

# Guoqiang Mao

## List of Publications by Year in descending order

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277  
papers

9,571  
citations

76294

40  
h-index

49868

87  
g-index

279  
all docs

279  
docs citations

279  
times ranked

7898  
citing authors

#	ARTICLE	IF	CITATIONS
1	MagMonitor: Vehicle Speed Estimation and Vehicle Classification Through A Magnetic Sensor. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1311-1322.	4.7	23
2	Towards Enhanced Recovery and System Stability: Analytical Solutions for Dynamic Incident Effects in Road Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 483-498.	4.7	15
3	On the Theoretical Analysis of Network-Wide Massive MIMO Performance and Pilot Contamination. IEEE Transactions on Wireless Communications, 2022, 21, 1077-1091.	6.1	3
4	DHCLoc: A Device-Heterogeneity-Tolerant and Channel-Adaptive Passive WiFi Localization Method Based on DNN. IEEE Internet of Things Journal, 2022, 9, 4863-4874.	5.5	9
5	The Internet of Things for Smart Roads: A Road Map From Present to Future Road Infrastructure. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 66-76.	2.6	11
6	On-Ramp Merging Strategies of Connected and Automated Vehicles Considering Communication Delay. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15298-15312.	4.7	56
7	Crowdsourcing-Based Indoor Localization With Knowledge-Aided Fingerprint Transfer. IEEE Sensors Journal, 2022, 22, 4281-4293.	2.4	3
8	Theory and techniques for intelligent wireless networks. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 1-4.	1.5	14
9	Spatio-temporal Modeling for Massive and Sporadic Access. IEEE Journal on Selected Areas in Communications, 2021, 39, 638-651.	9.7	27
10	Ultra-Dense Networks: A Holistic Analysis of Multi-Piece Path Loss, Antenna Heights, Finite Users and BS Idle Modes. IEEE Transactions on Mobile Computing, 2021, 20, 1702-1713.	3.9	5
11	Pedestrian Flow Estimation Through Passive WiFi Sensing. IEEE Transactions on Mobile Computing, 2021, 20, 1529-1542.	3.9	33
12	A Theoretical Analysis on Sampling Size in WiFi Fingerprint-Based Localization. IEEE Transactions on Vehicular Technology, 2021, 70, 3599-3608.	3.9	22
13	Engineering A Large-Scale Traffic Signal Control: A Multi-Agent Reinforcement Learning Approach. , 2021, , .		7
14	Evolution of road traffic congestion control: A survey from perspective of sensing, communication, and computation. China Communications, 2021, 18, 151-177.	2.0	11
15	A Topological Approach to Secure Message Dissemination in Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 135-148.	4.7	70
16	Fundamental Limits of Missing Traffic Data Estimation in Urban Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1191-1203.	4.7	2
17	Network Capacity Maximization Using Route Choice and Signal Control With Multiple OD Pairs. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1595-1611.	4.7	6
18	Estimation of Link Travel Time Distribution With Limited Traffic Detectors. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3730-3743.	4.7	13

#	ARTICLE	IF	CITATIONS
19	Compressive Sensing Based Channel Estimation for Millimeter-Wave Full-Dimensional MIMO With Lens-Array. IEEE Transactions on Vehicular Technology, 2020, 69, 2337-2342.	3.9	42
20	Guest Editorial 5G Wireless Communications With High Mobility. IEEE Journal on Selected Areas in Communications, 2020, 38, 2717-2722.	9.7	6
21	IEEE Access Special Section Editorial: Fog Radio Access Networks (F-RANS) for 5G: Recent Advances and Future Trends. IEEE Access, 2020, 8, 207008-207011.	2.6	2
22	A Game Theoretic Scheme for Collaborative Vehicular Task Offloading in 5G HetNets. IEEE Transactions on Vehicular Technology, 2020, 69, 16044-16056.	3.9	30
23	Artificial-Intelligence-Driven Fog Radio Access Networks: Recent Advances and Future Trends. IEEE Wireless Communications, 2020, 27, 12-13.	6.6	16
24	Latency and Reliability of mmWave Multi-Hop V2V Communications Under Relay Selections. IEEE Transactions on Vehicular Technology, 2020, 69, 9807-9821.	3.9	38
25	Principal Component Analysis-Based Broadband Hybrid Precoding for Millimeter-Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2020, 19, 6331-6346.	6.1	37
26	Congestion Propagation Based Bottleneck Identification in Urban Road Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4827-4841.	3.9	44
27	Root Cause Identification for Road Network Congestion Using the Gradient Boosting Decision Trees. , 2020, , .		0
28	Area Spectral Efficiency of Ultradense Networks. , 2020, , 54-59.		0
29	Effect of Spatial and Temporal Traffic Statistics on the Performance of Wireless Networks. IEEE Transactions on Communications, 2020, 68, 7083-7097.	4.9	10
30	Missing Data Estimation for Traffic Volume by Searching an Optimum Closed Cut in Urban Networks. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 75-86.	4.7	14
31	Interference Management in In-Band D2D Underlaid Cellular Networks. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 873-885.	4.9	10
32	Vehicle-Mounted Base Station for Connected and Autonomous Vehicles: Opportunities and Challenges. IEEE Wireless Communications, 2019, 26, 30-36.	6.6	26
33	A New Small-World IoT Routing Mechanism Based on Cayley Graphs. IEEE Internet of Things Journal, 2019, 6, 10384-10395.	5.5	15
34	Analysis of Underlaid D2D-Enhanced Cellular Networks: Interference Management and Proportional Fair Scheduler. IEEE Access, 2019, 7, 35755-35768.	2.6	7
35	Joint Time-of-Arrival Estimation for Coherent UWB Ranging in Multipath Environment With Multi-User Interference. IEEE Transactions on Signal Processing, 2019, 67, 3743-3755.	3.2	27
36	An Online Radio Map Update Scheme for WiFi Fingerprint-Based Localization. IEEE Internet of Things Journal, 2019, 6, 6909-6918.	5.5	78

#	ARTICLE	IF	CITATIONS
37	Optimal Base Station Antenna Downtilt in Downlink Cellular Networks. IEEE Transactions on Wireless Communications, 2019, 18, 1779-1791.	6.1	114
38	Estimating Link Travel Time Distribution Using Network Tomography Technique. , 2019, , .		0
39	Roadside Sensor Based Vehicle Counting Incomplex Traffic Environment. , 2019, , .		4
40	MagSpeed: A Novel Method of Vehicle Speed Estimation Through A Single Magnetic Sensor. , 2019, , .		5
41	Cost Efficiency Optimization of 5G Wireless Backhaul Networks. IEEE Transactions on Mobile Computing, 2019, 18, 2796-2810.	3.9	21
42	A Unified Spatio-Temporal Model for Short-Term Traffic Flow Prediction. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3212-3223.	4.7	89
43	Task Offloading with Network Function Requirements in a Mobile Edge-Cloud Network. IEEE Transactions on Mobile Computing, 2019, 18, 2672-2685.	3.9	63
44	DATS: Dispersive Stable Task Scheduling in Heterogeneous Fog Networks. IEEE Internet of Things Journal, 2019, 6, 3423-3436.	5.5	78
45	New Multi-Hop Clustering Algorithm for Vehicular Ad Hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1517-1530.	4.7	267
46	<i>Chimera</i>: An Energy-Efficient and Deadline-Aware Hybrid Edge Computing Framework for Vehicular Crowdsensing Applications. IEEE Internet of Things Journal, 2019, 6, 84-99.	5.5	73
47	Infrastructure-cooperative algorithm for effective intersection collision avoidance. Transportation Research Part C: Emerging Technologies, 2018, 89, 188-204.	3.9	39
48	Applying Distributed Constraint Optimization Approach to the User Association Problem in Heterogeneous Networks. IEEE Transactions on Cybernetics, 2018, 48, 1696-1707.	6.2	5
49	On the Energy-Efficient Deployment for Ultra-Dense Heterogeneous Networks With NLoS and LoS Transmissions. IEEE Transactions on Green Communications and Networking, 2018, 2, 369-384.	3.5	28
50	On the performance of greedy forwarding on Yao and Theta graphs. Journal of Parallel and Distributed Computing, 2018, 117, 87-97.	2.7	3
51	Dense Small Cell Networks: From Noise-Limited to Dense Interference-Limited. IEEE Transactions on Vehicular Technology, 2018, 67, 4262-4277.	3.9	48
52	5G Ultradense Networks With Nonuniform Distributed Users. IEEE Transactions on Vehicular Technology, 2018, 67, 2660-2670.	3.9	27
53	Performance Analysis of the Idle Mode Capability in a Dense Heterogeneous Cellular Network. IEEE Transactions on Communications, 2018, 66, 3959-3973.	4.9	11
54	DNA-GA: A Tractable Approach for Performance Analysis of Uplink Cellular Networks. IEEE Transactions on Communications, 2018, 66, 355-369.	4.9	7

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55	Socially Aware Caching Strategy in Device-to-Device Communication Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4615-4629.	3.9	51
56	Capacity of Cooperative Vehicular Networks With Infrastructure Support: Multiuser Case. IEEE Transactions on Vehicular Technology, 2018, 67, 1546-1560.	3.9	164
57	A Trade-off Between Accuracy and Complexity: Short-term Traffic Flow Prediction with Spatio-temporal Correlations. , 2018, , .		0
58	Crowd Density Mapping Based on Wi-Fi Measurements on Train Platforms. , 2018, , .		1
59	Secure Message Dissemination in Vehicular Networks: A Topological Approach. , 2018, , .		2
60	Framework for Cooperative Perception of Intelligent Vehicles: Using Improved Neighbor Discovery. , 2018, , .		0
61	MAC Layer Performance Analysis of Dense Small Cell Networks with Full Duplex. , 2018, , .		0
62	Direction-of-Arrival Estimation for Coprime Array via Virtual Array Interpolation. IEEE Transactions on Signal Processing, 2018, 66, 5956-5971.	3.2	414
63	A Unified STARIMA based Model for Short-term Traffic Flow Prediction. , 2018, , .		6
64	Urban Traffic Bottleneck Identification Based on Congestion Propagation. , 2018, , .		8
65	Ultra-Dense Networks: Is There a Limit to Spatial Spectrum Reuse?. , 2018, , .		11
66	Selected papers from IEEE/CIC ICC 2017 [Guest Editorial]. China Communications, 2018, 15, iii-v.	2.0	0
67	Small-Cell Networks With Fractal Coverage Characteristics. IEEE Transactions on Communications, 2018, 66, 5457-5469.	4.9	26
68	Performance Analysis of Dense Small Cell Networks With Dynamic TDD. IEEE Transactions on Vehicular Technology, 2018, 67, 9816-9830.	3.9	20
69	Development Trends of Mobile Communication Systems for Railways. IEEE Communications Surveys and Tutorials, 2018, 20, 3131-3141.	24.8	64
70	On the performance of multi-tier heterogeneous cellular networks with idle mode capability. , 2018, , .		1
71	Performance analysis of uplink massive MIMO networks with a finite user density. , 2018, , .		5
72	Area Spectral Efficiency of Ultradense Networks. , 2018, , 1-6.		0

#	ARTICLE	IF	CITATIONS
73	Statistical Analysis of Path Losses for Sectorized Wireless Networks. IEEE Transactions on Communications, 2017, 65, 1828-1838.	4.9	7
74	Connectivity of Communication Networks. , 2017, , .		18
75	5G green mobile communication networks. China Communications, 2017, 14, 183-184.	2.0	13
76	Connectivity of Dynamic Networks. , 2017, , 201-211.		1
77	Throughput of Infrastructure-Based Cooperative Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2964-2979.	4.7	56
78	Robust Localization Using Range Measurements With Unknown and Bounded Errors. IEEE Transactions on Wireless Communications, 2017, 16, 4065-4078.	6.1	44
79	On the Performance of Full-Duplex Multi-Relay Channels With DF Relays. IEEE Transactions on Vehicular Technology, 2017, 66, 9550-9554.	3.9	18
80	Unbalanced Expander Based Compressive Data Gathering in Clustered Wireless Sensor Networks. IEEE Access, 2017, 5, 7553-7566.	2.6	26
81	Uplink Performance Analysis of Dense Cellular Networks With LoS and NLoS Transmissions. IEEE Transactions on Wireless Communications, 2017, 16, 2601-2613.	6.1	39
82	5G wireless ultradense networks. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3208.	2.6	0
83	Multipath Cooperative Communications Networks for Augmented and Virtual Reality Transmission. IEEE Transactions on Multimedia, 2017, 19, 2345-2358.	5.2	98
84	Approximation Algorithms for Charging Reward Maximization in Rechargeable Sensor Networks via a Mobile Charger. IEEE/ACM Transactions on Networking, 2017, 25, 3161-3174.	2.6	100
85	Performance analysis of dense small cell networks with generalized fading. , 2017, , .		7
86	MLE-based localization and performance analysis in probabilistic LOS/NLOS environment. Neurocomputing, 2017, 270, 101-109.	3.5	19
87	On the security of warning message dissemination in vehicular Ad hoc networks. Journal of Communications and Information Networks, 2017, 2, 46-58.	3.5	10
88	Ultra-Dense Networks: A New Look at the Proportional Fair Scheduler. , 2017, , .		5
89	What Is the True Value of Dynamic TDD: A MAC Layer Perspective. , 2017, , .		7
90	Performance Impact of Idle Mode Capability on Dense Small Cell Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 10446-10460.	3.9	37

#	ARTICLE	IF	CITATIONS
91	Energy-efficient scheduling for buffer-aided relaying with opportunistic spectral access (invited) Tj ETQq1 1 0.784314 rgBT /Q3overlock 10		
92	Capacity of Infrastructure-Based Cooperative Vehicular Networks. , 2017, , .		1
93	What Is the Optimal Network Deployment for a Fixed Density of Antennas?. , 2017, , .		1
94	Guest Editorial: Selected Papers from the 23rd ITS World Congress, Melbourne 2016. IET Intelligent Transport Systems, 2017, 11, 613-614.	1.7	0
95	Connectivity of Two-Dimensional Small to Medium Sized Networks. , 2017, , 311-347.		0
96	Connectivity of Large Wireless Networks: Sufficient and Necessary Conditions. , 2017, , 73-102.		0
97	Information Propagation in One-Dimensional Dynamic Networks. , 2017, , 213-261.		1
98	Information Propagation in Two-Dimensional Dynamic Networks. , 2017, , 263-287.		0
99	Connectivity of One-Dimensional Small to Medium Sized Networks. , 2017, , 291-310.		0
100	Applications of Connectivity Studies. , 2017, , 383-422.		0
101	Large Network Models and Their Implications. , 2017, , 25-72.		0
102	Connectivity of Large Wireless Networks in the Presence of Interference. , 2017, , 175-198.		0
103	Critical Density for Percolation. , 2017, , 125-147.		0
104	Giant Component in Large Wireless Networks. , 2017, , 103-124.		0
105	Socially Aware Distributed Caching in Device-to-Device Communication Networks. , 2016, , .		7
106	Study on the Idle Mode Capability with LoS and NLoS Transmissions. , 2016, , .		26
107	Uplink performance analysis of dense cellular networks with LoS and NLoS transmissions. , 2016, , .		7
108	A Novel Method for Smoothing Raw GPS Data with Low Cost and High Reliability. , 2016, , .		1

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109	Cooperative content offloading through WiFi and mobile device-to-device networks. , 2016, , .		0
110	Joint Caching Placement and User Association for Minimizing User Download Delay. IEEE Access, 2016, 4, 8625-8633.	2.6	65
111	STARIMA-based traffic prediction with time-varying lags. , 2016, , .		13
112	Utility-based resource allocation for interference limited OFDMA cooperative relay networks. Physical Communication, 2016, 20, 74-84.	1.2	4
113	Vehicular Communications for 5G Cooperative Small-Cell Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7882-7894.	3.9	123
114	5G Ultra-Dense Cellular Networks. IEEE Wireless Communications, 2016, 23, 72-79.	6.6	881
115	Localization algorithm design and performance analysis in probabilistic LOS/NLOS environment. , 2016, , .		10
116	On the achievable throughput of cooperative vehicular networks. , 2016, , .		11
117	A Space-Time Analysis of LTE and Wi-Fi Inter-Working. IEEE Journal on Selected Areas in Communications, 2016, 34, 2981-2998.	9.7	9
118	DNA-GA: A new approach of network performance analysis. , 2016, , .		4
119	Probabilistic Small-Cell Caching: Performance Analysis and Optimization. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	74
120	Coverage analysis of heterogeneous cellular networks in urban areas. , 2016, , .		4
121	Robust Localization Using Time Difference of Arrivals. IEEE Signal Processing Letters, 2016, 23, 1320-1324.	2.1	29
122	Delay Performance of Network-Coding-Based Epidemic Routing. IEEE Transactions on Vehicular Technology, 2016, 65, 3676-3684.	3.9	21
123	Geographic Routing in Multilevel Scenarios of Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7740-7753.	3.9	37
124	Microscopic Analysis of the Uplink Interference in FDMA Small Cell Networks. IEEE Transactions on Wireless Communications, 2016, 15, 4277-4291.	6.1	8
125	Efficient Scheduling of Multiple Mobile Chargers for Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7670-7683.	3.9	87
126	Performance Analysis of Raptor Codes Under Maximum Likelihood Decoding. IEEE Transactions on Communications, 2016, 64, 906-917.	4.9	15



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127	Distributed Source Localization of Multi-Agent Systems With Bearing Angle Measurements. IEEE Transactions on Automatic Control, 2016, 61, 1105-1110.	3.6	31
128	Performance Impact of LoS and NLoS Transmissions in Dense Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2365-2380.	6.1	216
129	Cooperative Content Dissemination and Offloading in Heterogeneous Mobile Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 6573-6587.	3.9	40
130	User Association With Unequal User Priorities in Heterogeneous Cellular Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7374-7388.	3.9	37
131	Will the Area Spectral Efficiency Monotonically Grow as Small Cells Go Dense?. , 2015, , .		67
132	Uncoordinated Cooperative Forwarding in Vehicular Networks with Random Transmission Range. , 2015, , .		5
133	Approximation of Uplink Inter-Cell Interference in FDMA Small Cell Networks. , 2015, , .		2
134	Energy-Adaptive Downlink Resource Allocation in Wireless Cellular Systems. IEEE Transactions on Mobile Computing, 2015, 14, 1833-1846.	3.9	2
135	IEEE Access Special Section Editorial: Ultra-Dense Cellular Networks. IEEE Access, 2015, 3, 3035-3038.	2.6	2
136	Network coded non-binary LDGM codes based on lattices for a multi-access relay system. , 2015, , .		0
137	Spatial Spectrum and Energy Efficiency of Random Cellular Networks. IEEE Transactions on Communications, 2015, 63, 1019-1030.	4.9	193
138	Network Coding Based Wireless Broadcast With Performance Guarantee. IEEE Transactions on Wireless Communications, 2015, 14, 532-544.	6.1	21
139	Energy-Efficient Broadcast in Mobile Networks Subject to Channel Randomness. IEEE Transactions on Wireless Communications, 2015, 14, 2929-2941.	6.1	8
140	Interference Minimization in 5G Heterogeneous Networks. Mobile Networks and Applications, 2015, 20, 756-762.	2.2	22
141	Energy efficiency of small cell backhaul networks based on Gauss-Markov mobile models. IET Networks, 2015, 4, 158-167.	1.1	191
142	A New Measure of Wireless Network Connectivity. IEEE Transactions on Mobile Computing, 2015, 14, 1765-1779.	3.9	11
143	Design and performance analysis of network code division multiplexing for wireless sensor networks. , 2015, , .		0
144	A new cell association scheme in heterogeneous networks. , 2015, , .		7

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145	Network Code Division Multiplexing for Wireless Relay Networks. IEEE Transactions on Wireless Communications, 2015, 14, 5736-5749.	6.1	5
146	Local average consensus in distributed measurement of spatial-temporal varying parameters: 1D case. Automatica, 2015, 52, 135-145.	3.0	2
147	Multihop Uncoordinated Cooperative Forwarding in Highly Dynamic Networks. , 2015, , .		0
148	Adaptive Sensing in Emerging Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 794058.	1.3	0
149	Energy Efficiency of Cooperative Base Station Sleep Scheduling for Vehicular Networks. , 2014, , .		5
150	Achieving Bi-Channel-Connectivity with Topology Control in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 2163-2176.	9.7	20
151	Mobile converged networks: framework, optimization, and challenges. IEEE Wireless Communications, 2014, 21, 34-40.	6.6	8
152	Optimal microcell deployment for effective mobile device energy saving in heterogeneous networks. , 2014, , .		5
153	Connectivity of wireless information-theoretic secure networks. , 2014, , .		4
154	A belief propagation approach for distributed user association in heterogeneous networks. , 2014, , .		3
155	Performance analysis of distributed raptor codes in wireless relay networks. , 2014, , .		1
156	How well do Yao graph and theta graph support Greedy forwarding?. , 2014, , .		1
157	Towards Perpetual Sensor Networks via Deploying Multiple Mobile Wireless Chargers. , 2014, , .		31
158	An efficient network coding based broadcast scheme with reliability guarantee. , 2014, , .		5
159	Reliability-constrained broadcast using network coding without feedback. , 2014, , .		0
160	Bearing angle based cooperative source localization. , 2014, , .		4
161	Performance analysis of Poisson-Voronoi tessellated random cellular networks using Markov chains. , 2014, , .		12
162	Estimating distances via connectivity in wireless sensor networks. Wireless Communications and Mobile Computing, 2014, 14, 541-556.	0.8	14

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163	Stochastic Characterization of Information Propagation Process in Vehicular Ad hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 122-135.	4.7	48
164	Capacity of Large Wireless Networks with Generally Distributed Nodes. IEEE Transactions on Wireless Communications, 2014, 13, 1678-1691.	6.1	13
165	Spectrum and Energy Efficiency Evaluation of Two-Tier Femtocell Networks With Partially Open Channels. IEEE Transactions on Vehicular Technology, 2014, 63, 1306-1319.	3.9	99
166	Transport Capacity of Distributed Wireless CSMA Networks. IEEE Transactions on Wireless Communications, 2014, 13, 5635-5647.	6.1	3
167	Cooperative information forwarding in vehicular networks subject to channel randomness. , 2014, , .		5
168	Cooperative Spectrum Sharing Between Cellular and Ad-Hoc Networks. IEEE Transactions on Wireless Communications, 2014, 13, 4025-4037.	6.1	35
169	Approximation of Uplink Inter-Cell Interference in FDMA Small Cell Networks. , 2014, , .		0
170	Will the Area Spectral Efficiency Monotonically Grow as Small Cells Go Dense?. , 2014, , .		1
171	Uncoordinated Cooperative Forwarding in Vehicular Networks with Random Transmission Range. , 2014, , .		0
172	Road traffic density estimation in vehicular networks. , 2013, , .		10
173	Connectivity of Large Wireless Networks Under A General Connection Model. IEEE Transactions on Information Theory, 2013, 59, 1761-1772.	1.5	33
174	Improving reliability in lossy wireless networks using network coding. , 2013, , .		3
175	Optimization of subcarrier allocation in highly dynamic cellular relay networks. , 2013, , .		0
176	Critical Density for Connectivity in 2D and 3D Wireless Multi-Hop Networks. IEEE Transactions on Wireless Communications, 2013, 12, 1512-1523.	6.1	16
177	Cooperative spectrum sharing in wireless ad-hoc networks. , 2013, , .		2
178	Performance Analysis of Distributed Raptor Codes in Wireless Sensor Networks. IEEE Transactions on Communications, 2013, 61, 4357-4368.	4.9	16
179	Cooperative Energy Efficiency Modeling and Performance Analysis in Co-Channel Interference Cellular Networks. Computer Journal, 2013, 56, 1010-1019.	1.5	2
180	Guest Editorial: Special section on graph theory and its application in vehicular networking. IEEE Transactions on Vehicular Technology, 2013, 62, 1433-1434.	3.9	0

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181	Analysis of the Uplink Maximum Achievable Rate With Location-Dependent Intercell Signal Interference Factors Based on Linear Wyner Model. IEEE Transactions on Vehicular Technology, 2013, 62, 4615-4628.	3.9	7
182	Towards a Simple Relationship to Estimate the Capacity of Static and Mobile Wireless Networks. IEEE Transactions on Wireless Communications, 2013, 12, 3883-3895.	6.1	18
183	Analytical characterization of computationally efficient localization techniques. , 2013, , .		0
184	A capacity upper bound for large wireless networks with generally distributed nodes. , 2013, , .		0
185	Reliability of all-to-all broadcast with network coding. , 2013, , .		0
186	Opportunistic broadcast in mobile ad-hoc networks subject to channel randomness. , 2013, , .		3
187	On the quality of wireless network connectivity. , 2012, , .		4
188	Uncoordinated cooperative truncated ARQ schemes in wireless systems. , 2012, , .		0
189	Research on wireless multi-hop networks: Current state and challenges. , 2012, , .		11
190	On the information propagation process in multi-lane vehicular ad-hoc networks. , 2012, , .		12
191	Capacity of interference-limited three dimensional CSMA networks. , 2012, , .		2
192	On information dissemination in infrastructure-based mobile ad-hoc networks. , 2012, , .		6
193	On the Hop Count Statistics in Wireless Multihop Networks Subject to Fading. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1275-1287.	4.0	19
194	Connectivity of Large-Scale CSMA Networks. IEEE Transactions on Wireless Communications, 2012, 11, 2266-2275.	6.1	17
195	On the Properties of One-Dimensional Infrastructure-Based Wireless Multi-Hop Networks. IEEE Transactions on Wireless Communications, 2012, 11, 2606-2615.	6.1	14
196	An upper bound on transmission capacity of wireless CSMA networks. , 2012, , .		0
197	Towards a Better Understanding of Large-Scale Network Models. IEEE/ACM Transactions on Networking, 2012, 20, 408-421.	2.6	103
198	A necessary condition for connected wireless CSMA multi-hop networks. , 2012, , .		0

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199	On graphs supporting greedy forwarding for directional wireless networks. , 2012, , .		2
200	Energy-Efficient Video Multicast in 4G Wireless Systems. IEEE Transactions on Mobile Computing, 2012, 11, 1508-1522.	3.9	43
201	Uncoordinated Cooperative Communications with Spatially Random Relays. IEEE Transactions on Wireless Communications, 2012, 11, 3126-3135.	6.1	38
202	Uncoordinated Cooperative Communications in Highly Dynamic Wireless Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 280-288.	9.7	17
203	Multi-Hop Connectivity Probability in Infrastructure-Based Vehicular Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 740-747.	9.7	107
204	Wireless Multi-hop Networks: Current Research and Future Challenges. Journal of Communications, 2012, 7, .	1.3	5
205	Analytical Bounds on the Critical Density for Percolation in Wireless Multi-Hop Networks. , 2011, , .		2
206	Analysis of Access and Connectivity Probabilities in Vehicular Relay Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 140-150.	9.7	121
207	Connectivity of Wireless CSMA Multi-Hop Networks. , 2011, , .		1
208	On the Information Propagation Process in Mobile Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 2314-2325.	3.9	55
209	The Maximum Throughput of A Wireless Multi-Hop Path. Mobile Networks and Applications, 2011, 16, 46-57.	2.2	3
210	Use of flip ambiguity probabilities in robust sensor network localization. Wireless Networks, 2011, 17, 1157-1171.	2.0	17
211	On the k-hop partial connectivity in finite wireless multi-hop networks. , 2011, , .		4
212	On the asymptotic connectivity of random networks under the random connection model. , 2011, , .		14
213	On the Information Propagation in Mobile Ad-Hoc Networks Using Epidemic Routing. , 2011, , .		7
214	Analysis of Flip Ambiguities for Robust Sensor Network Localization. IEEE Transactions on Vehicular Technology, 2010, 59, 2057-2070.	3.9	68
215	Analysis of Access and Connectivity Probabilities in Infrastructure-Based Vehicular Relay Networks. , 2010, , .		11
216	Connectivity-Based Distance Estimation in Wireless Sensor Networks. , 2010, , .		14

#	ARTICLE	IF	CITATIONS
217	Properties of 1-D Infrastructure-Based Wireless Multi-Hop Networks. , 2010, , .		3
218	On the Information Propagation Speed in Mobile Vehicular Ad Hoc Networks. , 2010, , .		9
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