

Nei Kato

List of Publications by Year in descending order

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Version: 2024-02-01

430
papers

19,121
citations

12330

69
h-index

16650

123
g-index

444
all docs

444
docs citations

444
times ranked

12213
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.6	67
2	DBF-Based Fusion Control of Transmit Power and Beam Directivity for Flexible Resource Allocation in HTS Communication System Toward B5G. IEEE Transactions on Wireless Communications, 2022, 21, 95-105.	9.2	9
3	Intelligent Reflecting Surface (IRS) Allocation Scheduling Method Using Combinatorial Optimization by Quantum Computing. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 1633-1644.	4.6	10
4	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.	4.6	35
5	Deep Learning-Based Privacy Preservation and Data Analytics for IoT Enabled Healthcare. IEEE Transactions on Industrial Informatics, 2022, 18, 4798-4807.	11.3	26
6	Multi-Agent Deep Reinforcement Learning for Massive Access in 5G and Beyond Ultra-Dense NOMA System. IEEE Transactions on Wireless Communications, 2022, 21, 3057-3070.	9.2	19
7	A Survey on Space-Air-Ground-Sea Integrated Network Security in 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 53-87.	39.4	140
8	AI Models for Green Communications Towards 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 210-247.	39.4	104
9	A Smart Internet-Wide Port Scan Approach for Improving IoT Security Under Dynamic WLAN Environments. IEEE Internet of Things Journal, 2022, 9, 11951-11961.	8.7	5
10	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.	14.0	49
11	Mobility-Aware User Association Strategy for IRS-Aided mm-Wave Multibeam Transmission Towards 6G. IEEE Journal on Selected Areas in Communications, 2022, 40, 1667-1678.	14.0	16
12	Editorial Farewell Message From the Outgoing Editor-in-Chief. IEEE Transactions on Vehicular Technology, 2022, 71, 3-4.	6.3	0
13	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.	3.4	31
14	Network Slicing with Centralized and Distributed Reinforcement Learning for Combined Satellite/Ground Networks in a 6G Environment. IEEE Wireless Communications, 2022, 29, 104-110.	9.0	13
15	Adaptive Pilot Interval Optimization for Intelligent Reflecting Surface-Aided Communication Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 7963-7966.	6.3	3
16	Intelligent Reflecting Surface in 6G Vehicular Communications: A Survey. IEEE Open Journal of Vehicular Technology, 2022, 3, 266-277.	4.9	26
17	Smart Resource Allocation for Mobile Edge Computing: A Deep Reinforcement Learning Approach. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1529-1541.	4.6	252
18	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.	4.6	73

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19	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.	4.6	52
20	Blockchain-Based Trust Management for Internet of Vehicles. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1397-1409.	4.6	48
21	Movement Aware CoMP Handover in Heterogeneous Ultra-Dense Networks. IEEE Transactions on Communications, 2021, 69, 340-352.	7.8	25
22	Deep Learning Techniques for Advancing 6G Communications in the Physical Layer. IEEE Wireless Communications, 2021, 28, 141-147.	9.0	12
23	Application of Cybertwin for Offloading in Mobile Multiaccess Edge Computing for 6G Networks. IEEE Internet of Things Journal, 2021, 8, 16231-16242.	8.7	31
24	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.	39.4	86
25	Comprehensive Survey on Machine Learning in Vehicular Network: Technology, Applications and Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 2027-2057.	39.4	92
26	A Network-Aware Internet-Wide Scan for Security Maximization of IPv6-Enabled WLAN IoT Devices. IEEE Internet of Things Journal, 2021, 8, 8411-8422.	8.7	28
27	Optimizing Computation Offloading in Satellite-UAV-Served 6G IoT: A Deep Learning Approach. IEEE Network, 2021, 35, 102-108.	6.9	85
28	Distributed Q-Learning Aided Uplink Grant-Free NOMA for Massive Machine-Type Communications. IEEE Journal on Selected Areas in Communications, 2021, 39, 2029-2041.	14.0	34
29	Blockchain-Based Key Management for Heterogeneous Flying Ad Hoc Network. IEEE Transactions on Industrial Informatics, 2021, 17, 7629-7638.	11.3	42
30	Novel Computation and Communication Resources Allocation Using Relay Communications in UAV-Mounted Cloudlet Systems. IEEE Transactions on Network Science and Engineering, 2021, 8, 3140-3151.	6.4	9
31	Intelligent Reflecting Surface-Aided Vehicular Networks Toward 6G: Vision, Proposal, and Future Directions. IEEE Vehicular Technology Magazine, 2021, 16, 48-56.	3.4	33
32	On Smart IoT Remote Sensing over Integrated Terrestrial-Aerial-Space Networks: An Asynchronous Federated Learning Approach. IEEE Network, 2021, 35, 129-135.	6.9	23
33	Envisioning Intelligent Reflecting Surface Empowered Space-Air-Ground Integrated Network. IEEE Network, 2021, 35, 225-232.	6.9	13
34	A Practical Approach for SNR-Based Subchannel Allocation Considering Inter-Beam Interference in a Satellite Communication System. , 2021, , .		1
35	Flexibility-Enhanced HTS System for Disaster Management: Responding to Communication Demand Explosion in a Disaster. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 159-167.	4.6	15
36	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.	3.1	20

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37	Probe Delay Based Adaptive Port Scanning for IoT Devices with Private IP Address Behind NAT. IEEE Network, 2020, 34, 195-201.	6.9	18
38	Automobile Driver Fingerprinting: A New Machine Learning Based Authentication Scheme. IEEE Transactions on Industrial Informatics, 2020, 16, 1417-1426.	11.3	89
39	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.	39.4	164
40	Reinforcement Learning-Based Radio Resource Control in 5G Vehicular Network. IEEE Wireless Communications Letters, 2020, 9, 611-614.	5.0	44
41	AI-Enhanced Cooperative Spectrum Sensing for Non-Orthogonal Multiple Access. IEEE Wireless Communications, 2020, 27, 173-179.	9.0	48
42	Future Intelligent and Secure Vehicular Network Toward 6G: Machine-Learning Approaches. Proceedings of the IEEE, 2020, 108, 292-307.	21.3	404
43	Efficient Delay-Based Internet-Wide Scanning Method for IoT Devices in Wireless LAN. IEEE Internet of Things Journal, 2020, 7, 1364-1374.	8.7	11
44	Smart and Resilient EV Charging in SDN-Enhanced Vehicular Edge Computing Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 217-228.	14.0	130
45	When Machine Learning Meets Privacy in 6G: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 2694-2724.	39.4	111
46	Impact of Internet-Wide Scanning on IoT Data Communication in Wireless LANs. , 2020, , .		0
47	Adaptive Multi-Beam Arrangement for Improving Throughput in an HTS Communication System. , 2020, , .		7
48	Intelligent Reflecting Surface Placement Optimization in Air-Ground Communication Networks Toward 6G. IEEE Wireless Communications, 2020, 27, 146-151.	9.0	109
49	Adaptive Channel Selection and Transmission Timing Control for Simultaneous Receiving and Sending in Relay-Based UAV Network. IEEE Transactions on Network Science and Engineering, 2020, 7, 2840-2849.	6.4	11
50	Machine Learning-Enabled Cooperative Spectrum Sensing for Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2020, 19, 5692-5702.	9.2	55
51	Guest Editor's Introduction: Special Section on Emerging Technologies for Disaster Management. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 104-105.	4.6	1
52	Automatic Content Inspection and Forensics for Children Android Apps. IEEE Internet of Things Journal, 2020, 7, 7123-7134.	8.7	12
53	AI-Based Joint Optimization of QoS and Security for 6G Energy Harvesting Internet of Things. IEEE Internet of Things Journal, 2020, 7, 7032-7042.	8.7	132
54	Envisioning Device-to-Device Communications in 6G. IEEE Network, 2020, 34, 86-91.	6.9	165

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55	Toward Robust and Intelligent Drone Swarm: Challenges and Future Directions. IEEE Network, 2020, 34, 278-283.	6.9	51
56	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.	14.0	109
57	Flexible Resource Allocation With Inter-Beam Interference in Satellite Communication Systems With a Digital Channelizer. IEEE Transactions on Wireless Communications, 2020, 19, 2934-2945.	9.2	26
58	6G: Opening New Horizons for Integration of Comfort, Security, and Intelligence. IEEE Wireless Communications, 2020, 27, 126-132.	9.0	442
59	Efficient Power Control for Satellite-Borne Batteries Using Q-Learning in Low-Earth-Orbit Satellite Constellations. IEEE Wireless Communications Letters, 2020, 9, 809-812.	5.0	32
60	Ten Challenges in Advancing Machine Learning Technologies toward 6G. IEEE Wireless Communications, 2020, 27, 96-103.	9.0	248
61	Security Analysis of Network-Oblivious Internet-Wide Scan for IEEE 802.11ah Enabled IoT. , 2020, , .		0
62	Prediction of Network Traffic Load on High Variability Data Based on Distance Correlation. , 2020, , .		0
63	An Absorbing Markov Chain Based Model to Solve Computation and Communication Tradeoff in GPU-Accelerated MDRUs for Safety Confirmation in Disaster Scenarios. IEEE Transactions on Computers, 2019, 68, 1256-1268.	3.4	1
64	On Improving Flight Energy Efficiency in Simultaneous Transmission and Reception of Relay Using UAVs. , 2019, , .		7
65	Physical Layer Security in Large-Scale Probabilistic Caching: Analysis and Optimization. IEEE Communications Letters, 2019, 23, 1484-1487.	4.1	21
66	Harvesting and Threat Aware Security Configuration Strategy for IEEE 802.15.4 Based IoT Networks. IEEE Communications Letters, 2019, 23, 2130-2134.	4.1	37
67	An Intelligent Packet Forwarding Approach for Disaster Recovery Networks. , 2019, , .		2
68	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.	8.7	30
69	Attacker Identification and Intrusion Detection for In-Vehicle Networks. IEEE Communications Letters, 2019, 23, 1927-1930.	4.1	46
70	Multilayer Virtual Cell-Based Resource Allocation in Low-Power Wide-Area Networks. IEEE Internet of Things Journal, 2019, 6, 10665-10674.	8.7	9
71	Routing for Crowd Management in Smart Cities: A Deep Reinforcement Learning Perspective. IEEE Communications Magazine, 2019, 57, 88-93.	6.1	91
72	Adaptive Power Resource Allocation With Multi-Beam Directivity Control in High-Throughput Satellite Communication Systems. IEEE Wireless Communications Letters, 2019, 8, 1248-1251.	5.0	37

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73	Optimal Edge Resource Allocation in IoT-Based Smart Cities. IEEE Network, 2019, 33, 30-35.	6.9	104
74	TSP Security in Intelligent and Connected Vehicles: Challenges and Solutions. IEEE Wireless Communications, 2019, 26, 125-131.	9.0	63
75	Controlling UAV for Maximizing the Number of Receiver Vehicles in Intelligent Transportation Systems. , 2019, , .		3
76	MACH: Movement Aware CoMP Handover in Heterogeneous Ultra-Dense Networks. , 2019, , .		1
77	Collaborative Computation Offloading at UAV-Enhanced Edge. , 2019, , .		11
78	Hyperparameter Study of Machine Learning Solutions for the Edge Server Deployment Problem. , 2019, , .		0
79	Location Awareness System for Drones Flying Beyond Visual Line of Sight Exploiting the 400 MHz Frequency Band. IEEE Wireless Communications, 2019, 26, 149-155.	9.0	14
80	Efficient Resource Allocation Utilizing Q-Learning in Multiple UA Communications. IEEE Transactions on Network Science and Engineering, 2019, 6, 293-302.	6.4	40
81	Networking and Communications in Autonomous Driving: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 1243-1274.	39.4	319
82	An Internet of Things Traffic-Based Power Saving Scheme in Cloud-Radio Access Network. IEEE Internet of Things Journal, 2019, 6, 3087-3096.	8.7	26
83	Adaptive Frequency Band and Channel Selection for Simultaneous Receiving and Sending in Multiband Communication. IEEE Wireless Communications Letters, 2019, 8, 460-463.	5.0	14
84	A Cross-Domain SDN Architecture for Multi-Layered Space-Terrestrial Integrated Networks. IEEE Network, 2019, 33, 29-35.	6.9	73
85	Proposal and Performance Evaluation of Information Diffusion Technique with Novel Virtual-Cell-Based Wi-Fi Direct. IEEE Transactions on Emerging Topics in Computing, 2019, , 1-1.	4.6	5
86	Toward Future Unmanned Aerial Vehicle Networks: Architecture, Resource Allocation and Field Experiments. IEEE Wireless Communications, 2019, 26, 94-99.	9.0	54
87	Threshold-Based RRH Switching Scheme Considering Baseband Unit Aggregation for Power Saving in a Cloud Radio Access Network. IEEE Systems Journal, 2019, 13, 2676-2687.	4.6	10
88	Optimizing Space-Air-Ground Integrated Networks by Artificial Intelligence. IEEE Wireless Communications, 2019, 26, 140-147.	9.0	272
89	Value Iteration Architecture Based Deep Learning for Intelligent Routing Exploiting Heterogeneous Computing Platforms. IEEE Transactions on Computers, 2019, 68, 939-950.	3.4	29
90	Multi-Hop Wireless Transmission in Multi-Band WLAN Systems: Proposal and Future Perspective. IEEE Wireless Communications, 2019, 26, 108-113.	9.0	23

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91	On A Novel Adaptive UAV-Mounted Cloudlet-Aided Recommendation System for LBSNs. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 565-577.	4.6	75
92	An Adaptive Beam Control Technique for Q Band Satellite to Maximize Diversity Gain and Mitigate Interference to Terrestrial Networks. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 115-122.	4.6	19
93	Development of Resilient Information and Communications Technology for Relief Against Natural Disasters. Journal of Disaster Research, 2019, 14, 348-362.	0.7	3
94	Development of Movable and Deployable ICT Resource Unit (MDRU) and its Overseas Activities. Journal of Disaster Research, 2019, 14, 363-374.	0.7	4
95	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.	6.3	43
96	Characterizing Flow, Application, and User Behavior in Mobile Networks: A Framework for Mobile Big Data. IEEE Wireless Communications, 2018, 25, 40-49.	9.0	25
97	Virtual Cell Based Resource Allocation for Efficient Frequency Utilization in Unmanned Aircraft Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3495-3504.	6.3	55
98	Joint Placement of Controllers and Gateways in SDN-Enabled 5G-Satellite Integrated Network. IEEE Journal on Selected Areas in Communications, 2018, 36, 221-232.	14.0	134
99	Optimal Satellite Gateway Placement in Space-Ground Integrated Network for Latency Minimization With Reliability Guarantee. IEEE Wireless Communications Letters, 2018, 7, 174-177.	5.0	48
100	Cloudlets Activation Scheme for Scalable Mobile Edge Computing with Transmission Power Control and Virtual Machine Migration. IEEE Transactions on Computers, 2018, 67, 1287-1300.	3.4	154
101	Threshold Tuning-Based Wearable Sensor Fault Detection for Reliable Medical Monitoring Using Bayesian Network Model. IEEE Systems Journal, 2018, 12, 1886-1896.	4.6	43
102	On Minimizing Energy Consumption in FiWi Enhanced LTE-A HetNets. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 579-591.	4.6	21
103	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.	9.0	197
104	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.	6.3	237
105	Deep Spatiotemporal Partially Overlapping Channel Allocation: Joint CNN and Activity Vector Approach. , 2018, , .		5
106	Multilayer Virtual-Cell-Based Resource Allocation in Unmanned Aircraft Systems. , 2018, , .		1
107	UAV-Assisted Information Diffusion Technique with Uniquely Virtual Cells Based on Wi-Fi Direct. , 2018, , .		3
108	On Intelligent Traffic Control for Large-Scale Heterogeneous Networks: A Value Matrix-Based Deep Learning Approach. IEEE Communications Letters, 2018, 22, 2479-2482.	4.1	39

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109	On Extracting the Spatial-Temporal Features of Network Traffic Patterns: A Tensor Based Deep Learning Model. , 2018, , .		4
110	A Deep-Learning-Based Radio Resource Assignment Technique for 5G Ultra Dense Networks. IEEE Network, 2018, 32, 28-34.	6.9	128
111	Optimal Satellite Gateway Placement in Space-Ground Integrated Networks. IEEE Network, 2018, 32, 32-37.	6.9	58
112	On a Novel Deep-Learning-Based Intelligent Partially Overlapping Channel Assignment in SDN-IoT. IEEE Communications Magazine, 2018, 56, 80-86.	6.1	97
113	A Novel Non-Supervised Deep-Learning-Based Network Traffic Control Method for Software Defined Wireless Networks. IEEE Wireless Communications, 2018, 25, 74-81.	9.0	96
114	A Novel Radio Resource Optimization Method for Relay-Based Unmanned Aerial Vehicles. IEEE Transactions on Wireless Communications, 2018, 17, 7352-7363.	9.2	30
115	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.	8.7	198
116	Mobile-Edge Computation Offloading for Ultradense IoT Networks. IEEE Internet of Things Journal, 2018, 5, 4977-4988.	8.7	238
117	Cross-Layer Data Delivery in Satellite-Aerial-Terrestrial Communication. IEEE Wireless Communications, 2018, 25, 138-143.	9.0	52
118	Model Predictive Joint Transmit Power Control for Improving System Availability in Energy-Harvesting Wireless Mesh Networks. IEEE Communications Letters, 2018, 22, 2112-2115.	4.1	13
119	Novel Group Paging Scheme for Improving Energy Efficiency of IoT Devices over LTE-A Pro Networks with QoS Considerations. , 2018, , .		6
120	Space-Air-Ground Integrated Network: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 2714-2741.	39.4	634
121	A novel information diffusing method with virtual cells based Wi-Fi direct in disaster area networks. , 2018, , .		4
122	An Efficient Safety Confirmation Method Using Image Database in Multiple-MDRU-Based Disaster Recovery Network. IEEE Systems Journal, 2017, 11, 2556-2565.	4.6	9
123	Effectively Collecting Data for the Location-Based Authentication in Internet of Things. IEEE Systems Journal, 2017, 11, 1403-1411.	4.6	32
124	A Mobility Analytical Framework for Big Mobile Data in Densely Populated Area. IEEE Transactions on Vehicular Technology, 2017, 66, 1443-1455.	6.3	78
125	Challenges of Content-Centric Mobile Networks. IEEE Network, 2017, 31, 2-2.	6.9	3
126	Selected papers from IEEE/CIC ICC 2016. China Communications, 2017, 14, 18-19.	3.2	0

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127	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.	39.4	300
128	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.	39.4	611
129	Routing or Computing? The Paradigm Shift Towards Intelligent Computer Network Packet Transmission Based on Deep Learning. IEEE Transactions on Computers, 2017, 66, 1946-1960.	3.4	275
130	A Novel Embedding Method for Information Diffusion Prediction in Social Network Big Data. IEEE Transactions on Industrial Informatics, 2017, 13, 2097-2105.	11.3	51
131	The Deep Learning Vision for Heterogeneous Network Traffic Control: Proposal, Challenges, and Future Perspective. IEEE Wireless Communications, 2017, 24, 146-153.	9.0	343
132	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.	9.2	36
133	An evaluation of flexible frequency utilization in high throughput satellite communication systems with digital channelizer. , 2017, , .		6
134	Guest Editorial "Things" as Intelligent Sensors and Actuators in the Users' Context: Processing and Communications Issues. IEEE Internet of Things Journal, 2017, 4, 297-298.	8.7	2
135	A Feedback Control-Based Crowd Dynamics Management in IoT System. IEEE Internet of Things Journal, 2017, 4, 1466-1476.	8.7	60
136	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.	3.4	313
137	On Physical Layer Security in Finite-Area Wireless Networks: An Analysis Framework. , 2017, , .		4
138	A TD-LTE-A Based Efficient Radio Access Scheme for Real-Time Data Transmission over Relay Unmanned Aerial Vehicle Networks. , 2017, , .		6
139	Message From the Incoming Editor-in-Chief. IEEE Transactions on Vehicular Technology, 2017, 66, 5517-5517.	6.3	0
140	Multi-Carrier Relaying for Successive Data Transfer in Earth Observation Satellite Constellations. , 2017, , .		6
141	A Tensor Based Deep Learning Technique for Intelligent Packet Routing. , 2017, , .		33
142	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.	6.3	32
143	Reviewing the Performance of IEEE Network. IEEE Network, 2017, 31, 2-2.	6.9	0
144	An efficient throughput-aware resource allocation technique for data transmission in unmanned aircraft systems. , 2017, , .		9

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145	A PSO model with VM migration and transmission power control for low Service Delay in the multiple cloudlets ECC scenario. , 2017, , .		18
146	QoE-Guaranteed and Sustainable User Position Guidance for Post-Disaster Cloud Radio Access Network. , 2016, , .		3
147	Optimizing Uplink Resource Allocation for D2D Overlaying Cellular Networks with Power Control. , 2016, , .		12
148	Throughput maximization for long-distance real-time data transmission over multiple UAVs. , 2016, , .		27
149	Optimizing Channel Allocation for D2D Overlaying Multi-Channel Downlink Cellular Networks. , 2016, , .		5
150	Towards a Low-Delay Edge Cloud Computing through a Combined Communication and Computation Approach. , 2016, , .		9
151	On device-to-device (D2D) communication [Editor's note]. IEEE Network, 2016, 30, 2-2.	6.9	5
152	On 5G wireless systems [Editor's Note]. IEEE Network, 2016, 30, 2-3.	6.9	0
153	On cooperative jamming in wireless networks with eavesdroppers at arbitrary locations. , 2016, , .		4
154	Device-to-Device Communication for Mobile Multimedia in Emerging 5G Networks. ACM Transactions on Multimedia Computing, Communications and Applications, 2016, 12, 1-20.	4.3	28
155	A mobility-based mode selection technique for fair spatial dissemination of data in multi-channel device-to-device communication. , 2016, , .		3
156	Statistics for the past six months [Editor's Note]. IEEE Network, 2016, 30, 2-2.	6.9	0
157	Energy-Efficient Service Multiplexing on Profile-Based TWDM Access Systems. IEEE Internet of Things Journal, 2016, 3, 1427-1436.	8.7	2
158	A Novel Graph-Based Topology Control Cooperative Algorithm for Maximizing Throughput of Disaster Recovery Networks. , 2016, , .		5
159	Energy Consumption Minimization for FiWi Enhanced LTE-A HetNets with UE Connection Constraint. , 2016, 54, 56-62.		41
160	Divide-and-conquer based cooperative jamming: Addressing multiple eavesdroppers in close proximity. , 2016, , .		10
161	GHAR: Graph-based hybrid adaptive routing for cognitive radio based disaster response networks. , 2016, , .		4
162	An adaptive beam control technique for diversity gain maximization in LEO satellite to ground transmissions. , 2016, , .		14

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163	Challenges of anything as a service in the cloud [Editor's Note]. IEEE Network, 2016, 30, 2-2.	6.9	0
164	Mobile Social Networks: Prospects and Challenges. IEEE Network, 2016, 30, 2-2.	6.9	0
165	ECO-UDC: An energy efficient data collection method for disaster area networks. , 2016, , .		5
166	Reliability evaluation for NFV deployment of future mobile broadband networks. IEEE Wireless Communications, 2016, 23, 90-96.	9.0	77
167	Joint optimization of QoS and security for differentiated applications in heterogeneous networks. IEEE Wireless Communications, 2016, 23, 74-81.	9.0	12
168	A dynamic trajectory control algorithm for improving the communication throughput and delay in UAV-aided networks. IEEE Network, 2016, 30, 100-105.	6.9	175
169	Virtual-MIMO-Boosted Information Propagation on Highways. IEEE Transactions on Wireless Communications, 2016, 15, 1420-1431.	9.2	12
170	On cloud computing [Editor's Note]. IEEE Network, 2016, 30, 2-2.	6.9	4
171	Stand-Alone and Cooperative Deep Sleep for Battery-Driven Optical Network Unit. IEEE Internet of Things Journal, 2016, 3, 494-502.	8.7	6
172	Bringing movable and deployable networks to disaster areas: development and field test of MDRU. IEEE Network, 2016, 30, 86-91.	6.9	63
173	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.	9.2	41
174	New Perspectives on Future Smart FiWi Networks: Scalability, Reliability, and Energy Efficiency. IEEE Communications Surveys and Tutorials, 2016, 18, 1045-1072.	39.4	118
175	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.	14.0	184
176	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.	6.3	32
177	A novel network design and operation for reducing transmission power in cloud radio access network with power over fiber. , 2015, , .		3
178	A Power-Aware Air Interface Scheduling Scheme for Improving Network Connectivity in Solar Powered Wireless Mesh Networks. , 2015, , .		0
179	Guest Editorial: Special Issue of <i>IEEE Transactions on Emerging Topics in Computing</i> on Emerging Mobile and Ubiquitous Systems Partâ€™II. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 305-306.	4.6	1
180	Bus-Ads: Bus-based priced advertising in VANETs using coalition formation game. , 2015, , .		7

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181	Evolution of Smart Grids. Springer Briefs in Electrical and Computer Engineering, 2015, , .	0.5	14
182	A stochastic geometry analysis of D2D overlaying multi-channel downlink cellular networks. , 2015, , .		48
183	Relay by Smart Device: Innovative Communications for Efficient Information Sharing Among Vehicles and Pedestrians. IEEE Vehicular Technology Magazine, 2015, 10, 54-62.	3.4	57
184	QoS-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.	4.4	24
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