Nirwan Ansari

List of Publications by Year
in descending order

548 papers	19,199 citations	14653 66 h-index	20358 116 g-index
562 all docs	562 docs citations	562 times ranked	12192 citing authors

#	Article	IF	Citations
1	Reversible data hiding. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 354-362.	8.3	2,092
2	EdgeIoT: Mobile Edge Computing for the Internet of Things. IEEE Communications Magazine, 2016, 54, 22-29.	6.1	908
3	A genetic algorithm for multiprocessor scheduling. IEEE Transactions on Parallel and Distributed Systems, 1994, 5, 113-120.	5.6	551
4	Dynamic Service Provisioning in Elastic Optical Networks With Hybrid Single-/Multi-Path Routing. Journal of Lightwave Technology, 2013, 31, 15-22.	4.6	424
5	Edge Computing Aware NOMA for 5G Networks. IEEE Internet of Things Journal, 2018, 5, 1299-1306.	8.7	253
6	IP traceback with deterministic packet marking. IEEE Communications Letters, 2003, 7, 162-164.	4.1	248
7	TCP in wireless environments: problems and solutions. , 2005, 43, S27-S32.		245
8	A Survey on Acquisition, Tracking, and Pointing Mechanisms for Mobile Free-Space Optical Communications. IEEE Communications Surveys and Tutorials, 2018, 20, 1104-1123.	39.4	209
9	Deep Reinforcement Learning for Cooperative Content Caching in Vehicular Edge Computing and Networks. IEEE Internet of Things Journal, 2020, 7, 247-257.	8.7	207
10	On Optimizing Green Energy Utilization for Cellular Networks with Hybrid Energy Supplies. IEEE Transactions on Wireless Communications, 2013, 12, 3872-3882.	9.2	202
11	Application Aware Workload Allocation for Edge Computing-Based IoT. IEEE Internet of Things Journal, 2018, 5, 2146-2153.	8.7	186
12	TCP-Jersey for Wireless IP Communications. IEEE Journal on Selected Areas in Communications, 2004, 22, 747-756.	14.0	181
13	On Green-Energy-Powered Cognitive Radio Networks. IEEE Communications Surveys and Tutorials, 2015, 17, 827-842.	39.4	174
14	Robust Lossless Image Data Hiding Designed for Semi-Fragile Image Authentication. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 497-509.	8.3	173
15	On Mobile Edge Caching. IEEE Communications Surveys and Tutorials, 2019, 21, 2525-2553.	39.4	161
16	A Position-Based Clustering Technique for Ad Hoc Intervehicle Communication. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2008, 38, 201-208.	2.9	154
17	Powering mobile networks with green energy. IEEE Wireless Communications, 2014, 21, 90-96.	9.0	154
18	On assuring end-to-end QoE in next generation networks: challenges and a possible solution. IEEE Communications Magazine, 2011, 49, 185-191.	6.1	151

#	Article	IF	Citations
19	A Hierarchical Detection and Response System to Enhance Security Against Lethal Cyber-Attacks in UAV Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1594-1606.	9.3	150
20	A Semidefinite Relaxation Method for Source Localization Using TDOA and FDOA Measurements. IEEE Transactions on Vehicular Technology, 2013, 62, 853-862.	6.3	149
21	A Survey on Fusion-Based Indoor Positioning. IEEE Communications Surveys and Tutorials, 2020, 22, 566-594.	39.4	149
22	NLOS Error Mitigation for TOA-Based Localization via Convex Relaxation. IEEE Transactions on Wireless Communications, 2014, 13, 4119-4131.	9.2	140
23	Toward Hierarchical Mobile Edge Computing: An Auction-Based Profit Maximization Approach. IEEE Internet of Things Journal, 2017, 4, 2082-2091.	8.7	139
24	On detecting dominant points. Pattern Recognition, 1991, 24, 441-451.	8.1	137
25	Bandwidth allocation for multiservice access on EPONs. , 2005, 43, S16-S21.		137
26	Decentralized Controls and Communications for Autonomous Distribution Networks in Smart Grid. IEEE Transactions on Smart Grid, 2013, 4, 66-77.	9.0	135
27	Optimal broadcast scheduling in packet radio networks using mean field annealing. IEEE Journal on Selected Areas in Communications, 1997, 15, 250-260.	14.0	134
28	On IP traceback. , 2003, 41, 142-153.		132
29	Software-defined network virtualization: an architectural framework for integrating SDN and NFV for service provisioning in future networks. IEEE Network, 2016, 30, 10-16.	6.9	128
30	Toward Green IoT: Energy Solutions and Key Challenges. IEEE Communications Magazine, 2019, 57, 104-110.	6.1	128
31	On Architecture Design, Congestion Notification, TCP Incast and Power Consumption in Data Centers. IEEE Communications Surveys and Tutorials, 2013, 15, 39-64.	39.4	127
32	Towards Workload Balancing in Fog Computing Empowered IoT. IEEE Transactions on Network Science and Engineering, 2020, 7, 253-262.	6.4	120
33	Toward energy-efficient 1G-EPON and 10G-EPON with sleep-aware MAC control and scheduling. , 2011, 49, s33-s38.		119
34	On greening cellular networks via multicell cooperation. IEEE Wireless Communications, 2013, 20, 82-89.	9.0	117
35	Monitoring and analyzing big traffic data of a large-scale cellular network with Hadoop. IEEE Network, 2014, 28, 32-39.	6.9	117
36	The Progressive Smart Grid System from Both Power and Communications Aspects. IEEE Communications Surveys and Tutorials, 2011, , .	39.4	115

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37	A Traffic Load Balancing Framework for Software-Defined Radio Access Networks Powered by Hybrid Energy Sources. IEEE/ACM Transactions on Networking, 2016, 24, 1038-1051.	3.8	115
38	CONSUMER: A Novel Hybrid Intrusion Detection System for Distribution Networks in Smart Grid. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 33-44.	4.6	114
39	Latency Aware Workload Offloading in the Cloudlet Network. IEEE Communications Letters, 2017, 21, 1481-1484.	4.1	114
40	Intrusion Detection and Ejection Framework Against Lethal Attacks in UAV-Aided Networks: A Bayesian Game-Theoretic Methodology. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 1143-1153.	8.0	109
41	Big Data Driven Hidden Markov Model Based Individual Mobility Prediction at Points of Interest. IEEE Transactions on Vehicular Technology, 2017, 66, 5204-5216.	6.3	109
42	Allocating fair rates for available bit rate service in ATM networks. , 1996, 34, 92-100.		102
43	Partial shape recognition: a landmark-based approach. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1990, 12, 470-483.	13.9	98
44	Latency-Aware IoT Service Provisioning in UAV-Aided Mobile-Edge Computing Networks. IEEE Internet of Things Journal, 2020, 7, 10573-10580.	8.7	93
45	On the Effect of Bandwidth Fragmentation on Blocking Probability in Elastic Optical Networks. IEEE Transactions on Communications, 2013, 61, 2970-2978.	7.8	92
46	Robust WiFi Localization by Fusing Derivative Fingerprints of RSS and Multiple Classifiers. IEEE Transactions on Industrial Informatics, 2020, 16, 3177-3186.	11.3	91
47	Limited sharing with traffic prediction for dynamic bandwidth allocation and QoS provisioning over Ethernet passive optical networks. Journal of Optical Networking, 2005, 4, 561.	2.5	87
48	Resource Allocation in UAV-Assisted M2M Communications for Disaster Rescue. IEEE Wireless Communications Letters, 2019, 8, 580-583.	5.0	87
49	Non-parametric dominant point detection. Pattern Recognition, 1991, 24, 849-862.	8.1	86
50	Revealing Packed Malware. IEEE Security and Privacy, 2008, 6, 65-69.	1.2	83
51	Distributed Angle Estimation for Localization in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2013, 12, 527-537.	9.2	83
52	Green Relay Assisted D2D Communications With Dual Batteries in Heterogeneous Cellular Networks for IoT. IEEE Internet of Things Journal, 2017, 4, 1707-1715.	8.7	83
53	Improving TCP performance in integrated wireless communications networks. Computer Networks, 2005, 47, 219-237.	5.1	82
54	HYMN: A Novel Hybrid Multi-Hop Routing Algorithm to Improve the Longevity of WSNs. IEEE Transactions on Wireless Communications, 2012, 11, 2531-2541.	9.2	81

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55	Dynamic Resource Caching in the IoT Application Layer for Smart Cities. IEEE Internet of Things Journal, 2018, 5, 606-613.	8.7	81
56	Mobile Edge Computing Empowers Internet of Things. IEICE Transactions on Communications, 2018, E101.B, 604-619.	0.7	80
57	On deterministic packet marking. Computer Networks, 2007, 51, 2677-2700.	5.1	79
58	Low rate TCP denial-of-service attack detection at edge routers. IEEE Communications Letters, 2005, 9, 363-365.	4.1	78
59	Indoor Localization by Fusing a Group of Fingerprints Based on Random Forests. IEEE Internet of Things Journal, 2018, 5, 4686-4698.	8.7	77
60	A Novel Scheme for WSAN Sink Mobility Based on Clustering and Set Packing Techniques. IEEE Transactions on Automatic Control, 2011, 56, 2381-2389.	5.7	76
61	LTRT: An efficient and reliable topology control algorithm for ad-hoc networks. IEEE Transactions on Wireless Communications, 2009, 8, 6050-6058.	9.2	75
62	Indoor Localization Using Visible Light Via Fusion of Multiple Classifiers. IEEE Photonics Journal, 2017, 9, 1-16.	2.0	75
63	Security services in group communications over wireless infrastructure, mobile ad hoc, and wireless sensor networks. IEEE Wireless Communications, 2007, 14, 8-20.	9.0	73
64	Cost Aware cloudlet Placement for big data processing at the edge. , 2017, , .		72
65	Fog Resource Provisioning in Reliability-Aware IoT Networks. IEEE Internet of Things Journal, 2019, 6, 8262-8269.	8.7	72
66	NOMA Aided Narrowband IoT for Machine Type Communications With User Clustering. IEEE Internet of Things Journal, 2019, 6, 7183-7191.	8.7	70
67	Fault-resilient sensing in wireless sensor networks. Computer Communications, 2007, 30, 2375-2384.	5.1	69
68	Accurate WiFi Localization by Fusing a Group of Fingerprints via a Global Fusion Profile. IEEE Transactions on Vehicular Technology, 2018, 67, 7314-7325.	6.3	69
69	QoS-Aware Fog Resource Provisioning and Mobile Device Power Control in IoT Networks. IEEE Transactions on Network and Service Management, 2019, 16, 167-175.	4.9	69
70	Interleaving for combating bursts of errors. IEEE Circuits and Systems Magazine, 2004, 4, 29-42.	2.3	68
71	A Bias-Reduced Nonlinear WLS Method for TDOA/FDOA-Based Source Localization. IEEE Transactions on Vehicular Technology, 2016, 65, 8603-8615.	6.3	67
72	Optimizing Resource Utilization of a Data Center. IEEE Communications Surveys and Tutorials, 2016, 18, 2822-2846.	39.4	66

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73	On cost aware cloudlet placement for mobile edge computing. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 926-937.	13.1	65
74	ICE: Intelligent Cell BrEathing to Optimize the Utilization of Green Energy. IEEE Communications Letters, 2012, 16, 866-869.	4.1	64
75	Robust TDOA-Based Localization for IoT via Joint Source Position and NLOS Error Estimation. IEEE Internet of Things Journal, 2019, 6, 8529-8541.	8.7	64
76	Tracing cyber attacks from the practical perspective. , 2005, 43, 123-131.		62
77	Caching in Energy Harvesting Aided Internet of Things: A Game-Theoretic Approach. IEEE Internet of Things Journal, 2019, 6, 3194-3201.	8.7	62
78	On Minimizing the Impact of Mobility on Topology Control in Mobile Ad Hoc Networks. IEEE Transactions on Wireless Communications, 2012, 11, 1158-1166.	9.2	61
79	Workload Allocation in Hierarchical Cloudlet Networks. IEEE Communications Letters, 2018, 22, 820-823.	4.1	61
80	Wireless telemedicine services over integrated IEEE 802.11/WLAN and IEEE 802.16/WiMAX networks. IEEE Wireless Communications, 2010, 17, 30-36.	9.0	60
81	On the scalability of fixed broadband wireless access network deployment. , 2004, 42, S12-S18.		59
82	Effective Delay-Controlled Load Distribution over Multipath Networks. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1730-1741.	5.6	58
83	Scheduling Hybrid WDM/TDM Passive Optical Networks With Nonzero Laser Tuning Time. IEEE/ACM Transactions on Networking, 2011, 19, 1014-1027.	3.8	57
84	Optimal Cooperative Power Allocation for Energy-Harvesting-Enabled Relay Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 2424-2434.	6.3	57
85	Energy sharing within EH-enabled wireless communication networks. IEEE Wireless Communications, 2015, 22, 144-149.	9.0	56
86	Joint Content Placement and Storage Allocation in C-RANs for IoT Sensing Service. IEEE Internet of Things Journal, 2019, 6, 1060-1067.	8.7	56
87	Convergence of Networking and Cloud/Edge Computing: Status, Challenges, and Opportunities. IEEE Network, 2020, 34, 148-155.	6.9	56
88	PRIMAL: PRofIt Maximization Avatar pLacement for mobile edge computing. , 2016, , .		55
89	Network Utility Aware Traffic Load Balancing in Backhaul-Constrained Cache-Enabled Small Cell Networks with Hybrid Power Supplies. IEEE Transactions on Mobile Computing, 2017, 16, 2819-2832.	5.8	55
90	On Load Distribution over Multipath Networks. IEEE Communications Surveys and Tutorials, 2011, , .	39.4	54

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91	Cluster-Based Certificate Revocation with Vindication Capability for Mobile Ad Hoc Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 239-249.	5.6	54
92	Jointly Optimizing Client Selection and Resource Management in Wireless Federated Learning for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 4385-4395.	8.7	54
93	Next-generation PONs: A performance investigation of candidate architectures for next-generation access stage 1. IEEE Communications Magazine, 2009, 47, 49-57.	6.1	53
94	A Hybrid RF-VLC System for Energy Efficient Wireless Access. IEEE Transactions on Green Communications and Networking, 2018, 2, 932-944.	5.5	53
95	Identifying website communities in mobile internet based on affinity measurement. Computer Communications, 2014, 41, 22-30.	5.1	50
96	Towards Traffic Load Balancing in Drone-Assisted Communications for IoT. IEEE Internet of Things Journal, 2019, 6, 3633-3640.	8.7	50
97	Computational Intelligence for Optimization. , 1997, , .		50
98	3-D Drone-Base-Station Placement With In-Band Full-Duplex Communications. IEEE Communications Letters, 2018, 22, 1902-1905.	4.1	49
99	Improved Robust TOA-Based Localization via NLOS Balancing Parameter Estimation. IEEE Transactions on Vehicular Technology, 2019, 68, 6177-6181.	6.3	49
100	Adaptive fusion by reinforcement learning for distributed detection systems. IEEE Transactions on Aerospace and Electronic Systems, 1996, 32, 524-531.	4.7	48
101	Green Cloudlet Network: A Distributed Green Mobile Cloud Network. IEEE Network, 2017, 31, 64-70.	6.9	48
102	Impairment- and Splitting-Aware Cloud-Ready Multicast Provisioning in Elastic Optical Networks. IEEE/ACM Transactions on Networking, 2017, 25, 1220-1234.	3.8	48
103	QoS-Aware Power Control in Internet of Drones for Data Collection Service. IEEE Transactions on Vehicular Technology, 2019, 68, 6649-6656.	6.3	48
104	Profit Maximization for Geographically Dispersed Green Data Centers. IEEE Transactions on Smart Grid, 2018, 9, 703-711.	9.0	47
105	Mobile manipulator path planning by a genetic algorithm. Journal of Field Robotics, 1994, 11, 143-153.	0.7	45
106	On modeling MPEG video traffics. IEEE Transactions on Broadcasting, 2002, 48, 337-347.	3.2	45
107	Localization by Fusing a Group of Fingerprints via Multiple Antennas in Indoor Environment. IEEE Transactions on Vehicular Technology, 2017, 66, 9904-9915.	6.3	45
108	Design of WDM PON With Tunable Lasers: The Upstream Scenario. Journal of Lightwave Technology, 2010, 28, 228-236.	4.6	44

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109	Spark-Based Large-Scale Matrix Inversion for Big Data Processing. IEEE Access, 2016, 4, 2166-2176.	4.2	43
110	On Divergence-Angle Efficiency of a Laser Beam in Free-Space Optical Communications for High-Speed Trains. IEEE Transactions on Vehicular Technology, 2017, 66, 7677-7687.	6.3	43
111	On Designing Energy-Efficient Heterogeneous Cloud Radio Access Networks. IEEE Transactions on Green Communications and Networking, 2018, 2, 721-734.	5.5	43
112	A Cooperative Computing Strategy for Blockchain-Secured Fog Computing. IEEE Internet of Things Journal, 2020, 7, 6603-6609.	8.7	43
113	Smart Grid Enabled Mobile Networks: Jointly Optimizing BS Operation and Power Distribution. IEEE/ACM Transactions on Networking, 2017, 25, 1832-1845.	3.8	42
114	Energy Efficient Resource Allocation in EH-Enabled CR Networks for IoT. IEEE Internet of Things Journal, 2019, 6, 3186-3193.	8.7	42
115	Learning-Assisted Secure End-to-End Network Slicing for Cyber-Physical Systems. IEEE Network, 2020, 34, 37-43.	6.9	42
116	Resource management for broadband access over time-division multiplexed passive optical networks. IEEE Network, 2007, 21, 20-27.	6.9	41
117	On mitigating TCP Incast in Data Center Networks. , 2011, , .		41
118	QoS-Aware Joint BBU-RRH Mapping and User Association in Cloud-RANs. IEEE Transactions on Green Communications and Networking, 2018, 2, 881-889.	5.5	41
119	Anycast Planning in Space Division Multiplexing Elastic Optical Networks With Multi-Core Fibers. IEEE Communications Letters, 2016, 20, 1983-1986.	4.1	40
120	Optimizing the Operation Cost for UAV-Aided Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2021, 70, 6085-6093.	6.3	40
121	Adaptive fusion of correlated local decisions. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 1998, 28, 276-281.	2.9	39
122	HERO: Hierarchical Energy Optimization for Data Center Networks. IEEE Systems Journal, 2015, 9, 406-415.	4.6	39
123	An FSO-Based Drone Assisted Mobile Access Network for Emergency Communications. IEEE Transactions on Network Science and Engineering, 2020, 7, 1597-1606.	6.4	39
124	Enhancing Federated Learning in Fog-Aided IoT by CPU Frequency and Wireless Power Control. IEEE Internet of Things Journal, 2021, 8, 3438-3445.	8.7	39
125	On Accelerating Content Delivery in Mobile Networks. IEEE Communications Surveys and Tutorials, 2013, 15, 1314-1333.	39.4	38
126	Optimal Positioning of Ground Base Stations in Free-Space Optical Communications for High-Speed Trains. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 1940-1949.	8.0	38

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127	Accurate WiFi Localization by Unsupervised Fusion of Extended Candidate Location Set. IEEE Internet of Things Journal, 2019, 6, 2476-2485.	8.7	38
128	An optimal delay aware task assignment scheme for wireless SDN networked edge cloudlets. Future Generation Computer Systems, 2020, 102, 862-875.	7.5	38
129	Task Allocation in Fog-Aided Mobile IoT by Lyapunov Online Reinforcement Learning. IEEE Transactions on Green Communications and Networking, 2020, 4, 556-565.	5.5	38
130	Energy-Efficient Relay-Selection-Based Dynamic Routing Algorithm for IoT-Oriented Software-Defined WSNs. IEEE Internet of Things Journal, 2020, 7, 9050-9065.	8.7	38
131	Steering a robot with vanishing points. IEEE Transactions on Automation Science and Engineering, 1993, 9, 491-498.	2.3	37
132	A new method to optimize the satellite broadcasting schedules using the mean field annealing of a Hopfield neural network. IEEE Transactions on Neural Networks, 1995, 6, 470-483.	4.2	37
133	Adaptive decision fusion for unequiprobable sources. IET Radar, Sonar & Navigation, 1997, 144, 105.	2.1	36
134	QoS-Aware Scheduling over Hybrid Optical Wireless Networks. , 2007, , .		36
135	A practical and robust inter-domain marking scheme for IP traceback. Computer Networks, 2007, 51, 732-750.	5.1	36
136	Online Task Allocation and Flying Control in Fog-Aided Internet of Drones. IEEE Transactions on Vehicular Technology, 2020, 69, 5562-5569.	6.3	36
137	Leveraging Deep Reinforcement Learning for Traffic Engineering: A Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 2064-2097.	39.4	36
138	Fair Quantized Congestion Notification in Data Center Networks. IEEE Transactions on Communications, 2013, 61, 4690-4699.	7.8	35
139	Provisioning Internet Access Using FSO in High-Speed Rail Networks. IEEE Network, 2017, 31, 96-101.	6.9	35
140	Energy and Traffic Aware Full-Duplex Communications for 5G Systems. IEEE Access, 2017, 5, 11278-11290.	4.2	35
141	Improving SDN Scalability With Protocol-Oblivious Source Routing: A System-Level Study. IEEE Transactions on Network and Service Management, 2018, 15, 275-288.	4.9	35
142	Frr for latency reduction and qos provisioning in obs networks. IEEE Journal on Selected Areas in Communications, 2003, 21, 1210-1219.	14.0	34
143	A Hybrid Fingerprint Quality Evaluation Model for WiFi Localization. IEEE Internet of Things Journal, 2019, 6, 9829-9840.	8.7	34
144	Green Cloudlet Network: A Sustainable Platform for Mobile Cloud Computing. IEEE Transactions on Cloud Computing, 2020, 8, 180-192.	4.4	34

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145	Privacy preserving distributed data mining based on secure multi-party computation. Computer Communications, 2020, 153, 208-216.	5.1	34
146	Traffic Load Balancing Among Brokers at the IoT Application Layer. IEEE Transactions on Network and Service Management, 2018, 15, 489-502.	4.9	33
147	A Framework for 5G Networks with In-Band Full-Duplex Enabled Drone-Mounted Base-Stations. IEEE Wireless Communications, 2019, 26, 121-127.	9.0	33
148	Energy Driven Avatar Migration in Green Cloudlet Networks. IEEE Communications Letters, 2017, 21, 1601-1604.	4.1	32
149	Latency Aware Drone Base Station Placement in Heterogeneous Networks. , 2017, , .		32
150	A router-based technique to mitigate reduction of quality (RoQ) attacks. Computer Networks, 2008, 52, 957-970.	5.1	31
151	Green Energy Aware Avatar Migration Strategy in Green Cloudlet Networks. , 2015, , .		31
152	Networking for critical conditions. IEEE Wireless Communications, 2008, 15, 73-81.	9.0	30
153	Is it congestion or a DDoS attack?. IEEE Communications Letters, 2009, 13, 546-548.	4.1	30
154	Provisioning Green Energy for Base Stations in Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 5439-5448.	6.3	29
155	Jointly Optimizing Drone-Mounted Base Station Placement and User Association in Heterogeneous Networks. , 2018, , .		29
156	Cyber Security Game for Intelligent Transportation Systems. IEEE Network, 2019, 33, 216-222.	6.9	29
157	SmartLoc: Smart Wireless Indoor Localization Empowered by Machine Learning. IEEE Transactions on Industrial Electronics, 2020, 67, 6883-6893.	7.9	29
158	3D Drone Base Station Placement and Resource Allocation With FSO-Based Backhaul in Hotspots. IEEE Transactions on Vehicular Technology, 2020, 69, 3322-3329.	6.3	29
159	Nonparametric dominant point detection. , 1991, , .		28
160	A flexible and distributed architecture for adaptive end-to-end QoS provisioning in next-generation networks. IEEE Journal on Selected Areas in Communications, 2005, 23, 321-333.	14.0	28
161	Detecting DRDoS attacks by a simple response packet confirmation mechanism. Computer Communications, 2008, 31, 3299-3306.	5.1	28
162	Robust and Efficient Stream Delivery for Application Layer Multicasting in Heterogeneous Networks. IEEE Transactions on Multimedia, 2009, 11, 166-176.	7.2	28

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163	Cloud service reliability modelling and optimal task scheduling. IET Communications, 2017, 11, 161-167.	2.2	28
164	Knowledge Aided Adaptive Localization via Global Fusion Profile. IEEE Internet of Things Journal, 2018, 5, 1081-1089.	8.7	28
165	Expectation Maximization Indoor Localization Utilizing Supporting Set for Internet of Things. IEEE Internet of Things Journal, 2019, 6, 2573-2582.	8.7	28
166	Caching in Dynamic IoT Networks by Deep Reinforcement Learning. IEEE Internet of Things Journal, 2021, 8, 3268-3275.	8.7	28
167	An Efficient MAC Protocol for Asynchronous ONUs in OFDMA PONs. , 2011, , .		28
168	Efficient and Reliable Link State Information Dissemination. IEEE Communications Letters, 2004, 8, 317-319.	4.1	27
169	Differentiating Malicious DDoS Attack Traffic from Normal TCP Flows by Proactive Tests. IEEE Communications Letters, 2006, 10, 793-795.	4.1	27
170	Reducing the Impact of Handovers in Ground-to-Train Free Space Optical Communications. IEEE Transactions on Vehicular Technology, 2018, 67, 1292-1301.	6.3	27
171	Adaptive Avatar Handoff in the Cloudlet Network. IEEE Transactions on Cloud Computing, 2019, 7, 664-676.	4.4	27
172	Secure Federated Learning by Power Control for Internet of Drones. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 1021-1031.	7.9	27
173	Smart Traffic Monitoring System Using Computer Vision and Edge Computing. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12027-12038.	8.0	27
174	Certificate Revocation to Cope with False Accusations in Mobile Ad Hoc Networks. , 2010, , .		26
175	Green-energy Aware and Latency Aware user associations in heterogeneous cellular networks. , 2013, , .		26
176	Standards-Compliant EPON Sleep Control for Energy Efficiency: Design and Analysis. Journal of Optical Communications and Networking, 2013, 5, 677.	4.8	26
177	Maximizing Network Capacity of Cognitive Radio Networks by Capacity-Aware Spectrum Allocation. IEEE Transactions on Wireless Communications, 2015, 14, 5058-5067.	9.2	26
178	On the Number and 3-D Placement of In-Band Full-Duplex Enabled Drone-Mounted Base-Stations. IEEE Wireless Communications Letters, 2019, 8, 221-224.	5.0	26
179	Jointly Optimized 3D Drone Mounted Base Station Deployment and User Association in Drone Assisted Mobile Access Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 2195-2203.	6.3	26
180	Evaluating Electronic Voting Systems Equipped with Voter-Verified Paper Records. IEEE Security and Privacy, 2008, 6, 30-39.	1.2	25

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181	Prognostics and health management for wireless telemedicine networks. IEEE Wireless Communications, 2012, 19, 83-89.	9.0	25
182	Joint Spectrum and Power Allocation for Multi-Node Cooperative Wireless Systems. IEEE Transactions on Mobile Computing, 2015, 14, 2034-2044.	5.8	25
183	Toward Low-Cost Workload Distribution for Integrated Green Data Centers. IEEE Communications Letters, 2015, 19, 26-29.	4.1	25
184	Hierarchical Capacity Provisioning for Fog Computing. IEEE/ACM Transactions on Networking, 2019, 27, 962-971.	3.8	25
185	SoarNet. IEEE Wireless Communications, 2019, 26, 37-43.	9.0	25
186	Landmark-based shape recognition by a modified Hopfield neural network. Pattern Recognition, 1993, 26, 531-542.	8.1	24
187	On Protocol-Independent Data Redundancy Elimination. IEEE Communications Surveys and Tutorials, 2014, 16, 455-472.	39.4	24
188	Enabling Mobile Traffic Offloading via Energy Spectrum Trading. IEEE Transactions on Wireless Communications, 2014, 13, 3317-3328.	9.2	24
189	Content Caching and Distribution in Smart Grid Enabled Wireless Networks. IEEE Internet of Things Journal, 2017, 4, 513-520.	8.7	24
190	A Hybrid Positioning System for Location-Based Services: Design and Implementation. IEEE Communications Magazine, 2020, 58, 90-96.	6.1	24
191	Energy Efficient Wireless Multicasting. IEEE Communications Letters, 2011, 15, 620-622.	4.1	23
192	Optimal Decision Fusion Based Automatic Modulation Classification by Using Wireless Sensor Networks in Multipath Fading Channel. , 2011, , .		23
193	Alleviating Solar Energy Congestion in the Distribution Grid via Smart Metering Communications. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1607-1620.	5.6	23
194	Offloading Mobile Traffic via Green Content Broker. IEEE Internet of Things Journal, 2014, 1, 161-170.	8.7	23
195	FSO as backhaul and energizer for drone-assisted mobile access networks. ICT Express, 2020, 6, 139-144.	4.8	23
196	On the Capacity of WDM Passive Optical Networks. IEEE Transactions on Communications, 2011, 59, 552-559.	7.8	22
197	Time synchronization over ethernet passive optical networks. , 2012, 50, 136-142.		22
198	Media Access Control and Resource Allocation. SpringerBriefs in Applied Sciences and Technology, 2013, , .	0.4	22

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