

Martin Haenggi

List of Publications by Year in descending order

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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	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
2	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
3	Interference in Large Wireless Networks. Foundations and Trends in Networking, 2008, 3, 127-248.	10.2	493
4	On Distances in Uniformly Random Networks. IEEE Transactions on Information Theory, 2005, 51, 3584-3586.	2.4	484
5	Wireless sensor networks: applications and challenges of ubiquitous sensing. IEEE Circuits and Systems Magazine, 2005, 5, 19-31.	2.3	458
6	Interference and Outage in Clustered Wireless Ad Hoc Networks. IEEE Transactions on Information Theory, 2009, 55, 4067-4086.	2.4	323
7	Distance Distributions in Finite Uniformly Random Networks: Theory and Applications. IEEE Transactions on Vehicular Technology, 2010, 59, 940-949.	6.3	322
8	A primer on spatial modeling and analysis in wireless networks. , 2010, 48, 156-163.		314
9	Interference and Outage in Poisson Cognitive Networks. IEEE Transactions on Wireless Communications, 2012, 11, 1392-1401.	9.2	247
10	Coordinated Multipoint Joint Transmission in Heterogeneous Networks. IEEE Transactions on Communications, 2014, 62, 4134-4146.	7.8	233
11	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
12	The Meta Distribution of the SIR in Poisson Bipolar and Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2577-2589.	9.2	217
13	Design of a Wireless Assisted Pedestrian Dead Reckoning System – The NavMote Experience. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 2342-2358.	4.7	210
14	Mean Interference in Hard-Core Wireless Networks. IEEE Communications Letters, 2011, 15, 792-794.	4.1	204
15	Bandwidth- and power-efficient routing in linear wireless networks. IEEE Transactions on Information Theory, 2006, 52, 2624-2633.	2.4	198
16	Spatial and temporal correlation of the interference in ALOHA ad hoc networks. IEEE Communications Letters, 2009, 13, 631-633.	4.1	180
17	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
18	The Ginibre Point Process as a Model for Wireless Networks With Repulsion. IEEE Transactions on Wireless Communications, 2015, 14, 107-121.	9.2	177

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19	Routing in ad hoc networks: a case for long hops. , 2005, 43, 93-101.		170
20	Rethinking information theory for mobile ad hoc networks. , 2008, 46, 94-101.		167
21	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
22	On routing in random Rayleigh fading networks. IEEE Transactions on Wireless Communications, 2005, 4, 1553-1562.	9.2	134
23	Interference and Outage in Mobile Random Networks: Expectation, Distribution, and Correlation. IEEE Transactions on Mobile Computing, 2014, 13, 337-349.	5.8	134
24	Superposition Coding Strategies: Design and Experimental Evaluation. IEEE Transactions on Wireless Communications, 2012, 11, 2628-2639.	9.2	133
25	The Local Delay in Poisson Networks. IEEE Transactions on Information Theory, 2013, 59, 1788-1802.	2.4	119
26	Outage, local throughput, and capacity of random wireless networks. IEEE Transactions on Wireless Communications, 2009, 8, 4350-4359.	9.2	111
27	The secrecy graph and some of its properties. , 2008, , .		108
28	Throughput Analysis for Full-Duplex Wireless Networks With Imperfect Self-Interference Cancellation. IEEE Transactions on Communications, 2015, 63, 4490-4500.	7.8	104
29	The Performance of Successive Interference Cancellation in Random Wireless Networks. IEEE Transactions on Information Theory, 2014, 60, 6368-6388.	2.4	101
30	Shot Noise Models for Outage and Throughput Analyses in Wireless Ad Hoc Networks. , 2006, , .		98
31	A Geometric Interpretation of Fading in Wireless Networks: Theory and Applications. IEEE Transactions on Information Theory, 2008, 54, 5500-5510.	2.4	95
32	User-Centric Intercell Interference Nulling for Downlink Small Cell Networks. IEEE Transactions on Communications, 2015, 63, 1419-1431.	7.8	90
33	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
34	Random access transport capacity. IEEE Transactions on Wireless Communications, 2010, 9, 2101-2111.	9.2	86
35	Heterogeneous Cellular Network Models With Dependence. IEEE Journal on Selected Areas in Communications, 2015, 33, 2167-2181.	14.0	84
36	On the Stability of Static Poisson Networks Under Random Access. IEEE Transactions on Communications, 2016, 64, 2985-2998.	7.8	82

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37	User Point Processes in Cellular Networks. IEEE Wireless Communications Letters, 2017, 6, 258-261.	5.0	82
38	Sensorless Sensing in Wireless Networks: Implementation and Measurements. , 0, , .		80
39	A Fine-Grained Analysis of Millimeter-Wave Device-to-Device Networks. IEEE Transactions on Communications, 2017, 65, 4940-4954.	7.8	80
40	The Meta Distribution of the SIR for Cellular Networks With Power Control. IEEE Transactions on Communications, 2018, 66, 1745-1757.	7.8	79
41	Asymptotics and Approximation of the SIR Distribution in General Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2130-2143.	9.2	75
42	Analysis of D2D Underlaid Cellular Networks: SIR Meta Distribution and Mean Local Delay. IEEE Transactions on Communications, 2017, 65, 2904-2916.	7.8	74
43	Diversity Loss Due to Interference Correlation. IEEE Communications Letters, 2012, 16, 1600-1603.	4.1	73
44	Diversity Polynomials for the Analysis of Temporal Correlations in Wireless Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5940-5951.	9.2	71
45	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
46	Ergodic Spectral Efficiency in MIMO Cellular Networks. IEEE Transactions on Wireless Communications, 2017, 16, 2835-2849.	9.2	68
47	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
48	The SIR Meta Distribution in Poisson Cellular Networks With Base Station Cooperation. IEEE Transactions on Communications, 2018, 66, 1234-1249.	7.8	62
49	Downlink Non-Orthogonal Multiple Access (NOMA) in Poisson Networks. IEEE Transactions on Communications, 2019, 67, 1613-1628.	7.8	62
50	Ad Hoc Networks: To Spread or Not to Spread? [Ad Hoc and Sensor Networks]. , 2007, 45, 84-91.		60
51	Managing Interference Correlation Through Random Medium Access. IEEE Transactions on Wireless Communications, 2014, 13, 928-941.	9.2	59
52	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
53	The Local Delay in Mobile Poisson Networks. IEEE Transactions on Wireless Communications, 2013, 12, 4766-4777.	9.2	56
54	Towards an end-to-end delay analysis of wireless multihop networks. Ad Hoc Networks, 2009, 7, 849-861.	5.5	55

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55	Outage Probability of General Ad Hoc Networks in the High-Reliability Regime. IEEE/ACM Transactions on Networking, 2011, 19, 1151-1163.	3.8	54
56	Random Power Control in Poisson Networks. IEEE Transactions on Communications, 2012, 60, 2602-2611.	7.8	52
57	An exact and direct analytical method for the design of optimally robust CNN templates. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1999, 46, 304-311.	0.1	47
58	Interference Functionals in Poisson Networks. IEEE Transactions on Information Theory, 2016, 62, 370-383.	2.4	47
59	Throughput Analysis of Fading Sensor Networks with Regular and Random Topologies. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	2.4	46
60	Random-Access Poisson Networks: Stability and Delay. IEEE Communications Letters, 2010, 14, 1035-1037.	4.1	46
61	Multipath fading in wireless sensor networks. , 2006, , .		45
62	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
63	Path loss exponent estimation in large wireless networks. , 2009, , .		44
64	Spatiotemporal Cooperation in Heterogeneous Cellular Networks. IEEE Journal on Selected Areas in Communications, 2015, 33, 1253-1265.	14.0	44
65	Distributed spectrum-efficient routing algorithms in wireless networks. IEEE Transactions on Wireless Communications, 2008, 7, 5297-5305.	9.2	42
66	Toward a Tractable Delay Analysis in Ultra-Dense Networks. , 2017, 55, 103-109.		42
67	Cellular neural networks based on resonant tunnelling diodes. International Journal of Circuit Theory and Applications, 2001, 29, 487-504.	2.0	40
68	The Benefits of Hybrid Caching in Gauss-Poisson D2D Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 1217-1230.	14.0	38
69	Approximate SIR Analysis in General Heterogeneous Cellular Networks. IEEE Transactions on Communications, 2016, 64, 1259-1273.	7.8	36
70	Analysis and design of diversity schemes for ad hoc wireless networks. IEEE Journal on Selected Areas in Communications, 2005, 23, 19-27.	14.0	34
71	Reliable data delivery in large-scale low-power sensor networks. ACM Transactions on Sensor Networks, 2010, 6, 1-41.	3.6	34
72	Distribution of the Number of Users per Base Station in Cellular Networks. IEEE Wireless Communications Letters, 2019, 8, 520-523.	5.0	33

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73	Wireless Sensor Networks for Structural Health Monitoring: A Multi-Scale Approach. , 2006, , 1.		32
74	Interference in ad hoc networks with general motion-invariant node distributions. , 2008, , .		32
75	Delay Characterization of Multihop Transmission in a Poisson Field of Interference. IEEE/ACM Transactions on Networking, 2014, 22, 1794-1807.	3.8	32
76	The Gaussâ€Poisson Process for Wireless Networks and the Benefits of Cooperation. IEEE Transactions on Communications, 2016, 64, 1916-1929.	7.8	32
77	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
78	Millimeter-Wave Device-to-Device Networks With Heterogeneous Antenna Arrays. IEEE Transactions on Communications, 2018, 66, 4271-4285.	7.8	31
79	Stochastic Geometry Analysis of Spatial-Temporal Performance in Wireless Networks: A Tutorial. IEEE Communications Surveys and Tutorials, 2021, 23, 2753-2801.	39.4	31
80	Local Delay in Static and Highly Mobile Poisson Networks with ALOHA. , 2010, , .		30
81	Delay-optimal Power Control Policies. IEEE Transactions on Wireless Communications, 2012, 11, 3518-3527.	9.2	29
82	Massive MIMO Forward Link Analysis for Cellular Networks. IEEE Transactions on Wireless Communications, 2019, 18, 2964-2976.	9.2	29
83	Stochastic Geometry Modeling and Analysis of Single-and Multi-Cluster Wireless Networks. IEEE Transactions on Communications, 2018, , 1-1.	7.8	26
84	Simplicial rtd-based cellular nonlinear networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 500-509.	0.1	24
85	Spatial Analysis of Opportunistic Downlink Relaying in a Two-Hop Cellular System. IEEE Transactions on Communications, 2012, 60, 1443-1450.	7.8	24
86	Simple Approximations of the SIR Meta Distribution in General Cellular Networks. IEEE Transactions on Communications, 2019, 67, 4393-4406.	7.8	24
87	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
88	A delay-minimizing routing strategy for wireless multi-hop networks. , 2009, , .		23
89	A Location-Dependent Base Station Cooperation Scheme for Cellular Networks. IEEE Transactions on Communications, 2019, 67, 6415-6426.	7.8	23
90	The Spatial Outage Capacity of Wireless Networks. IEEE Transactions on Wireless Communications, 2018, 17, 3709-3722.	9.2	22

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91	Vehicle Distributions in Large and Small Cities: Spatial Models and Applications. IEEE Transactions on Vehicular Technology, 2018, 67, 10176-10189.	6.3	22
92	Efficient Calculation of Meta Distributions and the Performance of User Percentiles. IEEE Wireless Communications Letters, 2018, 7, 982-985.	5.0	22
93	Arbutus: Network-Layer Load Balancing for Wireless Sensor Networks. , 2008, , .		21
94	Coordinated multipoint in heterogeneous networks: A stochastic geometry approach. , 2013, , .		21
95	A Unified Framework for the Tractable Analysis of Multi-Antenna Wireless Networks. IEEE Transactions on Wireless Communications, 2018, 17, 7965-7980.	9.2	21
96	Regularity in Sensor Networks. , 0, , .		20
97	Reliability Analysis of V2V Communications on Orthogonal Street Systems. , 2017, , .		20
98	Traffic Allocation for Low-Latency Multi-Hop Networks With Buffers. IEEE Transactions on Communications, 2018, 66, 3999-4013.	7.8	19
99	SINR and Rate Meta Distributions for HCNs With Joint Spectrum Allocation and Offloading. IEEE Transactions on Communications, 2019, 67, 3709-3722.	7.8	19
100	Single-Hop Connectivity in Interference-Limited Hybrid Wireless Networks. , 2007, , .		18
101	Mobility and Fading: Two Sides of the Same Coin. , 2010, , .		18
102	Non-Orthogonal Multiple Access (NOMA) in Uplink Poisson Cellular Networks With Power Control. IEEE Transactions on Communications, 2019, 67, 8021-8036.	7.8	18
103	Analysis of uncoordinated opportunistic two-hop wireless ad hoc systems. , 2009, , .		17
104	A heterogeneous cellular network model with inter-tier dependence. , 2014, , .		17
105	Enhanced Cellular Coverage and Throughput Using Rateless Codes. IEEE Transactions on Communications, 2017, 65, 1899-1912.	7.8	17
106	Opportunities and Challenges in Wireless Sensor Networks. , 2004, , .		17
107	The Effect of Spatial Interference Correlation and Jamming on Secrecy in Cellular Networks. IEEE Wireless Communications Letters, 2017, 6, 530-533.	5.0	16
108	Separability, Asymptotics, and Applications of the SIR Meta Distribution in Cellular Networks. IEEE Transactions on Wireless Communications, 2020, 19, 4806-4816.	9.2	16

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109	Meta Distribution of the SIR in Moving Networks. IEEE Transactions on Communications, 2020, 68, 3614-3626.	7.8	16
110	Longest Edge Routing on the Spatial Aloha Graph. , 2008, , .		15
111	Secrecy coverage. , 2010, , .		15
112	Prototype of Virtual Full Duplex via Rapid On-Off-Division Duplex. IEEE Transactions on Communications, 2015, 63, 3829-3841.	7.8	15
113	A Novel Approximate Antenna Pattern for Directional Antenna Arrays. IEEE Wireless Communications Letters, 2018, 7, 832-835.	5.0	15
114	On the Location-Dependent SIR Gain in Cellular Networks. IEEE Wireless Communications Letters, 2019, 8, 777-780.	5.0	15
115	Cox Models for Vehicular Networks: SIR Performance and Equivalence. IEEE Transactions on Wireless Communications, 2021, 20, 171-185.	9.2	15
116	Percolation in the secrecy graph. Discrete Applied Mathematics, 2013, 161, 2120-2132.	0.9	14
117	On the SIR Meta Distribution for Poisson Networks With Interference Cancellation. IEEE Wireless Communications Letters, 2018, 7, 26-29.	5.0	14
118	Bounds on the information propagation delay in interference-limited ALOHA networks. , 2009, , .		13
119	Implementation and Experimental Results of Superposition Coding on Software Radio. , 2010, , .		13
120	Throughput-delay-reliability tradeoffs in multihop networks with random access. , 2010, , .		13
121	Local delay in Poisson networks with and without interference. , 2010, , .		13
122	Meta Distributionsâ€™Part 1: Definition and Examples. IEEE Communications Letters, 2021, 25, 2089-2093.	4.1	13
123	Routing in ad hoc networks - a wireless perspective. , 0, , .		12
124	Outage and throughput bounds for stochastic wireless networks. , 2005, , .		12
125	Regularity, Interference, and Capacity of Large Ad Hoc Networks. , 2006, , .		12
126	The delay-optimal number of hops in Poisson multi-hop networks. , 2010, , .		12

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127	Interference and Outage in Doubly Poisson Cognitive Networks. , 2010, , .		12
128	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
129	Optimal base station density for power efficiency in cellular networks. , 2014, , .		12
130	Meta Distributionsâ€™Part 2: Properties and Interpretations. IEEE Communications Letters, 2021, 25, 2094-2098.	4.1	12
131	On locally regular cellular neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 513-520.	0.1	11
132	A Geometry-Inclusive Fading Model for Random Wireless Networks. , 2006, , .		11
133	Spatial Diversity Benefits by Means of Induced Fading. , 2006, , .		11
134	Temporal Correlation of the Interference in Mobile Random Networks. , 2011, , .		11
135	On the optimal block length for joint channel and network coding. , 2011, , .		11
136	Stochastic analysis of the mean interference for the RTS/CTS mechanism. , 2014, , .		11
137	Scalable Transmission Over Heterogeneous Networks: A Stochastic Geometry Analysis. IEEE Transactions on Vehicular Technology, 2017, 66, 1845-1859.	6.3	11
138	Per-Link Reliability and Rate Control: Two Facets of the SIR Meta Distribution. IEEE Wireless Communications Letters, 2019, 8, 1244-1247.	5.0	11
139	An analysis of CNN settling time. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 9-24.	0.1	10
140	Link Modeling with Joint Fading and Distance Uncertainty. , 0, , .		10
141	Successive interference cancellation in downlink heterogeneous cellular networks. , 2013, , .		10
142	Throughput analysis for wireless networks with full-duplex radios. , 2015, , .		10
143	Performance of Next-Generation Cellular Networks Guarded With Frequency Reuse Distance. IEEE Transactions on Communications, 2019, 67, 7277-7287.	7.8	10
144	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

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145	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
146	Distributed Spectrum-Efficient Routing Algorithms in Wireless Networks. , 2007, , .		9
147	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
148	Interference statistics of a poisson field of interferers with random puncturing. , 2011, , .		9
149	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
150	The aggregate throughput in random wireless networks with successive interference cancellation. , 2013, , .		9
151	Downlink Coordinated Joint Transmission for Mutual Information Accumulation. IEEE Wireless Communications Letters, 2017, 6, 198-201.	5.0	9
152	Analyzing Non-Orthogonal Multiple Access (NOMA) in Downlink Poisson Cellular Networks. , 2018, , .		9
153	Downlink Analysis for the Typical Cell in Poisson Cellular Networks. IEEE Wireless Communications Letters, 2020, 9, 336-339.	5.0	9
154	Performance Analysis of Inter-Cell Interference Coordination in mm-Wave Cellular Networks. IEEE Transactions on Wireless Communications, 2022, 21, 726-738.	9.2	9
155	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
156	The performance of successive interference cancellation in random wireless networks. , 2012, , .		8
157	Dynamic connectivity and path formation time in Poisson networks. Wireless Networks, 2014, 20, 579-589.	3.0	8
158	Spatial Point Process Modeling of Vehicles in Large and Small Cities. , 2017, , .		8
159	Coherent Joint Transmission in Downlink Heterogeneous Cellular Networks. IEEE Wireless Communications Letters, 2018, 7, 274-277.	5.0	8
160	Visualisation of CNN dynamics. Electronics Letters, 1997, 33, 1714.	1.0	7
161	Reactive sink mobility in wireless sensor networks. , 2007, , .		7
162	Lifetime Benefits through Load Balancing in Homogeneous Sensor Networks. , 2009, , .		7

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163	Percolation in the secrecy graph. , 2011, , .		7
164	Delay Analysis of Spatio-Temporal Channel Access for Cognitive Networks. , 2011, , .		7
165	On decoding the kth strongest user in poisson networks with arbitrary fading distribution. , 2013, , .		7
166	Success probabilities in Gauss-Poisson networks with and without cooperation. , 2014, , .		7
167	A tunable base station cooperation scheme for poisson cellular networks. , 2018, , .		7
168	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
169	SIR Meta Distribution for Spatiotemporal Cooperation in Poisson Cellular Networks. IEEE Access, 2019, 7, 73617-73626.	4.2	7
170	Meta Distribution Analysis of the Downlink SIR for the Typical Cell in a Poisson Cellular Network. , 2019, , .		7
171	A deterministic nonlinear-capacitor model for single-electron tunneling junctions. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 1019-1022.	0.1	6
172	Performance analysis of Rayleigh fading ad hoc networks with regular topology. , 2005, , .		6
173	Delay performance of different MAC schemes for multihop wireless networks. , 2005, , .		6
174	Performance analysis of MAC protocols in wireless line networks using statistical mechanics. , 2009, , .		6
175	Traffic management in random cellular networks. , 2014, , .		6
176	Combining stochastic geometry and statistical mechanics for the analysis and design of mesh networks. Ad Hoc Networks, 2014, 13, 110-122.	5.5	6
177	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
178	SIR asymptotics in poisson cellular networks without fading and with partial fading. , 2016, , .		6
179	Spatial outage capacity of poisson bipolar networks. , 2017, , .		6
180	A Tractable Model for Wirelessly Powered Networks With Energy Correlation. IEEE Transactions on Wireless Communications, 2020, 19, 5765-5778.	9.2	6

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181	DISTRIBUTED SENSOR NETWORKS: A CELLULAR NONLINEAR NETWORK PERSPECTIVE. International Journal of Neural Systems, 2003, 13, 405-414.	5.2	5
182	The impact of the topology on the throughput of interference-limited sensor networks with Rayleigh fading. , 0, , .		5
183	Optimal Spatial Reuse in Poisson Multi-Hop Networks. , 2010, , .		5
184	Secrecy Coverage. Internet Mathematics, 2013, 9, 199-216.	0.7	5
185	Outage and capacity of heterogeneous cellular networks with intra-tier dependence. , 2014, , .		5
186	SIR asymptotics in general cellular network models. , 2015, , .		5
187	Continuum percolation with holes. Statistics and Probability Letters, 2017, 126, 212-218.	0.7	5
188	SIR Analysis Via Signal Fractions. IEEE Communications Letters, 2020, 24, 1358-1362.	4.1	5
189	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
190	A Cross-Layer Approach to Energy Balancing in Wireless Sensor Networks. , 0, , 309-324.		5
191	Limit of the Transport Capacity of a Dense Wireless Network. Journal of Applied Probability, 2010, 47, 886-892.	0.7	4
192	The TASEP: A Statistical Mechanics Tool to Study the Performance of Wireless Line Networks. , 2010, , .		4
193	Optimizing spatial reuse by dynamic power control. , 2012, , .		4
194	Cooperative retransmission in heterogeneous cellular networks. , 2014, , .		4
195	A Throughput-Optimum Adaptive ALOHA MAC Scheme for Full-Duplex Wireless Networks. , 2015, , .		4
196	Scalable transmission over heterogenous networks. , 2015, , .		4
197	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
198	The Transdimensional Poisson Process for Vehicular Network Analysis. IEEE Transactions on Wireless Communications, 2021, 20, 8023-8038.	9.2	4

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199	Limit of the Transport Capacity of a Dense Wireless Network. Journal of Applied Probability, 2010, 47, 886-892.	0.7	4
200	Coordinated Packet Transmission in Random Wireless Networks. , 2010, , .		3
201	Analysis of the benefits of Superposition Coding in random wireless networks. , 2010, , .		3
202	Scheduling using Superposition Coding: Design and Software Radio implementation. , 2011, , .		3
203	A Location-Based MAC Scheme for Random Wireless Network. , 2011, , .		3
204	Asymptotic deployment gain: A new approach to characterize coverage probability. , 2014, , .		3
205	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
206	Delay analysis in static poisson network. , 2015, , .		3
207	Stability analysis of static Poisson networks. , 2015, , .		3
208	Unique coverage in Boolean models. Statistics and Probability Letters, 2017, 123, 1-7.	0.7	3
209	A Simple Approximation of the Meta Distribution for Non-Poisson Cellular Networks. , 2018, , .		3
210	Success probability of millimeter-wave D2D networks with heterogeneous antenna arrays. , 2018, , .		3
211	Energy Correlation in Wirelessly Powered Networks. , 2019, , .		3
212	Inter-Cell Interference Coordination in Millimeter-Wave Cellular Networks. , 2019, , .		3
213	A Transdimensional Poisson Model for Vehicular Networks. , 2019, , .		3
214	The SINR Meta Distribution in Poisson Cellular Networks. IEEE Wireless Communications Letters, 2021, 10, 1385-1389.	5.0	3
215	A Formalism for the Analysis and Design of Time and Path Diversity Schemes in Wireless Sensor Networks. Lecture Notes in Computer Science, 2003, , 417-431.	1.3	3
216	Directivity in RF Sensor Networks for Widespread Spectrum Monitoring. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 778-792.	7.9	3

#	ARTICLE	IF	CITATIONS
217	Analogy between data networks and electric networks. Electronics Letters, 2002, 38, 553.	1.0	2
218	The transport capacity of a wireless network is a subadditive euclidean functional. , 2008, , .		2
219	Power-delay analysis of consensus algorithms on wireless networks with interference. , 2008, , .		2
220	On the End-to-End Delay Performance of Spatially Correlated Wireless Line Networks. , 2008, , .		2
221	A simple upper bound on random access transport capacity. , 2009, , .		2
222	On consensus over stochastically switching directed topologies. , 2009, , .		2
223	Percolation in the secrecy graph: Bounds on the critical probability and impact of power constraints. , 2011, , .		2
224	A practical approach to strengthen vulnerable downlinks using superposition coding. , 2012, , .		2
225	Delay scaling in poisson networks. , 2013, , .		2
226	Joint channel/network coding for star networks. , 2013, , .		2
227	Cellular network coverage with inter-cell interference coordination and intra-cell diversity. , 2014, , .		2
228	Joint Spatial and Propagation Models for Cellular Networks. , 2015, , .		2
229	Distributed Rate Control for High Reliability in Poisson Bipolar Networks. , 2017, , .		2
230	The Meta Distribution of the SINR in mm-Wave D2D Networks. , 2017, , .		2
231	SIR Meta Distribution in Physical Layer Security with Interference Correlation. , 2018, , .		2
232	The Meta Distribution of the SINR and Rate in Heterogeneous Cellular Networks. , 2018, , .		2
233	Delay Characterization of Rateless Codes in Wireless Ad Hoc Networks. , 2019, , .		2
234	The Energy Correlation Coefficient and its Key Role in Wirelessly Powered Networks. IEEE Transactions on Wireless Communications, 2021, 20, 8233-8247.	9.2	2

#	ARTICLE	IF	CITATIONS
235	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
236	WSN08-6: Simplified Analysis and Design of MIMO Ad Hoc Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	1
237	Distributed Averaging in Dense Wireless Networks. , 2009, , .		1
238	Asymptotic outage analysis of general motion-invariant Ad Hoc Networks. , 2010, , .		1
239	ALOHA performs optimal power control in Poisson networks. , 2012, , .		1
240	Transport density vs. channel access time in wireless networks: Power control and efficient mac design. , 2012, , .		1
241	The Diversity Gain of Retransmissions in Poisson Networks. , 2013, , .		1
242	A Simple Approximative Approach to the SIR Analysis in General Heterogeneous Cellular Networks. , 2015, , .		1
243	Throughput Enhancements on Cellular Downlink Channels Using Rateless Codes. , 2016, , .		1
244	A novel approach for spectral efficiency analysis in MIMO cellular networks. , 2017, , .		1
245	An ASAPPP Approach to the Spectrum Allocation in General Heterogeneous Cellular Networks. IEEE Access, 2019, 7, 89141-89151.	4.2	1
246	Success Probability in Wirelessly Powered Networks with Energy Correlation. , 2020, , .		1
247	Energy Correlation Coefficient in Wirelessly Powered Networks with Energy Beamforming. , 2021, , .		1
248	Delay-Reliability Tradeoffs in Wireless Networked Control Systems. , 0, , 291-308.		1
249	Regularization Energy in Sensor Networks. , 0, , .		0
250	Geometry, Connectivity, and Broadcast Transport Capacity of Random Networks with Fading. , 2007, , .		0
251	Sentry Selection in Sensor Networks: A Sufficient Condition for k Single Covers. , 2008, , .		0
252	Correction to "A Geometric Interpretation of Fading in Wireless Networks: Theory and Applications" [Dec 08 5500-5510]. IEEE Transactions on Information Theory, 2009, 55, 1939-1939.	2.4	0

#	ARTICLE	IF	CITATIONS
253	ALOHA Performs Delay-Optimum Power Control. , 2011, , .		0
254	Interference-induced diversity loss in poisson SIMO networks. , 2012, , .		0
255	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
256	A Simple Approximative Approach to the SIR Analysis in General Heterogeneous Cellular Networks. , 2014, , .		0
257	Joint Spatial and Propagation Models for Cellular Networks. , 2014, , .		0
258	Bethe and M-Bethe Permanent Inequalities. , 2014, , .		0
259	A Throughput-Optimum Adaptive ALOHA MAC Scheme for Full-Duplex Wireless Networks. , 2014, , .		0
260	Bethe and M-Bethe Permanent Inequalities. , 2015, , .		0
261	Geometric analysis of distributed power control and MÃ¶bius MAC design. Wireless Communications and Mobile Computing, 2016, 16, 590-606.	1.2	0
262	A Message From the New Editor-in-Chief. IEEE Transactions on Wireless Communications, 2017, 16, 680-682.	9.2	0
263	Nearest-Vehicle Communication in Regular Street Systems. , 2018, , .		0
264	The Impact of Beamforming on Energy Correlation in mm-Wave Wirelessly Powered Networks. , 2019, , .		0
265	Anywhere Decoding: Low-Overhead Uplink Interference Management for Wireless Networks. IEEE Transactions on Wireless Communications, 2020, 19, 4095-4108.	9.2	0
266	Effect of Network Geometry and Interference onÃConsensus in Wireless Networks. Springer Optimization and Its Applications, 2010, , 125-143.	0.9	0
267	Sentry Selection in Sensor Networks: Theory and Algorithms. International Journal of Sensor Networks, 2015, 1, 1.	0.4	0