Martin Haenggi

List of Publications by Year
in descending order

267 papers	14,270 citations	41344 49 h-index	31849 101 g-index
273 all docs	273 docs citations	273 times ranked	5893 citing authors

#	Article	IF	Citations
1	Performance Analysis of Inter-Cell Interference Coordination in mm-Wave Cellular Networks. IEEE Transactions on Wireless Communications, 2022, 21, 726-738.	9.2	9
2	Directivity in RF Sensor Networks for Widespread Spectrum Monitoring. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 778-792.	7.9	3
3	Cox Models for Vehicular Networks: SIR Performance and Equivalence. IEEE Transactions on Wireless Communications, 2021, 20, 171-185.	9.2	15
4	The Energy Correlation Coefficient and its Key Role in Wirelessly Powered Networks. IEEE Transactions on Wireless Communications, 2021, 20, 8233-8247.	9.2	2
5	Stochastic Geometry Analysis of Spatial-Temporal Performance in Wireless Networks: A Tutorial. IEEE Communications Surveys and Tutorials, 2021, 23, 2753-2801.	39.4	31
6	The Transdimensional Poisson Process for Vehicular Network Analysis. IEEE Transactions on Wireless Communications, 2021, 20, 8023-8038.	9.2	4
7	Joint Spatial-Propagation Modeling of Cellular Networks Based on the Directional Radii of Poisson Voronoi Cells. IEEE Transactions on Wireless Communications, 2021, 20, 3240-3253.	9.2	2
8	Energy Correlation Coefficient in Wirelessly Powered Networks with Energy Beamforming. , 2021, , .		1
9	Meta Distributionsâ€"Part 1: Definition and Examples. IEEE Communications Letters, 2021, 25, 2089-2093.	4.1	13
10	Meta Distributionsâ€"Part 2: Properties and Interpretations. IEEE Communications Letters, 2021, 25, 2094-2098.	4.1	12
11	The SINR Meta Distribution in Poisson Cellular Networks. IEEE Wireless Communications Letters, 2021, 10, 1385-1389.	5.0	3
12	Downlink Analysis for the Typical Cell in Poisson Cellular Networks. IEEE Wireless Communications Letters, 2020, 9, 336-339.	5.0	9
13	Separability, Asymptotics, and Applications of the SIR Meta Distribution in Cellular Networks. IEEE Transactions on Wireless Communications, 2020, 19, 4806-4816.	9.2	16
14	Success Probability in Wirelessly Powered Networks with Energy Correlation. , 2020, , .		1
15	Distance from the Nucleus to a Uniformly Random Point in the 0-Cell and the Typical Cell of the Poissonâ€"Voronoi Tessellation. Journal of Statistical Physics, 2020, 181, 1678-1698.	1.2	10
16	A Tractable Model for Wirelessly Powered Networks With Energy Correlation. IEEE Transactions on Wireless Communications, 2020, 19, 5765-5778.	9.2	6
17	SIR Analysis Via Signal Fractions. IEEE Communications Letters, 2020, 24, 1358-1362.	4.1	5
18	Anywhere Decoding: Low-Overhead Uplink Interference Management for Wireless Networks. IEEE Transactions on Wireless Communications, 2020, 19, 4095-4108.	9.2	0

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19	The Energized Point Process as a Model for Wirelessly Powered Communication Networks. IEEE Transactions on Green Communications and Networking, 2020, 4, 832-844.	5.5	5
20	Meta Distribution of the SIR in Moving Networks. IEEE Transactions on Communications, 2020, 68, 3614-3626.	7.8	16
21	The Joint and Product Meta Distributions of the SIR and Their Applications to Secrecy and Cooperation. IEEE Transactions on Wireless Communications, 2020, 19, 4408-4423.	9.2	4
22	A Location-Dependent Base Station Cooperation Scheme for Cellular Networks. IEEE Transactions on Communications, 2019, 67, 6415-6426.	7.8	23
23	Energy Correlation in Wirelessly Powered Networks. , 2019, , .		3
24	Performance of Next-Generation Cellular Networks Guarded With Frequency Reuse Distance. IEEE Transactions on Communications, 2019, 67, 7277-7287.	7.8	10
25	The End-to-End Performance of Rateless Codes in Poisson Bipolar and Cellular Networks. IEEE Transactions on Communications, 2019, 67, 8072-8085.	7.8	7
26	Non-Orthogonal Multiple Access (NOMA) in Uplink Poisson Cellular Networks With Power Control. IEEE Transactions on Communications, 2019, 67, 8021-8036.	7.8	18
27	An ASAPPP Approach to the Spectrum Allocation in General Heterogeneous Cellular Networks. IEEE Access, 2019, 7, 89141-89151.	4.2	1
28	Per-Link Reliability and Rate Control: Two Facets of the SIR Meta Distribution. IEEE Wireless Communications Letters, 2019, 8, 1244-1247.	5.0	11
29	Delay Characterization of Rateless Codes in Wireless Ad Hoc Networks. , 2019, , .		2
30	SINR and Rate Meta Distributions for HCNs With Joint Spectrum Allocation and Offloading. IEEE Transactions on Communications, 2019, 67, 3709-3722.	7.8	19
31	SIR Meta Distribution for Spatiotemporal Cooperation in Poisson Cellular Networks. IEEE Access, 2019, 7, 73617-73626.	4.2	7
32	SIR Meta Distribution of K -Tier Downlink Heterogeneous Cellular Networks With Cell Range Expansion. IEEE Transactions on Communications, 2019, 67, 3069-3081.	7.8	32
33	Simple Approximations of the SIR Meta Distribution in General Cellular Networks. IEEE Transactions on Communications, 2019, 67, 4393-4406.	7.8	24
34	Massive MIMO Forward Link Analysis for Cellular Networks. IEEE Transactions on Wireless Communications, 2019, 18, 2964-2976.	9.2	29
35	Meta Distribution Analysis of the Downlink SIR for the Typical Cell in a Poisson Cellular Network. , 2019, , .		7
36	Inter-Cell Interference Coordination in Millimeter-Wave Cellular Networks. , 2019, , .		3

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37	The Impact of Beamforming on Energy Correlation in mm-Wave Wirelessly Powered Networks. , 2019, , .		0
38	A Transdimensional Poisson Model for Vehicular Networks. , 2019, , .		3
39	Distribution of the Number of Users per Base Station in Cellular Networks. IEEE Wireless Communications Letters, 2019, 8, 520-523.	5.0	33
40	On the Location-Dependent SIR Gain in Cellular Networks. IEEE Wireless Communications Letters, 2019, 8, 777-780.	5.0	15
41	The Energy and Rate Meta Distributions in Wirelessly Powered D2D Networks. IEEE Journal on Selected Areas in Communications, 2019, 37, 269-282.	14.0	45
42	Downlink Non-Orthogonal Multiple Access (NOMA) in Poisson Networks. IEEE Transactions on Communications, 2019, 67, 1613-1628.	7.8	62
43	A Novel Approximate Antenna Pattern for Directional Antenna Arrays. IEEE Wireless Communications Letters, 2018, 7, 832-835.	5.0	15
44	Traffic Allocation for Low-Latency Multi-Hop Networks With Buffers. IEEE Transactions on Communications, 2018, 66, 3999-4013.	7.8	19
45	Millimeter-Wave Device-to-Device Networks With Heterogeneous Antenna Arrays. IEEE Transactions on Communications, 2018, 66, 4271-4285.	7.8	31
46	The SIR Meta Distribution in Poisson Cellular Networks With Base Station Cooperation. IEEE Transactions on Communications, 2018, 66, 1234-1249.	7.8	62
47	The Meta Distribution of the SIR for Cellular Networks With Power Control. IEEE Transactions on Communications, 2018, 66, 1745-1757.	7.8	79
48	The Spatial Outage Capacity of Wireless Networks. IEEE Transactions on Wireless Communications, 2018, 17, 3709-3722.	9.2	22
49	Coherent Joint Transmission in Downlink Heterogeneous Cellular Networks. IEEE Wireless Communications Letters, 2018, 7, 274-277.	5.0	8
50	SIR Meta Distribution in Physical Layer Security with Interference Correlation. , 2018, , .		2
51	Nearest-Vehicle Communication in Regular Street Systems. , 2018, , .		0
52	A Simple Approximation of the Meta Distribution for Non-Poisson Cellular Networks. , 2018, , .		3
53	The Meta Distribution of the SINR and Rate in Heterogeneous Cellular Networks. , 2018, , .		2
54	A Unified Framework for the Tractable Analysis of Multi-Antenna Wireless Networks. IEEE Transactions on Wireless Communications, 2018, 17, 7965-7980.	9.2	21

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55	Analyzing Non-Orthogonal Multiple Access (NOMA) in Downlink Poisson Cellular Networks. , 2018, , .		9
56	Stochastic Geometry Modeling and Analysis of Single-and Multi-Cluster Wireless Networks. IEEE Transactions on Communications, 2018, , 1-1.	7.8	26
57	A tunable base station cooperation scheme for poisson cellular networks. , 2018, , .		7
58	Success probability of millimeter-wave D2D networks with heterogeneous antenna arrays. , 2018, , .		3
59	On the SIR Meta Distribution for Poisson Networks With Interference Cancellation. IEEE Wireless Communications Letters, 2018, 7, 26-29.	5.0	14
60	Vehicle Distributions in Large and Small Cities: Spatial Models and Applications. IEEE Transactions on Vehicular Technology, 2018, 67, 10176-10189.	6.3	22
61	The Benefits of Hybrid Caching in Gaussâ€“Poisson D2D Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 1217-1230.	14.0	38
62	Efficient Calculation of Meta Distributions and the Performance of User Percentiles. IEEE Wireless Communications Letters, 2018, 7, 982-985.	5.0	22
63	Scalable Transmission Over Heterogeneous Networks: A Stochastic Geometry Analysis. IEEE Transactions on Vehicular Technology, 2017, 66, 1845-1859.	6.3	11
64	Unique coverage in Boolean models. Statistics and Probability Letters, 2017, 123, 1-7.	0.7	3
65	User Point Processes in Cellular Networks. IEEE Wireless Communications Letters, 2017, 6, 258-261.	5.0	82
66	Downlink Coordinated Joint Transmission for Mutual Information Accumulation. IEEE Wireless Communications Letters, 2017, 6, 198-201.	5.0	9
67	Enhanced Cellular Coverage and Throughput Using Rateless Codes. IEEE Transactions on Communications, 2017, 65, 1899-1912.	7.8	17
68	Analysis of D2D Underlaid Cellular Networks: SIR Meta Distribution and Mean Local Delay. IEEE Transactions on Communications, 2017, 65, 2904-2916.	7.8	74
69	Coverage Analysis for Millimeter Wave Networks: The Impact of Directional Antenna Arrays. IEEE Journal on Selected Areas in Communications, 2017, 35, 1498-1512.	14.0	164
70	The Effect of Spatial Interference Correlation and Jamming on Secrecy in Cellular Networks. IEEE Wireless Communications Letters, 2017, 6, 530-533.	5.0	16
71	A Message From the New Editor-in-Chief. IEEE Transactions on Wireless Communications, 2017, 16, 680-682.	9.2	0
72	Continuum percolation with holes. Statistics and Probability Letters, 2017, 126, 212-218.	0.7	5

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73	Ergodic Spectral Efficiency in MIMO Cellular Networks. IEEE Transactions on Wireless Communications, 2017, 16, 2835-2849.	9.2	68
74	A novel approach for spectral efficiency analysis in MIMO cellular networks. , 2017, , .		1
75	A Fine-Grained Analysis of Millimeter-Wave Device-to-Device Networks. IEEE Transactions on Communications, 2017, 65, 4940-4954.	7.8	80
76	Toward a Tractable Delay Analysis in Ultra-Dense Networks. , 2017, 55, 103-109.		42
77	Reliability Analysis of V2V Communications on Orthogonal Street Systems. , 2017, , .		20
78	Spatial Point Process Modeling of Vehicles in Large and Small Cities. , 2017, , .		8
79	Distributed Rate Control for High Reliability in Poisson Bipolar Networks. , 2017, , .		2
80	The Meta Distribution of the SINR in mm-Wave D2D Networks. , 2017, , .		2
81	Spatial outage capacity of poisson bipolar networks. , 2017, , .		6
82	Geometric analysis of distributed power control and MÃ¶bius MAC design. Wireless Communications and Mobile Computing, 2016, 16, 590-606.	1.2	0
83	Throughput Enhancements on Cellular Downlink Channels Using Rateless Codes. , 2016, , .		1
84	The Gaussâ€“Poisson Process for Wireless Networks and the Benefits of Cooperation. IEEE Transactions on Communications, 2016, 64, 1916-1929.	7.8	32
85	SIR asymptotics in poisson cellular networks without fading and with partial fading. , 2016, , .		6
86	On the Stability of Static Poisson Networks Under Random Access. IEEE Transactions on Communications, 2016, 64, 2985-2998.	7.8	82
87	Approximate SIR Analysis in General Heterogeneous Cellular Networks. IEEE Transactions on Communications, 2016, 64, 1259-1273.	7.8	36
88	The Meta Distribution of the SIR in Poisson Bipolar and Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2577-2589.	9.2	217
89	Interference Functionals in Poisson Networks. IEEE Transactions on Information Theory, 2016, 62, 370-383.	2.4	47
90	Asymptotics and Approximation of the SIR Distribution in General Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2130-2143.	9.2	75

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91	A Stochastic Geometry Approach to the Modeling of DSRC for Vehicular Safety Communication. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1448-1458.	8.0	89
92	Bethe and M-Bethe Permanent Inequalities. , 2015, , .		0
93	Delay analysis in static poisson network. , 2015, , .		3
94	A Throughput-Optimum Adaptive ALOHA MAC Scheme for Full-Duplex Wireless Networks. , 2015, , .		4
95	A Simple Approximative Approach to the SIR Analysis in General Heterogeneous Cellular Networks. , 2015, , .		1
96	Joint Spatial and Propagation Models for Cellular Networks. , 2015, , .		2
97	Asymptotic Deployment Gain: A Simple Approach to Characterize the SINR Distribution in General Cellular Networks. IEEE Transactions on Communications, 2015, 63, 962-976.	7.8	62
98	Stability analysis of static Poisson networks. , 2015, , .		3
99	SIR asymptotics in general cellular network models. , 2015, , .		5
100	On the Impact of Coordination on Local Delay and Energy Efficiency in Poisson Networks. IEEE Wireless Communications Letters, 2015, 4, 241-244.	5.0	6
101	The Ginibre Point Process as a Model for Wireless Networks With Repulsion. IEEE Transactions on Wireless Communications, 2015, 14, 107-121.	9.2	177
102	Throughput analysis for wireless networks with full-duplex radios. , 2015, , .		10
103	User-Centric Intercell Interference Nulling for Downlink Small Cell Networks. IEEE Transactions on Communications, 2015, 63, 1419-1431.	7.8	90
104	Spatiotemporal Cooperation in Heterogeneous Cellular Networks. IEEE Journal on Selected Areas in Communications, 2015, 33, 1253-1265.	14.0	44
105	Heterogeneous Cellular Network Models With Dependence. IEEE Journal on Selected Areas in Communications, 2015, 33, 2167-2181.	14.0	84
106	Prototype of Virtual Full Duplex via Rapid On-Off-Division Duplex. IEEE Transactions on Communications, 2015, 63, 3829-3841.	7.8	15
107	Scalable transmission over heterogenous networks. , 2015, , .		4
108	Throughput Analysis for Full-Duplex Wireless Networks With Imperfect Self-Interference Cancellation. IEEE Transactions on Communications, 2015, 63, 4490-4500.	7.8	104

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109	Sentry Selection in Sensor Networks: Theory and Algorithms. International Journal of Sensor Networks, 2015, 1, 1.	0.4	0
110	A heterogeneous cellular network model with inter-tier dependence. , 2014, , .		17
111	Success probabilities in Gauss-Poisson networks with and without cooperation. , 2014, , .		7
112	Cellular network coverage with inter-cell interference coordination and intra-cell diversity. , 2014, , .		2
113	Traffic management in random cellular networks. , 2014, , .		6
114	The Mean Interference-to-Signal Ratio and Its Key Role in Cellular and Amorphous Networks. IEEE Wireless Communications Letters, 2014, 3, 597-600.	5.0	69
115	Outage and capacity of heterogeneous cellular networks with intra-tier dependence. , 2014, , .		5
116	Cooperative retransmission in heterogeneous cellular networks. , 2014, , .		4
117	Asymptotic deployment gain: A new approach to characterize coverage probability. , 2014, , .		3
118	Stochastic analysis of the mean interference for the RTS/CTS mechanism. , 2014, , .		11
119	A Stochastic Geometry Analysis of Inter-Cell Interference Coordination and Intra-Cell Diversity. IEEE Transactions on Wireless Communications, 2014, 13, 6655-6669.	9.2	179
120	Optimal base station density for power efficiency in cellular networks. , 2014, , .		12
121	Delay Characterization of Multihop Transmission in a Poisson Field of Interference. IEEE/ACM Transactions on Networking, 2014, 22, 1794-1807.	3.8	32
122	Coordinated Multipoint Joint Transmission in Heterogeneous Networks. IEEE Transactions on Communications, 2014, 62, 4134-4146.	7.8	233
123	Interference and Outage in Mobile Random Networks: Expectation, Distribution, and Correlation. IEEE Transactions on Mobile Computing, 2014, 13, 337-349.	5.8	134
124	Joint design of channel and network coding for star networks connected by binary symmetric channels. IEEE Transactions on Communications, 2014, 62, 158-169.	7.8	3
125	Managing Interference Correlation Through Random Medium Access. IEEE Transactions on Wireless Communications, 2014, 13, 928-941.	9.2	59
126	Dynamic connectivity and path formation time in Poisson networks. Wireless Networks, 2014, 20, 579-589.	3.0	8

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127	The Performance of Successive Interference Cancellation in Random Wireless Networks. IEEE Transactions on Information Theory, 2014, 60, 6368-6388.	2.4	101
128	Combining stochastic geometry and statistical mechanics for the analysis and design of mesh networks. Ad Hoc Networks, 2014, 13, 110-122.	5.5	6
129	A Simple Approximative Approach to the SIR Analysis in General Heterogeneous Cellular Networks. , 2014, , .		0
130	Joint Spatial and Propagation Models for Cellular Networks. , 2014, , .		0
131	Bethe and M-Bethe Permanent Inequalities. , 2014, , .		0
132	A Throughput-Optimum Adaptive ALOHA MAC Scheme for Full-Duplex Wireless Networks. , 2014, , .		0
133	Stochastic Geometry for Modeling, Analysis, and Design of Multi-Tier and Cognitive Cellular Wireless Networks: A Survey. IEEE Communications Surveys and Tutorials, 2013, 15, 996-1019.	39.4	806
134	Percolation in the secrecy graph. Discrete Applied Mathematics, 2013, 161, 2120-2132.	0.9	14
135	Coordinated multipoint in heterogeneous networks: A stochastic geometry approach. , 2013, , .		21
136	The Local Delay in Mobile Poisson Networks. IEEE Transactions on Wireless Communications, 2013, 12, 4766-4777.	9.2	56
137	Delay scaling in poisson networks. , 2013, , .		2
138	Successive interference cancellation in downlink heterogeneous cellular networks. , 2013, , .		10
139	The aggregate throughput in random wireless networks with successive interference cancellation. , 2013, , .		9
140	The Diversity Gain of Retransmissions in Poisson Networks. , 2013, , .		1
141	Guest Editorial: Special section on graph theory and its application in vehicular networking. IEEE Transactions on Vehicular Technology, 2013, 62, 1433-1434.	6.3	0
142	Secrecy Coverage. Internet Mathematics, 2013, 9, 199-216.	0.7	5
143	Spatial Stochastic Models and Metrics for the Structure of Base Stations in Cellular Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5800-5812.	9.2	226
144	On decoding the kth strongest user in poisson networks with arbitrary fading distribution. , 2013, , .		7

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145	Joint channel/network coding for star networks. , 2013, , .		2
146	Diversity Polynomials for the Analysis of Temporal Correlations in Wireless Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5940-5951.	9.2	71
147	The Local Delay in Poisson Networks. IEEE Transactions on Information Theory, 2013, 59, 1788-1802.	2.4	119
148	ALOHA performs optimal power control in Poisson networks. , 2012, , .		1
149	Diversity Loss Due to Interference Correlation. IEEE Communications Letters, 2012, 16, 1600-1603.	4.1	73
150	Optimizing spatial reuse by dynamic power control. , 2012, , .		4
151	Delay-optimal Power Control Policies. IEEE Transactions on Wireless Communications, 2012, 11, 3518-3527.	9.2	29
152	Superposition Coding Strategies: Design and Experimental Evaluation. IEEE Transactions on Wireless Communications, 2012, 11, 2628-2639.	9.2	133
153	Interference and Outage in Poisson Cognitive Networks. IEEE Transactions on Wireless Communications, 2012, 11, 1392-1401.	9.2	247
154	Transport density vs. channel access time in wireless networks: Power control and efficient mac design. , 2012, , .		1
155	Interference-induced diversity loss in poisson SIMO networks. , 2012, , .		0
156	The performance of successive interference cancellation in random wireless networks. , 2012, , .		8
157	A Statistical Mechanics-Based Framework to Analyze Ad Hoc Networks with Random Access. IEEE Transactions on Mobile Computing, 2012, 11, 618-630.	5.8	9
158	Random Power Control in Poisson Networks. IEEE Transactions on Communications, 2012, 60, 2602-2611.	7.8	52
159	A practical approach to strengthen vulnerable downlinks using superposition coding. , 2012, , .		2
160	Spatial Analysis of Opportunistic Downlink Relaying in a Two-Hop Cellular System. IEEE Transactions on Communications, 2012, 60, 1443-1450.	7.8	24
161	Percolation in the secrecy graph. , 2011, , .		7
162	Percolation in the secrecy graph: Bounds on the critical probability and impact of power constraints. , 2011, , .		2

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163	ALOHA Performs Delay-Optimum Power Control. , 2011, , .		0
164	Outage Probability of General Ad Hoc Networks in the High-Reliability Regime. IEEE/ACM Transactions on Networking, 2011, 19, 1151-1163.	3.8	54
165	Convergence Speed of the Consensus Algorithm With Interference and Sparse Long-Range Connectivity. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 855-865.	10.8	12
166	Mean Interference in Hard-Core Wireless Networks. IEEE Communications Letters, 2011, 15, 792-794.	4.1	204
167	High-SIR Transmission Capacity of Wireless Networks With General Fading and Node Distribution. IEEE Transactions on Information Theory, 2011, 57, 3100-3116.	2.4	56
168	Interference statistics of a poisson field of interferers with random puncturing. , 2011, , .		9
169	Temporal Correlation of the Interference in Mobile Random Networks. , 2011, , .		11
170	On the optimal block length for joint channel and network coding. , 2011, , .		11
171	Scheduling using Superposition Coding: Design and Software Radio implementation. , 2011, , .		3
172	Delay Analysis of Spatio-Temporal Channel Access for Cognitive Networks. , 2011, , .		7
173	A Location-Based MAC Scheme for Random Wireless Network. , 2011, , .		3
174	Distance Distributions in Finite Uniformly Random Networks: Theory and Applications. IEEE Transactions on Vehicular Technology, 2010, 59, 940-949.	6.3	322
175	Limit of the Transport Capacity of a Dense Wireless Network. Journal of Applied Probability, 2010, 47, 886-892.	0.7	4
176	Reliable data delivery in large-scale low-power sensor networks. ACM Transactions on Sensor Networks, 2010, 6, 1-41.	3.6	34
177	Implementation and Experimental Results of Superposition Coding on Software Radio. , 2010, , .		13
178	Optimal Spatial Reuse in Poisson Multi-Hop Networks. , 2010, , .		5
179	Throughput-delay-reliability tradeoffs in multihop networks with random access. , 2010, , .		13
180	Local Delay in Static and Highly Mobile Poisson Networks with ALOHA. , 2010, , .		30

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181	Mobility and Fading: Two Sides of the Same Coin. , 2010, , .		18
182	Coordinated Packet Transmission in Random Wireless Networks. , 2010, , .		3
183	Local delay in Poisson networks with and without interference. , 2010, , .		13
184	Random-Access Poisson Networks: Stability and Delay. IEEE Communications Letters, 2010, 14, 1035-1037.	4.1	46
185	A primer on spatial modeling and analysis in wireless networks. , 2010, 48, 156-163.		314
186	Analysis of the benefits of Superposition Coding in random wireless networks. , 2010, , .		3
187	The delay-optimal number of hops in Poisson multi-hop networks. , 2010, , .		12
188	Random access transport capacity. IEEE Transactions on Wireless Communications, 2010, 9, 2101-2111.	9.2	86
189	The TASEP: A Statistical Mechanics Tool to Study the Performance of Wireless Line Networks. , 2010, , .		4
190	Secrecy coverage. , 2010, , .		15
191	Interference and Outage in Doubly Poisson Cognitive Networks. , 2010, , .		12
192	Asymptotic outage analysis of general motion-invariant Ad Hoc Networks. , 2010, , .		1
193	Limit of the Transport Capacity of a Dense Wireless Network. Journal of Applied Probability, 2010, 47, 886-892.	0.7	4
194	Effect of Network Geometry and Interference onÂConsensus in Wireless Networks. Springer Optimization and Its Applications, 2010, , 125-143.	0.9	0
195	Lifetime Benefits through Load Balancing in Homogeneous Sensor Networks. , 2009, , .		7
196	Distributed Averaging in Dense Wireless Networks. , 2009, , .		1
197	Performance analysis of MAC protocols in wireless line networks using statistical mechanics. , 2009, , .		6
198	A simple upper bound on random access transport capacity. , 2009, , .		2

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199	On consensus over stochastically switching directed topologies. , 2009, , .		2
200	Correction to â€œA Geometric Interpretation of Fading in Wireless Networks: Theory and Applicationsâ€• [Dec 08 5500-5510]. IEEE Transactions on Information Theory, 2009, 55, 1939-1939.	2.4	0
201	Interference and Outage in Clustered WirelessAd HocNetworks. IEEE Transactions on Information Theory, 2009, 55, 4067-4086.	2.4	323
202	Towards an end-to-end delay analysis of wireless multihop networks. Ad Hoc Networks, 2009, 7, 849-861.	5.5	55
203	Guest editorial: geometry and random graphs for the analysis and design of wireless networks. IEEE Journal on Selected Areas in Communications, 2009, 27, 1025-1028.	14.0	9
204	A delay-minimizing routing strategy for wireless multi-hop networks. , 2009, , .		23
205	Outage, local throughput, and capacity of random wireless networks. IEEE Transactions on Wireless Communications, 2009, 8, 4350-4359.	9.2	111
206	Path loss exponent estimation in large wireless networks. , 2009, , .		44
207	Bounds on the information propagation delay in interference-limited ALOHA networks. , 2009, , .		13
208	Analysis of uncoordinated opportunistic two-hop wireless ad hoc systems. , 2009, , .		17
209	Stochastic geometry and random graphs for the analysis and design of wireless networks. IEEE Journal on Selected Areas in Communications, 2009, 27, 1029-1046.	14.0	1,359
210	Spatial and temporal correlation of the interference in ALOHA ad hoc networks. IEEE Communications Letters, 2009, 13, 631-633.	4.1	180
211	A Geometric Interpretation of Fading in Wireless Networks: Theory and Applications. IEEE Transactions on Information Theory, 2008, 54, 5500-5510.	2.4	95
212	Arbutus: Network-Layer Load Balancing for Wireless Sensor Networks. , 2008, , .		21
213	Rethinking information theory for mobile ad hoc networks. , 2008, 46, 94-101.		167
214	Distributed spectrum-efficient routing algorithms in wireless networks. IEEE Transactions on Wireless Communications, 2008, 7, 5297-5305.	9.2	42
215	The transport capacity of a wireless network is a subadditive euclidean functional. , 2008, , .		2
216	The secrecy graph and some of its properties. , 2008, , .		108

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217	Sentry Selection in Sensor Networks: A Sufficient Condition for k Single Covers. , 2008, , .		0
218	Power-delay analysis of consensus algorithms on wireless networks with interference. , 2008, , .		2
219	Longest Edge Routing on the Spatial Aloha Graph. , 2008, , .		15
220	Interference in ad hoc networks with general motion-invariant node distributions. , 2008, , .		32
221	On the End-to-End Delay Performance of Spatially Correlated Wireless Line Networks. , 2008, , .		2
222	Interference in Large Wireless Networks. Foundations and Trends in Networking, 2008, 3, 127-248.	10.2	493
223	A Study of the Correlations Between Channel and Traffic Statistics in Multihop Networks. IEEE Transactions on Vehicular Technology, 2007, 56, 3550-3562.	6.3	9
224	Single-Hop Connectivity in Interference-Limited Hybrid Wireless Networks. , 2007, , .		18
225	Geometry, Connectivity, and Broadcast Transport Capacity of Random Networks with Fading. , 2007, , .		0
226	Distributed Spectrum-Efficient Routing Algorithms in Wireless Networks. , 2007, , .		9
227	Reactive sink mobility in wireless sensor networks. , 2007, , .		7
228	Ad Hoc Networks: To Spread or Not to Spread? [Ad Hoc and Sensor Networks]. , 2007, 45, 84-91.		60
229	Dynamic Connectivity and Packet Propagation Delay in ALOHA Wireless Networks. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	8
230	Toward Quasiregular Sensor Networks: Topology Control Algorithms for Improved Energy Efficiency. IEEE Transactions on Parallel and Distributed Systems, 2006, 17, 975-986.	5.6	23
231	Regularity, Interference, and Capacity of Large Ad Hoc Networks. , 2006, , .		12
232	Shot Noise Models for Outage and Throughput Analyses in Wireless Ad Hoc Networks. , 2006, , .		98
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