

Nei Kato

List of Publications by Year in descending order

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429
papers

19,121
citations

12303

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16605

123
g-index

444
all docs

444
docs citations

444
times ranked

12213
citing authors

#	ARTICLE	IF	CITATIONS
1	Space-Air-Ground Integrated Network: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 2714-2741.	24.8	634
2	State-of-the-Art Deep Learning: Evolving Machine Intelligence Toward Tomorrow's Intelligent Network Traffic Control Systems. IEEE Communications Surveys and Tutorials, 2017, 19, 2432-2455.	24.8	611
3	Device-to-Device Communication in LTE-Advanced Networks: A Survey. IEEE Communications Surveys and Tutorials, 2015, 17, 1923-1940.	24.8	541
4	Toward intelligent machine-to-machine communications in smart grid. , 2011, 49, 60-65.		445
5	6G: Opening New Horizons for Integration of Comfort, Security, and Intelligence. IEEE Wireless Communications, 2020, 27, 126-132.	6.6	442
6	Future Intelligent and Secure Vehicular Network Toward 6G: Machine-Learning Approaches. Proceedings of the IEEE, 2020, 108, 292-307.	16.4	404
7	A Lightweight Message Authentication Scheme for Smart Grid Communications. IEEE Transactions on Smart Grid, 2011, 2, 675-685.	6.2	390
8	A survey of routing attacks in mobile ad hoc networks. IEEE Wireless Communications, 2007, 14, 85-91.	6.6	367
9	A Stable Routing Protocol to Support ITS Services in VANET Networks. IEEE Transactions on Vehicular Technology, 2007, 56, 3337-3347.	3.9	346
10	The Deep Learning Vision for Heterogeneous Network Traffic Control: Proposal, Challenges, and Future Perspective. IEEE Wireless Communications, 2017, 24, 146-153.	6.6	343
11	Relay-by-smartphone: realizing multihop device-to-device communications. , 2014, 52, 56-65.		322
12	Networking and Communications in Autonomous Driving: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 1243-1274.	24.8	319
13	Hybrid Method for Minimizing Service Delay in Edge Cloud Computing Through VM Migration and Transmission Power Control. IEEE Transactions on Computers, 2017, 66, 810-819.	2.4	313
14	A Survey on Network Methodologies for Real-Time Analytics of Massive IoT Data and Open Research Issues. IEEE Communications Surveys and Tutorials, 2017, 19, 1457-1477.	24.8	300
15	Routing or Computing? The Paradigm Shift Towards Intelligent Computer Network Packet Transmission Based on Deep Learning. IEEE Transactions on Computers, 2017, 66, 1946-1960.	2.4	275
16	Optimizing Space-Air-Ground Integrated Networks by Artificial Intelligence. IEEE Wireless Communications, 2019, 26, 140-147.	6.6	272
17	Smart Resource Allocation for Mobile Edge Computing: A Deep Reinforcement Learning Approach. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1529-1541.	3.2	252
18	Ten Challenges in Advancing Machine Learning Technologies toward 6G. IEEE Wireless Communications, 2020, 27, 96-103.	6.6	248

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19	Mobile-Edge Computation Offloading for Ultradense IoT Networks. IEEE Internet of Things Journal, 2018, 5, 4977-4988.	5.5	238
20	AC-POCA: Anticoordination Game Based Partially Overlapping Channels Assignment in Combined UAV and D2D-Based Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 1672-1683.	3.9	237
21	Device-to-device communications achieve efficient load balancing in LTE-advanced networks. IEEE Wireless Communications, 2014, 21, 57-65.	6.6	202
22	An Intelligent Traffic Load Prediction-Based Adaptive Channel Assignment Algorithm in SDN-IoT: A Deep Learning Approach. IEEE Internet of Things Journal, 2018, 5, 5141-5154.	5.5	198
23	On Removing Routing Protocol from Future Wireless Networks: A Real-time Deep Learning Approach for Intelligent Traffic Control. IEEE Wireless Communications, 2018, 25, 154-160.	6.6	197
24	On the Outage Probability of Device-to-Device-Communication-Enabled Multichannel Cellular Networks: An RSS-Threshold-Based Perspective. IEEE Journal on Selected Areas in Communications, 2016, 34, 163-175.	9.7	184
25	Toward secure targeted broadcast in smart grid. IEEE Communications Magazine, 2012, 50, 150-156.	4.9	177
26	Sage: a strong privacy-preserving scheme against global eavesdropping for ehealth systems. IEEE Journal on Selected Areas in Communications, 2009, 27, 365-378.	9.7	176
27	A dynamic trajectory control algorithm for improving the communication throughput and delay in UAV-aided networks. IEEE Network, 2016, 30, 100-105.	4.9	175
28	Device-to-device communications for enhancing quality of experience in software defined multi-tier LTE-A networks. IEEE Network, 2015, 29, 46-52.	4.9	172
29	A handwritten character recognition system using directional element feature and asymmetric Mahalanobis distance. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 258-262.	9.7	169
30	Envisioning Device-to-Device Communications in 6G. IEEE Network, 2020, 34, 86-91.	4.9	165
31	Machine Learning Meets Computation and Communication Control in Evolving Edge and Cloud: Challenges and Future Perspective. IEEE Communications Surveys and Tutorials, 2020, 22, 38-67.	24.8	164
32	GTES: An Optimized Game-Theoretic Demand-Side Management Scheme for Smart Grid. IEEE Systems Journal, 2014, 8, 588-597.	2.9	156
33	On the Partially Overlapped Channel Assignment on Wireless Mesh Network Backbone: A Game Theoretic Approach. IEEE Journal on Selected Areas in Communications, 2012, 30, 119-127.	9.7	154
34	Cloudlets Activation Scheme for Scalable Mobile Edge Computing with Transmission Power Control and Virtual Machine Migration. IEEE Transactions on Computers, 2018, 67, 1287-1300.	2.4	154
35	Generalized Two-Hop Relay for Flexible Delay Control in MANETs. IEEE/ACM Transactions on Networking, 2012, 20, 1950-1963.	2.6	151
36	A Survey on Space-Air-Ground-Sea Integrated Network Security in 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 53-87.	24.8	140

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37	Joint Placement of Controllers and Gateways in SDN-Enabled 5G-Satellite Integrated Network. IEEE Journal on Selected Areas in Communications, 2018, 36, 221-232.	9.7	134
38	AI-Based Joint Optimization of QoS and Security for 6G Energy Harvesting Internet of Things. IEEE Internet of Things Journal, 2020, 7, 7032-7042.	5.5	132
39	Disaster-resilient networking: a new vision based on movable and deployable resource units. IEEE Network, 2013, 27, 40-46.	4.9	130
40	Smart and Resilient EV Charging in SDN-Enhanced Vehicular Edge Computing Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 217-228.	9.7	130
41	A Deep-Learning-Based Radio Resource Assignment Technique for 5G Ultra Dense Networks. IEEE Network, 2018, 32, 28-34.	4.9	128
42	New Perspectives on Future Smart FiWi Networks: Scalability, Reliability, and Energy Efficiency. IEEE Communications Surveys and Tutorials, 2016, 18, 1045-1072.	24.8	118
43	DTRAB: Combating Against Attacks on Encrypted Protocols Through Traffic-Feature Analysis. IEEE/ACM Transactions on Networking, 2010, 18, 1234-1247.	2.6	117
44	When Machine Learning Meets Privacy in 6G: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 2694-2724.	24.8	111
45	Toward Energy Efficient Big Data Gathering in Densely Distributed Sensor Networks. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 388-397.	3.2	110
46	Intelligent Reflecting Surface Placement Optimization in Air-Ground Communication Networks Toward 6G. IEEE Wireless Communications, 2020, 27, 146-151.	6.6	109
47	Deep Reinforcement Learning for Dynamic Uplink/Downlink Resource Allocation in High Mobility 5G HetNet. IEEE Journal on Selected Areas in Communications, 2020, 38, 2773-2782.	9.7	109
48	Optimal Edge Resource Allocation in IoT-Based Smart Cities. IEEE Network, 2019, 33, 30-35.	4.9	104
49	AI Models for Green Communications Towards 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 210-247.	24.8	104
50	An early warning system against malicious activities for smart grid communications. IEEE Network, 2011, 25, 50-55.	4.9	98
51	A Dynamic Anomaly Detection Scheme for AODV-Based Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 2471-2481.	3.9	97
52	Toward Optimized Traffic Distribution for Efficient Network Capacity Utilization in Two-Layered Satellite Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 1303-1313.	3.9	97
53	On a Novel Deep-Learning-Based Intelligent Partially Overlapping Channel Assignment in SDN-IoT. IEEE Communications Magazine, 2018, 56, 80-86.	4.9	97
54	A Novel Non-Supervised Deep-Learning-Based Network Traffic Control Method for Software Defined Wireless Networks. IEEE Wireless Communications, 2018, 25, 74-81.	6.6	96

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55	Extending the lifetime of wireless sensor networks: A hybrid routing algorithm. Computer Communications, 2012, 35, 1056-1063.	3.1	95
56	Comprehensive Survey on Machine Learning in Vehicular Network: Technology, Applications and Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 2027-2057.	24.8	92
57	GT-CFS: A Game Theoretic Coalition Formulation Strategy for Reducing Power Loss in Micro Grids. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2307-2317.	4.0	91
58	Routing for Crowd Management in Smart Cities: A Deep Reinforcement Learning Perspective. IEEE Communications Magazine, 2019, 57, 88-93.	4.9	91
59	Automobile Driver Fingerprinting: A New Machine Learning Based Authentication Scheme. IEEE Transactions on Industrial Informatics, 2020, 16, 1417-1426.	7.2	89
60	Survey on Machine Learning for Intelligent End-to-End Communication Toward 6G: From Network Access, Routing to Traffic Control and Streaming Adaption. IEEE Communications Surveys and Tutorials, 2021, 23, 1578-1598.	24.8	86
61	Optimizing Computation Offloading in Satellite-UAV-Served 6G IoT: A Deep Learning Approach. IEEE Network, 2021, 35, 102-108.	4.9	85
62	HYMN: A Novel Hybrid Multi-Hop Routing Algorithm to Improve the Longevity of WSNs. IEEE Transactions on Wireless Communications, 2012, 11, 2531-2541.	6.1	81
63	A Mobility Analytical Framework for Big Mobile Data in Densely Populated Area. IEEE Transactions on Vehicular Technology, 2017, 66, 1443-1455.	3.9	78
64	Reliability evaluation for NFV deployment of future mobile broadband networks. IEEE Wireless Communications, 2016, 23, 90-96.	6.6	77
65	A Novel Scheme for WSN Sink Mobility Based on Clustering and Set Packing Techniques. IEEE Transactions on Automatic Control, 2011, 56, 2381-2389.	3.6	76
66	LTRT: An efficient and reliable topology control algorithm for ad-hoc networks. IEEE Transactions on Wireless Communications, 2009, 8, 6050-6058.	6.1	75
67	On A Novel Adaptive UAV-Mounted Cloudlet-Aided Recommendation System for LBSNs. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 565-577.	3.2	75
68	Delay and Capacity in Ad Hoc Mobile Networks with f-cast Relay Algorithms. IEEE Transactions on Wireless Communications, 2011, 10, 2738-2751.	6.1	74
69	An Intelligent Route Computation Approach Based on Real-Time Deep Learning Strategy for Software Defined Communication Systems. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1554-1565.	3.2	73
70	A Cross-Domain SDN Architecture for Multi-Layered Space-Terrestrial Integrated Networks. IEEE Network, 2019, 33, 29-35.	4.9	73
71	Load Balancing and QoS Provisioning Based on Congestion Prediction for GEO/LEO Hybrid Satellite Networks. Proceedings of the IEEE, 2011, 99, 1998-2007.	16.4	72
72	Effective Data Collection Via Satellite-Routed Sensor System (SRSS) to Realize Global-Scaled Internet of Things. IEEE Sensors Journal, 2013, 13, 3645-3654.	2.4	71

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73	An optimal data collection technique for improved utility in UAS-aided networks. , 2014, , .		71
74	Aeronautical ad hoc networks. , 2006, , .		70
75	A Traffic Distribution Technique to Minimize Packet Delivery Delay in Multilayered Satellite Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 3315-3324.	3.9	70
76	Fault-resilient sensing in wireless sensor networks. Computer Communications, 2007, 30, 2375-2384.	3.1	69
77	HCP: Heterogeneous Computing Platform for Federated Learning Based Collaborative Content Caching Towards 6G Networks. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 112-123.	3.2	67
78	A MPCP-Based Centralized Rate Control Method for Mobile Stations in FiWi Access Networks. IEEE Wireless Communications Letters, 2015, 4, 205-208.	3.2	65
79	Bringing movable and deployable networks to disaster areas: development and field test of MDRU. IEEE Network, 2016, 30, 86-91.	4.9	63
80	TSP Security in Intelligent and Connected Vehicles: Challenges and Solutions. IEEE Wireless Communications, 2019, 26, 125-131.	6.6	63
81	A survey of game theoretic approaches in smart grid. , 2011, , .		62
82	On Minimizing the Impact of Mobility on Topology Control in Mobile Ad Hoc Networks. IEEE Transactions on Wireless Communications, 2012, 11, 1158-1166.	6.1	61
83	A Feedback Control-Based Crowd Dynamics Management in IoT System. IEEE Internet of Things Journal, 2017, 4, 1466-1476.	5.5	60
84	Supporting IP/LEO Satellite Networks by Handover-Independent IP Mobility Management. IEEE Journal on Selected Areas in Communications, 2004, 22, 300-307.	9.7	58
85	Effective Delay-Controlled Load Distribution over Multipath Networks. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1730-1741.	4.0	58
86	Intrusion detection system (IDS) for combating attacks against cognitive radio networks. IEEE Network, 2013, 27, 51-56.	4.9	58
87	Optimal Satellite Gateway Placement in Space-Ground Integrated Networks. IEEE Network, 2018, 32, 32-37.	4.9	58
88	Relay by Smart Device: Innovative Communications for Efficient Information Sharing Among Vehicles and Pedestrians. IEEE Vehicular Technology Magazine, 2015, 10, 54-62.	2.8	57
89	On Optimally Reducing Power Loss in Micro-grids With Power Storage Devices. IEEE Journal on Selected Areas in Communications, 2014, 32, 1361-1370.	9.7	56
90	Virtual Cell Based Resource Allocation for Efficient Frequency Utilization in Unmanned Aircraft Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3495-3504.	3.9	55

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91	Machine Learning-Enabled Cooperative Spectrum Sensing for Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2020, 19, 5692-5702.	6.1	55
92	An efficient vehicle-heading based routing protocol for VANET networks. , 2006, , .		54
93	On Load Distribution over Multipath Networks. IEEE Communications Surveys and Tutorials, 2011, , .	24.8	54
94	Cluster-Based Certificate Revocation with Vindication Capability for Mobile Ad Hoc Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 239-249.	4.0	54
95	Toward Future Unmanned Aerial Vehicle Networks: Architecture, Resource Allocation and Field Experiments. IEEE Wireless Communications, 2019, 26, 94-99.	6.6	54
96	Cross-Layer Data Delivery in Satellite-Aerial-Terrestrial Communication. IEEE Wireless Communications, 2018, 25, 138-143.	6.6	52
97	Edge Cloud Server Deployment With Transmission Power Control Through Machine Learning for 6G Internet of Things. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 2099-2108.	3.2	52
98	Bandwidth Aggregation-Aware Dynamic QoS Negotiation for Real-Time Video Streaming in Next-Generation Wireless Networks. IEEE Transactions on Multimedia, 2009, 11, 1082-1093.	5.2	51
99	An Energy-Efficient and Delay-Aware Wireless Computing System for Industrial Wireless Sensor Networks. IEEE Access, 2015, 3, 1026-1035.	2.6	51
100	A Novel Embedding Method for Information Diffusion Prediction in Social Network Big Data. IEEE Transactions on Industrial Informatics, 2017, 13, 2097-2105.	7.2	51
101	Toward Robust and Intelligent Drone Swarm: Challenges and Future Directions. IEEE Network, 2020, 34, 278-283.	4.9	51
102	Recent trends in IP/NGEO satellite communication systems: transport, routing, and mobility management concerns. IEEE Wireless Communications, 2005, 12, 63-69.	6.6	50
103	A Deep Reinforcement Learning-Based Dynamic Traffic Offloading in Space-Air-Ground Integrated Networks (SAGIN). IEEE Journal on Selected Areas in Communications, 2022, 40, 276-289.	9.7	49
104	A stochastic geometry analysis of D2D overlaying multi-channel downlink cellular networks. , 2015, , .		48
105	Optimal Satellite Gateway Placement in Space-Ground Integrated Network for Latency Minimization With Reliability Guarantee. IEEE Wireless Communications Letters, 2018, 7, 174-177.	3.2	48
106	AI-Enhanced Cooperative Spectrum Sensing for Non-Orthogonal Multiple Access. IEEE Wireless Communications, 2020, 27, 173-179.	6.6	48
107	Blockchain-Based Trust Management for Internet of Vehicles. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1397-1409.	3.2	48
108	Toward Fair Maximization of Energy Efficiency in Multiple UAS-Aided Networks: A Game-Theoretic Methodology. IEEE Transactions on Wireless Communications, 2015, 14, 305-316.	6.1	46

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109	Attacker Identification and Intrusion Detection for In-Vehicle Networks. IEEE Communications Letters, 2019, 23, 1927-1930.	2.5	46
110	NIS01-2: A Collusion Attack Against OLSR-based Mobile Ad Hoc Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	44
111	Reinforcement Learning-Based Radio Resource Control in 5G Vehicular Network. IEEE Wireless Communications Letters, 2020, 9, 611-614.	3.2	44
112	Reliability Assessment for Wireless Mesh Networks Under Probabilistic Region Failure Model. IEEE Transactions on Vehicular Technology, 2011, 60, 2253-2264.	3.9	43
113	Internet of Things (IoT): Present State and Future Prospects. IEICE Transactions on Information and Systems, 2014, E97.D, 2568-2575.	0.4	43
114	Construction of a Flexibility Analysis Model for Flexible High-Throughput Satellite Communication Systems With a Digital Channelizer. IEEE Transactions on Vehicular Technology, 2018, 67, 2097-2107.	3.9	43
115	Threshold Tuning-Based Wearable Sensor Fault Detection for Reliable Medical Monitoring Using Bayesian Network Model. IEEE Systems Journal, 2018, 12, 1886-1896.	2.9	43
116	Blockchain-Based Key Management for Heterogeneous Flying Ad Hoc Network. IEEE Transactions on Industrial Informatics, 2021, 17, 7629-7638.	7.2	42
117	Energy Consumption Minimization for FiWi Enhanced LTE-A HetNets with UE Connection Constraint. , 2016, 54, 56-62.		41
118	A Markovian Analysis for Explicit Probabilistic Stopping-Based Information Propagation in Postdisaster Ad Hoc Mobile Networks. IEEE Transactions on Wireless Communications, 2016, 15, 81-90.	6.1	41
119	Efficient Resource Allocation Utilizing Q-Learning in Multiple UA Communications. IEEE Transactions on Network Science and Engineering, 2019, 6, 293-302.	4.1	40
120	On Intelligent Traffic Control for Large-Scale Heterogeneous Networks: A Value Matrix-Based Deep Learning Approach. IEEE Communications Letters, 2018, 22, 2479-2482.	2.5	39
121	Device-to-Device Communication Overlaying Two-Hop Multi-Channel Uplink Cellular Networks. , 2015, , .		37
122	Harvesting and Threat Aware Security Configuration Strategy for IEEE 802.15.4 Based IoT Networks. IEEE Communications Letters, 2019, 23, 2130-2134.	2.5	37
123	Adaptive Power Resource Allocation With Multi-Beam Directivity Control in High-Throughput Satellite Communication Systems. IEEE Wireless Communications Letters, 2019, 8, 1248-1251.	3.2	37
124	SAT04-3: ELB: An Explicit Load Balancing Routing Protocol for Multi-Hop N GEO Satellite Constellations. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	36
125	Exact throughput capacity under power control in mobile ad hoc networks. , 2012, , .		36
126	GT-QoSec: A Game-Theoretic Joint Optimization of QoS and Security for Differentiated Services in Next Generation Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2017, 16, 1037-1050.	6.1	36

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127	Prospects and challenges of context-aware multimedia content delivery in cooperative satellite and terrestrial networks. , 2014, 52, 55-61.		35
128	Offloading Decision for Mobile Multi-Access Edge Computing in a Multi-Tiered 6G Network. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 1414-1427.	3.2	35
129	An Explicit and Fair Window Adjustment Method to Enhance TCP Efficiency and Fairness Over Multihops Satellite Networks. IEEE Journal on Selected Areas in Communications, 2004, 22, 371-387.	9.7	34
130	A cloud radio access network with power over fiber toward 5G networks: QoE-guaranteed design and operation. IEEE Wireless Communications, 2015, 22, 58-64.	6.6	34
131	Distributed Q-Learning Aided Uplink Grant-Free NOMA for Massive Machine-Type Communications. IEEE Journal on Selected Areas in Communications, 2021, 39, 2029-2041.	9.7	34
132	A Tensor Based Deep Learning Technique for Intelligent Packet Routing. , 2017, , .		33
133	Intelligent Reflecting Surface-Aided Vehicular Networks Toward 6G: Vision, Proposal, and Future Directions. IEEE Vehicular Technology Magazine, 2021, 16, 48-56.	2.8	33
134	DAPA: Capacity Optimization in Wireless Networks Through a Combined Design of Density of Access Points and Partially Overlapped Channel Allocation. IEEE Transactions on Vehicular Technology, 2016, 65, 3715-3722.	3.9	32
135	Effectively Collecting Data for the Location-Based Authentication in Internet of Things. IEEE Systems Journal, 2017, 11, 1403-1411.	2.9	32
136	Postdisaster User Location Maneuvering Method for Improving the QoE Guaranteed Service Time in Energy Harvesting Small Cell Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 9410-9420.	3.9	32
137	Efficient Power Control for Satellite-Borne Batteries Using Q-Learning in Low-Earth-Orbit Satellite Constellations. IEEE Wireless Communications Letters, 2020, 9, 809-812.	3.2	32
138	Application of Cybertwin for Offloading in Mobile Multiaccess Edge Computing for 6G Networks. IEEE Internet of Things Journal, 2021, 8, 16231-16242.	5.5	31
139	Toward Smart and Secure V2X Communication in 5G and Beyond: A UAV-Enabled Aerial Intelligent Reflecting Surface Solution. IEEE Vehicular Technology Magazine, 2022, 17, 66-73.	2.8	31
140	A Novel Radio Resource Optimization Method for Relay-Based Unmanned Aerial Vehicles. IEEE Transactions on Wireless Communications, 2018, 17, 7352-7363.	6.1	30
141	Energy-Efficient Group Paging Mechanism for QoS Constrained Mobile IoT Devices Over LTE-A Pro Networks Under 5G. IEEE Internet of Things Journal, 2019, 6, 9187-9199.	5.5	30
142	Smart FiWi Networks: Challenges and Solutions for QoS and Green Communications. IEEE Intelligent Systems, 2013, 28, 86-91.	4.0	29
143	A Spectrum- and Energy-Efficient Scheme for Improving the Utilization of MDRU-Based Disaster Resilient Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 2027-2037.	3.9	29
144	On the Energy-Efficient of Throughput-Based Scheme Using Renewable Energy for Wireless Mesh Networks in Disaster Area. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 420-431.	3.2	29

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145	Value Iteration Architecture Based Deep Learning for Intelligent Routing Exploiting Heterogeneous Computing Platforms. IEEE Transactions on Computers, 2019, 68, 939-950.	2.4	29
146	REFWA: An Efficient and Fair Congestion Control Scheme for LEO Satellite Networks. IEEE/ACM Transactions on Networking, 2006, 14, 1031-1044.	2.6	28
147	Device-to-Device Communication for Mobile Multimedia in Emerging 5G Networks. ACM Transactions on Multimedia Computing, Communications and Applications, 2016, 12, 1-20.	3.0	28
148	A Network-Aware Internet-Wide Scan for Security Maximization of IPv6-Enabled WLAN IoT Devices. IEEE Internet of Things Journal, 2021, 8, 8411-8422.	5.5	28
149	A Cross-Layer Approach for an Efficient Delivery of TCP/RTP-Based Multimedia Applications in Heterogeneous Wireless Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 3801-3814.	3.9	27
150	Throughput maximization for long-distance real-time data transmission over multiple UAVs. , 2016, , .		27
151	Analysis of the Node Isolation Attack Against OLSR-based Mobile Ad Hoc Networks. , 0, , .		26
152	Certificate Revocation to Cope with False Accusations in Mobile Ad Hoc Networks. , 2010, , .		26
153	An Internet of Things Traffic-Based Power Saving Scheme in Cloud-Radio Access Network. IEEE Internet of Things Journal, 2019, 6, 3087-3096.	5.5	26
154	Flexible Resource Allocation With Inter-Beam Interference in Satellite Communication Systems With a Digital Channelizer. IEEE Transactions on Wireless Communications, 2020, 19, 2934-2945.	6.1	26
155	Deep Learning-Based Privacy Preservation and Data Analytics for IoT Enabled Healthcare. IEEE Transactions on Industrial Informatics, 2022, 18, 4798-4807.	7.2	26
156	Intelligent Reflecting Surface in 6G Vehicular Communications: A Survey. IEEE Open Journal of Vehicular Technology, 2022, 3, 266-277.	3.4	26
157	Characterizing Flow, Application, and User Behavior in Mobile Networks: A Framework for Mobile Big Data. IEEE Wireless Communications, 2018, 25, 40-49.	6.6	25
158	Movement Aware CoMP Handover in Heterogeneous Ultra-Dense Networks. IEEE Transactions on Communications, 2021, 69, 340-352.	4.9	25
159	A study of a routing attack in OLSR-based mobile ad hoc networks. International Journal of Communication Systems, 2007, 20, 1245-1261.	1.6	24
160	A novel demand control policy for improving quality of power usage in smart grid. , 2012, , .		24
161	QoE-Guaranteed and Power-Efficient Network Operation for Cloud Radio Access Network With Power Over Fiber. IEEE Transactions on Computational Social Systems, 2015, 2, 127-136.	3.2	24
162	Throughput and Delay Tradeoffs for Mobile Ad Hoc Networks With Reference Point Group Mobility. IEEE Transactions on Wireless Communications, 2015, 14, 1266-1279.	6.1	24

#	ARTICLE	IF	CITATIONS
163	Fairness issue in message delivery in delay- and Disruption-Tolerant Networks for disaster areas. , 2013, , .		23
164	Multi-Hop Wireless Transmission in Multi-Band WLAN Systems: Proposal and Future Perspective. IEEE Wireless Communications, 2019, 26, 108-113.	6.6	23
165	On Smart IoT Remote Sensing over Integrated Terrestrial-Aerial-Space Networks: An Asynchronous Federated Learning Approach. IEEE Network, 2021, 35, 129-135.	4.9	23
166	Influence of local anisotropy fluctuation on soft magnetic properties of the sputtered Fe-Si-Al alloy films. IEEE Transactions on Magnetics, 1988, 24, 3084-3086.	1.2	22
167	Neighbors-buffering-based video-on-demand architecture. Signal Processing: Image Communication, 2003, 18, 515-526.	1.8	21
168	Cross Layer Analysis on ONU Energy Consumption in Smart FiWi Networks. IEEE Wireless Communications Letters, 2013, 2, 695-698.	3.2	21
169	On Minimizing Energy Consumption in FiWi Enhanced LTE-A HetNets. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 579-591.	3.2	21
170	Physical Layer Security in Large-Scale Probabilistic Caching: Analysis and Optimization. IEEE Communications Letters, 2019, 23, 1484-1487.	2.5	21
171	A Novel Scheme to Reduce Control Overhead and Increase Link Duration in Highly Mobile Ad Hoc Networks. , 2007, , .		20
172	Reliable Application Layer Multicast Over Combined Wired and Wireless Networks. IEEE Transactions on Multimedia, 2009, 11, 1466-1477.	5.2	20
173	A novel gateway selection method to maximize the system throughput of Wireless Mesh Network deployed in disaster areas. , 2012, , .		20
174	Throughput Capacity of MANETs with Power Control and Packet Redundancy. IEEE Transactions on Wireless Communications, 2013, 12, 3035-3047.	6.1	20
175	ST-DeLTA: A Novel Spatial-Temporal Value Network Aided Deep Learning Based Intelligent Network Traffic Control System. IEEE Transactions on Sustainable Computing, 2020, 5, 568-580.	2.2	20
176	Magnetostriction of Fe-Al-Si alloy sputtered films. IEEE Transactions on Magnetics, 1987, 23, 3068-3070.	1.2	19
177	DEMAPS: A Load-Transition-Based Mobility Management Scheme for an Efficient Selection of MAP in Mobile IPv6 Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 954-965.	3.9	19
178	Partially Overlapped Channel Assignment on Wireless Mesh Network Backbone. , 2010, , .		19
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