Yuguang Fang

List of Publications by Year
in descending order

523 papers	16,014 citations	17440 63 h-index	34986 98 g-index
527 all docs	527 docs citations	527 times ranked	9665 citing authors

#	Article	IF	Citations
1	Call admission control schemes and performance analysis in wireless mobile networks. IEEE Transactions on Vehicular Technology, 2002, 51, 371-382.	6.3	328
2	Securing wireless sensor networks: a survey. IEEE Communications Surveys and Tutorials, 2008, 10, 6-28.	39.4	327
3	An Identity-Based Security System for User Privacy in Vehicular Ad Hoc Networks. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 1227-1239.	5.6	283
4	Performance analysis of IEEE 802.11 MAC protocols in wireless LANs. Wireless Communications and Mobile Computing, 2004, 4, 917-931.	1.2	277
5	Location-based compromise-tolerant security mechanisms for wireless sensor networks. IEEE Journal on Selected Areas in Communications, 2006, 24, 247-260.	14.0	239
6	Teletraffic analysis and mobility modeling of PCS networks. IEEE Transactions on Communications, 1999, 47, 1062-1072.	7.8	226
7	Channel occupancy times and handoff rate for mobile computing and PCS networks. IEEE Transactions on Computers, 1998, 47, 679-692.	3.4	218
8	Privacy and security for online social networks: challenges and opportunities. IEEE Network, 2010, 24, 13-18.	6.9	209
9	How well can the IEEE 802.11 wireless LAN support quality of service?. IEEE Transactions on Wireless Communications, 2005, 4, 3084-3094.	9.2	206
10	Optimal Power Management of Residential Customers in the Smart Grid. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1593-1606.	5.6	201
11	Multiconstrained QoS multipath routing in wireless sensor networks. Wireless Networks, 2008, 14, 465-478.	3.0	175
12	Stabilization of continuous-time jump linear systems. IEEE Transactions on Automatic Control, 2002, 47, 1590-1603.	5.7	165
13	A Privacy-Preserving Scheme for Incentive-Based Demand Response in the Smart Grid. IEEE Transactions on Smart Grid, 2016, 7, 1304-1313.	9.0	161
14	Dynamic Hierarchical Mobility Management Strategy for Mobile IP Networks. IEEE Journal on Selected Areas in Communications, 2004, 22, 664-676.	14.0	158
15	Securing Mobile Ad Hoc Networks with Certificateless Public Keys. IEEE Transactions on Dependable and Secure Computing, 2006, 3, 386-399.	5.4	158
16	Security analysis and enhancements of 3GPP authentication and key agreement protocol. IEEE Transactions on Wireless Communications, 2005, 4, 734-742.	9.2	156
17	Stochastic stability of jump linear systems. IEEE Transactions on Automatic Control, 2002, 47, 1204-1208.	5.7	153
18	IEEE 802.11ay-Based mmWave WLANs: Design Challenges and Solutions. IEEE Communications Surveys and Tutorials, 2018, 20, 1654-1681.	39.4	147

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19	Electricity Cost Saving Strategy in Data Centers by Using Energy Storage. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1149-1160.	5.6	145
20	Secure localization and authentication in ultra-wideband sensor networks. IEEE Journal on Selected Areas in Communications, 2006, 24, 829-835.	14.0	144
21	Decentralized Coordination of Energy Utilization for Residential Households in the Smart Grid. IEEE Transactions on Smart Grid, 2013, 4, 1341-1350.	9.0	141
22	MASK: anonymous on-demand routing in mobile ad hoc networks. IEEE Transactions on Wireless Communications, 2006, 5, 2376-2385.	9.2	140
23	Stability analysis of dynamical neural networks. IEEE Transactions on Neural Networks, 1996, 7, 996-1006.	4.2	138
24	Supporting QoS in IEEE 802.11e wireless LANs. IEEE Transactions on Wireless Communications, 2006, 5, 2217-2227.	9.2	131
25	Energy and Network Aware Workload Management for Sustainable Data Centers with Thermal Storage. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2030-2042.	5.6	129
26	Downlink and Uplink Resource Allocation in IEEE 802.11 Wireless LANs. IEEE Transactions on Vehicular Technology, 2005, 54, 320-327.	6.3	117
27	Design of MAC Protocols With Fast Collision Resolution for Wireless Local Area Networks. IEEE Transactions on Wireless Communications, 2004, 3, 793-807.	9.2	115
28	Modeling PCS networks under general call holding time and cell residence time distributions. IEEE/ACM Transactions on Networking, 1997, 5, 893-906.	3.8	114
29	ARSA: An Attack-Resilient Security Architecture for Multihop Wireless Mesh Networks. IEEE Journal on Selected Areas in Communications, 2006, 24, 1916-1928.	14.0	114
30	Portable movement modeling for PCS networks. IEEE Transactions on Vehicular Technology, 2000, 49, 1356-1363.	6.3	112
31	Call performance for a PCS network. IEEE Journal on Selected Areas in Communications, 1997, 15, 1568-1581.	14.0	107
32	Access control in wireless sensor networks. Ad Hoc Networks, 2007, 5, 3-13.	5.5	107
33	CAM: Cloud-Assisted Privacy Preserving Mobile Health Monitoring. IEEE Transactions on Information Forensics and Security, 2013, 8, 985-997.	6.9	107
34	EPIC: A Differential Privacy Framework to Defend Smart Homes Against Internet Traffic Analysis. IEEE Internet of Things Journal, 2018, 5, 1206-1217.	8.7	106
35	SPREAD: enhancing data confidentiality in mobile ad hoc networks. , 0, , .		104
36	The Capacity of Wireless Ad Hoc Networks Using Directional Antennas. IEEE Transactions on Mobile Computing, 2011, 10, 1374-1387.	5.8	100

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37	A Privacy-Preserving Attribute-Based Authentication System for Mobile Health Networks. IEEE Transactions on Mobile Computing, 2014, 13, 1927-1941.	5.8	99
38	A game-theoretic approach for achieving k-anonymity in Location Based Services. , 2013, , .		89
39	5G Vehicle-to-Everything Services: Gearing Up for Security and Privacy. Proceedings of the IEEE, 2020, 108, 373-389.	21.3	89
40	Mobility-based call admission control schemes for wireless mobile networks. Wireless Communications and Mobile Computing, 2001, 1, 269-282.	1.2	87
41	Movement-based mobility management and trade off analysis for wireless mobile networks. IEEE Transactions on Computers, 2003, 52, 791-803.	3.4	86
42	A secure incentive protocol for mobile ad hoc networks. Wireless Networks, 2007, 13, 569-582.	3.0	86
43	DUCHA: A New Dual-Channel MAC Protocol for Multihop Ad Hoc Networks. IEEE Transactions on Wireless Communications, 2006, 5, 3224-3233.	9.2	83
44	A call admission and rate control scheme for multimedia support over IEEE 802.11 wireless LANs. Wireless Networks, 2006, 12, 451-463.	3.0	83
45	A Fine-Grained Reputation System for Reliable Service Selection in Peer-to-Peer Networks. IEEE Transactions on Parallel and Distributed Systems, 2007, 18, 1134-1145.	5.6	82
46	Joint Channel and Power Allocation in Wireless Mesh Networks: A Game Theoretical Perspective. IEEE Journal on Selected Areas in Communications, 2008, 26, 1149-1159.	14.0	82
47	A Fairness-Aware Congestion Control Scheme in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 5225-5234.	6.3	80
48	Cooperative Communication Aware Link Scheduling for Cognitive Vehicular Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 760-768.	14.0	80
49	Inequalities for the trace of matrix product. IEEE Transactions on Automatic Control, 1994, 39, 2489-2490.	5.7	79
50	Stochastic Channel Selection in Cognitive Radio Networks. , 2007, , .		79
51	HCPP: Cryptography Based Secure EHR System for Patient Privacy and Emergency Healthcare. , 2011, , .		79
52	Impact of Routing Metrics on Path Capacity in Multirate and Multihop Wireless Ad Hoc Networks. , 2006, , .		78
53	Joint routing and link scheduling for cognitive radio networks under uncertain spectrum supply. , 2011, , .		78
54	Hyper-Erlang Distribution Model and its Application in Wireless Mobile Networks. Wireless Networks, 2001, 7, 211-219.	3.0	77

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55	Robust cooperative routing protocol in mobile wireless sensor networks. IEEE Transactions on Wireless Communications, 2008, 7, 5278-5285.	9.2	77
56	System architecture and cross-layer optimization of video broadcast over WiMAX. IEEE Journal on Selected Areas in Communications, 2007, 25, 712-721.	14.0	75
57	Performance Analysis of IEEE 802.11 DCF in Imperfect Channels. IEEE Transactions on Vehicular Technology, 2006, 55, 1648-1656.	6.3	74
58	Capacity and delay of hybrid wireless broadband access networks. IEEE Journal on Selected Areas in Communications, 2009, 27, 117-125.	14.0	74
59	Cross-Domain Data Sharing in Distributed Electronic Health Record Systems. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 754-764.	5.6	74
60	Localized algorithms for coverage boundary detection in wireless sensor networks. Wireless Networks, 2009, 15, 3-20.	3.0	73
61	Almost sure and Îˊmoment stability of jump linear systems. International Journal of Control, 1994, 59, 1281-1307.	1.9	72
62	Purging the Back-Room Dealing: Secure Spectrum Auction Leveraging Paillier Cryptosystem. IEEE Journal on Selected Areas in Communications, 2011, 29, 866-876.	14.0	72
63	Machine Learning-Based Handovers for Sub-6 GHz and mmWave Integrated Vehicular Networks. IEEE Transactions on Wireless Communications, 2019, 18, 4873-4885.	9.2	71
64	SPREAD: Improving network security by multipath routing in mobile ad hoc networks. Wireless Networks, 2009, 15, 279-294.	3.0	70
65	PAAS: A Privacy-Preserving Attribute-Based Authentication System for eHealth Networks. , 2012, , .		67
66	Throughput, Delay, and Mobility in Wireless Ad Hoc Networks. , 2010, , .		66
67	Performance Study of Node-Disjoint Multipath Routing in Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 1942-1950.	6.3	65
68	Privacy and emergency response in e-healthcare leveraging wireless body sensor networks. IEEE Wireless Communications, 2010, 17, 66-73.	9.0	65
69	A Trust-Based Privacy-Preserving Friend Recommendation Scheme for Online Social Networks. IEEE Transactions on Dependable and Secure Computing, 2015, 12, 413-427.	5.4	65
70	Modeling and performance analysis for wireless mobile networks: a new analytical approach. IEEE/ACM Transactions on Networking, 2005, 13, 989-1002.	3.8	64
71	An approximation algorithm for conflict-aware broadcast scheduling in wireless ad hoc networks. , 2008, , .		64
72	DataClouds: Enabling Community-Based Data-Centric Services Over the Internet of Things. IEEE Internet of Things Journal, 2014, 1, 472-482.	8.7	64

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73	Practical Privacy-Preserving ECG-Based Authentication for IoT-Based Healthcare. IEEE Internet of Things Journal, 2019, 6, 9200-9210.	8.7	64
74	Improving Transport Layer Performance in Multihop Ad Hoc Networks by Exploiting MAC Layer Information. IEEE Transactions on Wireless Communications, 2007, 6, 1692-1701.	9.2	63
75	Millimeter-Wave Network Architectures for Future High-Speed Railway Communications: Challenges and Solutions. IEEE Wireless Communications, 2016, 23, 114-122.	9.0	63
76	Protecting Location Privacy for Task Allocation in Ad Hoc Mobile Cloud Computing. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 110-121.	4.6	62
77	Optimal Placement of Gateways in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2007, 56, 3421-3430.	6.3	61
78	Quantifying Benefits in a Business Portfolio for Multi-Operator Spectrum Sharing. IEEE Transactions on Wireless Communications, 2015, 14, 6635-6649.	9.2	61
79	An ID-based Framework Achieving Privacy and Non-Repudiation in Vehicular Ad Hoc Networks. , 2007, , .		60
80	My Privacy My Decision: Control of Photo Sharing on Online Social Networks. IEEE Transactions on Dependable and Secure Computing, 2017, 14, 199-210.	5.4	60
81	Beam Management and Self-Healing for mmWave UAV Mesh Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 1718-1732.	6.3	60
82	Adversarial Examples Against the Deep Learning Based Network Intrusion Detection Systems. , 2018, , .		59
83	A secure authentication and billing architecture for wireless mesh networks. Wireless Networks, 2007, 13, 663-678.	3.0	58
84	TCP performance over mobile ad hoc networks. Canadian Journal of Electrical and Computer Engineering, 2004, 29, 129-134.	2.0	57
85	Spectrum Harvesting and Sharing in Multi-Hop CRNs Under Uncertain Spectrum Supply. IEEE Journal on Selected Areas in Communications, 2012, 30, 369-378.	14.0	57
86	Privacy-Preserving Machine Learning Algorithms for Big Data Systems. , 2015, , .		57
87	Optimal Task Recommendation for Mobile Crowdsourcing With Privacy Control. IEEE Internet of Things Journal, 2016, 3, 745-756.	8.7	57
88	A new general sufficient condition for almost sure stability of jump linear systems. IEEE Transactions on Automatic Control, 1997, 42, 378-382.	5.7	56
89	Lexicographic Maxmin Fairness for Data Collection in Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2007, 6, 762-776.	5.8	56
90	Device-Free Wireless Sensing: Challenges, Opportunities, and Applications. IEEE Network, 2018, 32, 132-137.	6.9	56

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91	Medium access control in mobilead hoc networks: challenges and solutions. Wireless Communications and Mobile Computing, 2006, 6, 151-170.	1.2	55
92	Coolest Path: Spectrum Mobility Aware Routing Metrics in Cognitive Ad Hoc Networks. , 2011, , .		55
93	Smooth Trade-Offs between Throughput and Delay in Mobile Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2012, 11, 427-438.	5.8	55
94	A general statistical channel model for mobile satellite systems. IEEE Transactions on Vehicular Technology, 2000, 49, 744-752.	6.3	54
95	Two-level pointer forwarding strategy for location management in PCS networks. IEEE Transactions on Mobile Computing, 2002, 1, 32-45.	5.8	54
96	Mobility Management Strategy Based on User Mobility Patterns in Wireless Networks. IEEE Transactions on Vehicular Technology, 2007, 56, 322-330.	6.3	54
97	Providing statistical QoS guarantee for voice over IP in the IEEE 802.11 wireless LANs. IEEE Wireless Communications, 2006, 13, 36-43.	9.0	53
98	Cognitive Capacity Harvesting Networks: Architectural Evolution Toward Future Cognitive Radio Networks. IEEE Communications Surveys and Tutorials, 2017, 19, 1902-1923.	39.4	53
99	A queueing analysis for the denial of service (DoS) attacks in computer networks. Computer Networks, 2007, 51, 3564-3573.	5.1	52
100	Optimal state estimation for stochastic systems: an information theoretic approach. IEEE Transactions on Automatic Control, 1997, 42, 771-785.	5.7	51
101	Distributed Flow Control and Medium Access in Multihop Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2006, 5, 1503-1514.	5.8	51
102	Optimal Scheduling for Multi-Radio Multi-Channel Multi-Hop Cognitive Cellular Networks. IEEE Transactions on Mobile Computing, 2015, 14, 139-154.	5.8	51
103	Smart Cities on Wheels: A Newly Emerging Vehicular Cognitive Capability Harvesting Network for Data Transportation. IEEE Wireless Communications, 2018, 25, 160-169.	9.0	49
104	Multiclass Routing and Medium Access Control for Heterogeneous Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2006, 55, 270-277.	6.3	48
105	Optimal Resource Rental Planning for Elastic Applications in Cloud Market. , 2012, , .		48
106	An Efficient Tag Search Protocol in Large-Scale RFID Systems With Noisy Channel. IEEE/ACM Transactions on Networking, 2016, 24, 703-716.	3.8	48
107	Two-step multipolling MAC protocol for wireless LANs. IEEE Journal on Selected Areas in Communications, 2005, 23, 1276-1286.	14.0	47
108	A Mobility Management Scheme for Wireless Mesh Networks. , 2007, , .		47

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109	A Privacy-Preserving Scheme for Online Social Networks with Efficient Revocation. , 2010, , .		46
110	Analytical results for optimal choice of location update interval for mobility database failure restoration in PCS networks. IEEE Transactions on Parallel and Distributed Systems, 2000, 11, 615-624.	5.6	45
111	Energy Consumption Optimization for Multihop Cognitive Cellular Networks. IEEE Transactions on Mobile Computing, 2015, 14, 358-372.	5.8	45
112	A Dynamic Pricing Strategy for Vehicle Assisted Mobile Edge Computing Systems. IEEE Wireless Communications Letters, 2019, 8, 420-423.	5.0	45
113	Rate-based transport control for mobile ad hoc networks. , 0, , .		44
114	Spectrum-Aware Anypath Routing in Multi-Hop Cognitive Radio Networks. IEEE Transactions on Mobile Computing, 2017, 16, 1176-1187.	5.8	44
115	Securing sensor networks with location-based keys. , 0, , .		43
116	Predictive Caching Strategy for On-Demand Routing Protocols in Wireless Ad Hoc Networks. Wireless Networks, 2002, 8, 671-679.	3.0	42
117	A dynamic multiple-threshold bandwidth reservation (DMTBR) scheme for QoS provisioning in multimedia wireless networks. IEEE Transactions on Wireless Communications, 2005, 4, 583-592.	9.2	42
118	A Formal Study of Trust-Based Routing in Wireless Ad Hoc Networks. , 2010, , .		42
119	The Capacity of Heterogeneous Wireless Networks. , 2010, , .		42
120	Control and data signaling decoupled architecture for railway wireless networks. IEEE Wireless Communications, 2015, 22, 103-111.	9.0	42
121	Joint Channel and Queue Aware Scheduling for Latency Sensitive Mobile Edge Computing With Power Constraints. IEEE Transactions on Wireless Communications, 2020, 19, 3938-3951.	9.2	42
122	Analytical generalized results for handoff probability in wireless networks. IEEE Transactions on Communications, 2002, 50, 396-399.	7.8	41
123	Thinning schemes for call admission control in wireless networks. IEEE Transactions on Computers, 2003, 52, 685-686.	3.4	41
124	Throughput Enhancement Through Dynamic Fragmentation in Wireless LANs. IEEE Transactions on Vehicular Technology, 2005, 54, 1415-1425.	6.3	40
125	Spectrum clouds: A session based spectrum trading system for multi-hop cognitive radio networks. , 2012, , .		40
126	Impacts of Topology and Traffic Pattern on Capacity of Hybrid Wireless Networks. IEEE Transactions on Mobile Computing, 2009, 8, 1585-1595.	5.8	39

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127	Spectrum and Energy Efficient Relay Station Placement in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 883-893.	14.0	39
128	Dynamics of a Winner-Take-All Neural Network. Neural Networks, 1996, 9, 1141-1154.	5.9	37
129	Opportunistic media access control and rate adaptation for wireless ad hoc networks. , 2004, , .		37
130	A Two-Layer Key Establishment Scheme for Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2007, 6, 1009-1020.	5.8	37
131	RescueMe: Location-Based Secure and Dependable VANETs for Disaster Rescue. IEEE Journal on Selected Areas in Communications, 2011, 29, 659-669.	14.0	37
132	An efficient tag search protocol in large-scale RFID systems. , 2013, , .		37
133	Optimal Nonuniform Steady mmWave Beamforming for High-Speed Railway. IEEE Transactions on Vehicular Technology, 2018, 67, 4350-4358.	6.3	37
134	OMAR: Utilizing Multiuser Diversity in Wireless Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2006, 5, 1764-1779.	5.8	36
135	An adaptive power controlled MAC protocol for wireless ad hoc networks. IEEE Transactions on Wireless Communications, 2009, 8, 226-233.	9.2	36
136	Joint Interference Coordination and Load Balancing for OFDMA Multihop Cellular Networks. IEEE Transactions on Mobile Computing, 2014, 13, 89-101.	5.8	36
137	Preserving Model Privacy for Machine Learning in Distributed Systems. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1808-1822.	5.6	36
138	Opportunistic packet Scheduling and Media Access control for wireless LANs and multi-hop ad hoc networks. , 2004, , .		35
139	Achieving maximum flow in interference-aware wireless sensor networks with smart antennas. Ad Hoc Networks, 2007, 5, 885-896.	5.5	35
140	Asymptotic Connectivity in Wireless Ad Hoc Networks Using Directional Antennas. IEEE/ACM Transactions on Networking, 2009, 17, 1106-1117.	3.8	35
141	Enhanced Random Access and Beam Training for Millimeter Wave Wireless Local Networks With High User Density. IEEE Transactions on Wireless Communications, 2017, 16, 7760-7773.	9.2	35
142	Joint Beamforming and Reflecting Design in Reconfigurable Intelligent Surface-Aided Multi-User Communication Systems. IEEE Transactions on Wireless Communications, 2021, 20, 3269-3283.	9.2	35
143	Enhancing the performance of medium access control for WLANs with multi-beam access point. IEEE Transactions on Wireless Communications, 2007, 6, 556-565.	9.2	34
144	Multiple multidimensional knapsack problem and its applications in cognitive radio networks. , 2008, , .		34

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145	SAT: A Security Architecture Achieving Anonymity and Traceability in Wireless Mesh Networks. IEEE Transactions on Dependable and Secure Computing, 2011, 8, 295-307.	5.4	34
146	When Spectrum Meets Clouds: Optimal Session Based Spectrum Trading under Spectrum Uncertainty. IEEE Journal on Selected Areas in Communications, 2014, 32, 615-627.	14.0	34
147	A Conditional Privacy Protection Scheme Based on Ring Signcryption for Vehicular <i>Ad Hoc</i> Networks. IEEE Internet of Things Journal, 2021, 8, 647-656.	8.7	34
148	A Storage-Friendly Routing Scheme in Intermittently Connected Mobile Network. IEEE Transactions on Vehicular Technology, 2011, 60, 1138-1149.	6.3	33
149	A Robust Dynamic Edge Network Architecture for the Internet of Things. IEEE Network, 2018, 32, 8-15.	6.9	33
150	Beef Up the Edge: Spectrum-Aware Placement of Edge Computing Services for the Internet of Things. IEEE Transactions on Mobile Computing, 2019, 18, 2783-2795.	5.8	33
151	Admission Control Based on Available Bandwidth Estimation for Wireless Mesh Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 2519-2528.	6.3	32
152	Defense against misbehavior in anonymous vehicular ad hoc networks. Ad Hoc Networks, 2009, 7, 1515-1525.	5.5	32
153	A Coverage Inference Protocol for Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2010, 9, 850-864.	5.8	32
154	A Novel Network Architecture for C/U-Plane Staggered Handover in 5G Decoupled Heterogeneous Railway Wireless Systems. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 3350-3362.	8.0	32
155	Stochastic Traffic Engineering in Multihop Cognitive Wireless Mesh Networks. IEEE Transactions on Mobile Computing, 2010, 9, 305-316.	5.8	31
156	Capacity Bounds of Three-Dimensional Wireless Ad Hoc Networks. IEEE/ACM Transactions on Networking, 2012, 20, 1304-1315.	3.8	31
157	Spectrum Management for Proactive Video Caching in Information-Centric Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 2247-2259.	14.0	31
158	New estimates for solutions of Lyapunov equations. IEEE Transactions on Automatic Control, 1997, 42, 408-411.	5.7	30
159	Actual call connection time characterization for wireless mobile networks under a general channel allocation scheme. IEEE Transactions on Wireless Communications, 2002, 1, 682-691.	9.2	30
160	Distributed packet scheduling for multihop flows in ad hoc networks. , 2004, , .		30
161	Detecting Coverage Boundary Nodes in Wireless Sensor Networks. , 0, , .		30
162	Private Data Analytics on Biomedical Sensing Data via Distributed Computation. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 431-444.	3.0	30

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163	Stable Beamforming With Low Overhead for C/U-Plane Decoupled HSR Wireless Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 6075-6086.	6.3	30
164	General modeling and performance analysis for location management in wireless mobile networks. IEEE Transactions on Computers, 2002, 51, 1169-1181.	3.4	29
165	DEAR: A Device and Energy Aware Routing protocol for heterogeneous ad hoc networks. Journal of Parallel and Distributed Computing, 2003, 63, 228-236.	4.1	29
166	SAM-MAC: An efficient channel assignment scheme for multi-channel ad hoc networks. Computer Networks, 2008, 52, 1634-1646.	5.1	29
167	DELAR: A Device-Energy-Load Aware Relaying Framework for Heterogeneous Mobile Ad Hoc Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 1572-1584.	14.0	29
168	Dynamic Magnetic Induction Wireless Communications for Autonomous-Underwater-Vehicle-Assisted Underwater IoT. IEEE Internet of Things Journal, 2020, 7, 9834-9845.	8.7	29
169	Call blocking analysis for PCS networks under general cell residence time. , 0, , .		28
170	A secure mobile electronic payment architecture platform for wireless mobile networks. IEEE Transactions on Wireless Communications, 2008, 7, 2705-2713.	9.2	28
171	On the Throughput Capacity of Heterogeneous Wireless Networks. IEEE Transactions on Mobile Computing, 2012, 11, 2073-2086.	5.8	28
172	Users First: Service-Oriented Spectrum Auction With a Two-Tier Framework Support. IEEE Journal on Selected Areas in Communications, 2016, 34, 2999-3013.	14.0	28
173	Thinning schemes for call admission control in wireless networks. IEEE Transactions on Computers, 2003, 52, 686-688.	3.4	27
174	Power controlled network protocols for Multi-Rate ad hoc networks. IEEE Transactions on Wireless Communications, 2009, 8, 2142-2149.	9.2	27
175	Latency Aware IPv6 Packet Delivery Scheme over IEEE 802.15.4 Based Battery-Free Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2017, 16, 1691-1704.	5.8	27
176	A multipath routing approach for secure data delivery. , 0, , .		26
177	SDMAC: Selectively Directional MAC protocol for wireless mobile ad hoc networks. Wireless Networks, 2009, 15, 805-820.	3.0	26
178	Traffic-aware multiple mix zone placement for protecting location privacy. , 2012, , .		26
179	Verifiable privacy-preserving monitoring for cloud-assisted mHealth systems. , 2015, , .		26
180	On the relationship between the sample path and moment lyapunov exponents for jump linear systems. IEEE Transactions on Automatic Control, 2002, 47, 1556-1560.	5.7	25

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181	Hardware and software solutions for wireless mesh network testbeds. , 2008, 46, 156-162.		25
182	Directional medium access control for ad hoc networks. Wireless Networks, 2009, 15, 1059-1073.	3.0	25
183	MABS: Multicast Authentication Based on Batch Signature. IEEE Transactions on Mobile Computing, 2010, 9, 982-993.	5.8	25
184	On the Price of Security in Large-Scale Wireless Ad Hoc Networks. IEEE/ACM Transactions on Networking, 2011, 19, 319-332.	3.8	24
185	C4: A new paradigm for providing incentives in multi-hop wireless networks. , 2011, , .		24
186	A Market Based Scheme to Integrate Distributed Wind Energy. IEEE Transactions on Smart Grid, 2013, 4, 976-984.	9.0	24
187	A privacy-preserving social-assisted mobile content dissemination scheme in DTNs. , 2013, , .		24
188	SUM: Spectrum Utilization Maximization in Energy-Constrained Cooperative Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 2105-2116.	14.0	24
189	Motivating Human-Enabled Mobile Participation for Data Offloading. IEEE Transactions on Mobile Computing, 2018, 17, 1624-1637.	5.8	24
190	A Machine Learning-Based Defensive Alerting System Against Reckless Driving in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 12227-12238.	6.3	24
191	A Fast Beam Alignment Scheme for Dual-Band HSR Wireless Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 3968-3979.	6.3	24
192	Courtesy piggybacking: supporting differentiated services in multihop mobile ad hoc networks. IEEE Transactions on Mobile Computing, 2004, 3, 380-393.	5.8	23
193	Rate-adaptive MAC protocol in high-rate personal area networks. , 0, , .		23
194	Performance of an Aggregation-Based MAC Protocol for High-Data-Rate Ultrawideband Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2007, 56, 312-321.	6.3	23
195	Deterministic Priority Channel Access Scheme for QoS Support in IEEE 802.11e Wireless LANs. IEEE Transactions on Vehicular Technology, 2009, 58, 855-864.	6.3	23
196	Capacity scaling of multihop cellular networks. , 2011, , .		23
197	The capacity of three-dimensional wireless ad hoc networks. , 2011, , .		23
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200	Available bandwidth in multirate and multihop wireless ad hoc networks. IEEE Journal on Selected Areas in Communications, 2010, 28, 299-307.	14.0	22
201	Dynamic Analysis of a General Class of Winner-Take-All Competitive Neural Networks. IEEE Transactions on Neural Networks, 2010, 21, 771-783.	4.2	22
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