-7878.	6.3	54
157	Communication-Based Train Control System Performance Optimization Using Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2017, 66, 10705-10717.	6.3	53
158	Service Function Chain Embedding for NFV-Enabled IoT Based on Deep Reinforcement Learning. IEEE Communications Magazine, 2019, 57, 102-108.	6.1	52
159	Topology control in mobile Ad Hoc networks with cooperative communications. IEEE Wireless Communications, 2012, 19, 74-79.	9.0	50
160	Cross-Layer Defense Methods for Jamming-Resistant CBTC Systems. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7266-7278.	8.0	50
161	A Hierarchical Identity Based Key Management Scheme in Tactical Mobile Ad Hoc Networks. IEEE Transactions on Network and Service Management, 2010, 7, 258-267.	4.9	49
162	Structural Results for Combined Continuous User Authentication and Intrusion Detection in High Security Mobile Ad-Hoc Networks. IEEE Transactions on Wireless Communications, 2011, 10, 3064-3073.	9.2	49

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163	Optimization of cache-enabled opportunistic interference alignment wireless networks: A big data deep reinforcement learning approach. , 2017, , .		49
164	Resource-Ability Assisted Service Function Chain Embedding and Scheduling for 6G Networks With Virtualization. IEEE Transactions on Vehicular Technology, 2021, 70, 3846-3859.	6.3	49
165	A Cross-Layer Defense Scheme for Edge Intelligence-Enabled CBTC Systems Against MitM Attacks. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2286-2298.	8.0	49
166	Joint computation offloading and content caching for wireless blockchain networks. , 2018, , .		48
167	Artificial Intelligence (AI)-Empowered Intrusion Detection Architecture for the Internet of Vehicles. IEEE Wireless Communications, 2021, 28, 144-149.	9.0	48
168	Height Optimization and Resource Allocation for NOMA Enhanced UAV-Aided Relay Networks. IEEE Transactions on Communications, 2021, 69, 962-975.	7.8	48
169	Secure Transmission via Beamforming Optimization for NOMA Networks. IEEE Wireless Communications, 2020, 27, 193-199.	9.0	47
170	A Parking Slot Allocation Framework Based on Virtual Voting and Adaptive Pricing Algorithm. IEEE Transactions on Vehicular Technology, 2020, 69, 5945-5957.	6.3	47
171	Directional Sensor Placement with Optimal Sensing Range, Field of View and Orientation. Mobile Networks and Applications, 2010, 15, 216-225.	3.3	46
172	Cross-Layer Design for Video Transmissions in Metro Passenger Information Systems. IEEE Transactions on Vehicular Technology, 2011, 60, 1171-1181.	6.3	46
173	Intelligent Resource Allocation for Video Analytics in Blockchain-Enabled Internet of Autonomous Vehicles With Edge Computing. IEEE Internet of Things Journal, 2022, 9, 14260-14272.	8.7	46
174	Cooperative Caching and Transmission in CoMP-Integrated Cellular Networks Using Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 5508-5520.	6.3	46
175	Decentralized Computation Offloading in IoT Fog Computing System With Energy Harvesting: A Dec-POMDP Approach. IEEE Internet of Things Journal, 2020, 7, 4898-4911.	8.7	46
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