

# Mehul Motani

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

194 papers	2,737 citations	25 h-index	45 g-index
229 ext. papers	3,327 ext. citations	4.8 avg, IF	5.58 L-index

#	Paper	IF	Citations
194	Unified Analysis of Coordinated Multi-Point Transmissions in mmWave Cellular Networks. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	7
193	Machine Learning Models Prognosticate Functional Outcomes Better than Clinical Scores in Spontaneous Intracerebral Haemorrhage.. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2021</b> , 31, 106234	2.8	0
192	. <i>IEEE Transactions on Communications</i> , <b>2021</b> , 69, 2824-2836	6.9	0
191	Minimization of Age of Information in Fading Multiple Access Channels. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2021</b> , 39, 1471-1484	14.2	3
190	Generalized Sphere-Packing Bound for Subblock-Constrained Codes. <i>IEEE Transactions on Information Theory</i> , <b>2021</b> , 67, 187-199	2.8	2
189	Throughput Maximization With an Average Age of Information Constraint in Fading Channels. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 481-494	9.6	8
188	Optimal Multicasting Strategies in Underwater Acoustic Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2021</b> , 20, 678-690	4.6	1
187	Modeling and Analysis of HetNets with Interference Management Using Poisson Cluster Process. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 1-1	6.8	4
186	Coding for Segmented Edits with Local Weight Constraints <b>2021</b> ,		1
185	Optimizing Energy Harvesting Decode-and-Forward Relays With Decoding Energy Costs and Energy Storage. <i>IEEE Access</i> , <b>2021</b> , 9, 96613-96628	3.5	0
184	Outage-Constrained Rate of Skip-Sliding Window Codes. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2020</b> , 4, 506-514	4	1
183	Energy Harvesting Communications With Batteries Having Cycle Constraints. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2020</b> , 4, 263-276	4	2
182	Time-Switching Energy Harvesting Relay Optimizing Considering Decoding Cost. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2020</b> , 663-673	0.2	1
181	Long-Term Incentives for Contributor-Initiated Proactive Sensing in Mobile Crowdsensing. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-17	7.3	1
180	Multiple Time Blocks Energy Harvesting Relay Optimizing with Time-Switching Structure and Decoding Cost. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2020</b> , 615-626	0.2	1
179	An Integrated Wearable Wireless Vital Signs Biosensor for Continuous Inpatient Monitoring. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 448-462	4	21
178	Age of Information Minimization in Fading Multiple Access Channels <b>2020</b> ,		4

177	Throughput Maximization with an Average Age of Information Constraint in Fading Channels <b>2020</b> ,		2
176	DoA Estimation for Lens Antenna Array via Root-MUSIC, Outlier Detection, and Clustering. <i>IEEE Access</i> , <b>2020</b> , 8, 199187-199196	3.5	3
175	A Simplified Dependence Balance-Based Outer Bound for Gaussian MAC With Noisy Feedback. <i>IEEE Communications Letters</i> , <b>2019</b> , 23, 238-241	3.8	
174	Hybrid NOMA for an Energy Harvesting MAC With Non-Ideal Batteries and Circuit Power. <i>IEEE Transactions on Wireless Communications</i> , <b>2019</b> , 18, 3961-3973	9.6	3
173	On Lossy Multi-Connectivity: Finite Blocklength Performance and Second-Order Asymptotics. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2019</b> , 37, 735-748	14.2	6
172	Gaussian Mixture Noise Channels With Minimum and Peak Amplitude Constraints. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 3954-3964	6.9	2
171	Finding Decomposable Models for Efficient Distributed Inference over Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2019</b> , 18, 70-83	4.6	2
170	Optimizing Autoencoders for Learning Deep Representations From Health Data. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2019</b> , 23, 103-111	7.2	7
169	The Dispersion of Mismatched Joint Source-Channel Coding for Arbitrary Sources and Additive Channels. <i>IEEE Transactions on Information Theory</i> , <b>2019</b> , 65, 2234-2251	2.8	2
168	Are Run-Length Limited Codes Suitable for Simultaneous Energy and Information Transfer?. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2019</b> , 3, 988-996	4	4
167	Non-Asymptotic Converse Bounds and Refined Asymptotics for Two Source Coding Problems. <i>IEEE Transactions on Information Theory</i> , <b>2019</b> , 65, 6414-6440	2.8	
166	<b>2019</b> ,		3
165	Generalized Sphere-Packing Bound for Subblock-Constrained Codes <b>2019</b> ,		3
164	Refined Asymptotics for Rate-Distortion Using Gaussian Codebooks for Arbitrary Sources. <i>IEEE Transactions on Information Theory</i> , <b>2019</b> , 65, 3145-3159	2.8	2
163	Online Policies for Energy Harvesting Receivers With Time-Switching Architectures. <i>IEEE Transactions on Wireless Communications</i> , <b>2019</b> , 18, 1233-1246	9.6	4
162	Performance of Energy Harvesting Receivers With Power Optimization. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 1309-1321	6.9	5
161	On Dual-Path Energy-Harvesting Receivers for IoT With Batteries Having Internal Resistance. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 2741-2752	10.7	10
160	Energy Harvesting Communications Without Transmitter Channel State Information Using Layered Coding. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2018</b> , 2, 127-142	4	5

159	Achievable Moderate Deviations Asymptotics for Streaming Compression of Correlated Sources. <i>IEEE Transactions on Information Theory</i> , <b>2018</b> , 64, 3756-3780	2.8	1
158	Improved Asymptotic Sphere-Packing Bounds for Subblock-Constrained Codes <b>2018</b> ,		4
157	SURI: Feature Selection Based on Unique Relevant Information for Health Data <b>2018</b> ,		2
156	Bounds on the Size and Asymptotic Rate of Subblock-Constrained Codes. <i>IEEE Transactions on Information Theory</i> , <b>2018</b> , 64, 6604-6619	2.8	12
155	Exponential Strong Converse for Content Identification With Lossy Recovery. <i>IEEE Transactions on Information Theory</i> , <b>2018</b> , 64, 5879-5897	2.8	4
154	<b>2018</b> ,		7
153	Cooperative Multichannel Directional Medium Access Control for Ad Hoc Networks. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 2675-2686	4.3	6
152	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 1506-1518	6.8	1
151	Polar Coding for the Binary Erasure Channel With Deletions. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 710-713	3.83	17
150	Performance of Energy-Harvesting Receivers with Batteries Having Internal Resistance <b>2017</b> ,		5
149	A generalized optimization framework for control plane in tactical wireless networking <b>2017</b> ,		1
148	Discrete Lossy GrayWyner Revisited: Second-Order Asymptotics, Large and Moderate Deviations. <i>IEEE Transactions on Information Theory</i> , <b>2017</b> , 63, 1766-1791	2.8	11
147	Bounds on the asymptotic rate of binary constant subblock-composition codes <b>2017</b> ,		3
146	Performance of Energy-Harvesting Receivers With Time-Switching Architecture. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 7252-7263	9.6	7
145	Auction Meets Queuing: Information-Driven Data Purchasing in Stochastic Mobile Crowd Sensing <b>2017</b> ,		3
144	Second-Order and Moderate Deviations Asymptotics for Successive Refinement. <i>IEEE Transactions on Information Theory</i> , <b>2017</b> , 1-1	2.8	20
143	Spatio-temporal autoencoder for feature learning in patient data with missing observations <b>2017</b> ,		8
142	Online Auction for Truthful Stochastic Offloading in Mobile Cloud Computing <b>2017</b> ,		7

141	On the Throughput of Linear Unicast Underwater Networks <b>2017</b> ,		1
140	Binary subblock energy-constrained codes: Bounds on code size and asymptotic rate <b>2017</b> ,		9
139	Kaspi Problem Revisited: Non-Asymptotic Converse Bound and Second-Order Asymptotics <b>2017</b> ,		2
138	Superposition Coding for Energy Harvesting Communication without CSIT <b>2017</b> ,		1
137	On the Multiple Description Coding Problem with One Semi-Deterministic Distortion Measure <b>2017</b> ,		1
136	Energy Harvesting Communication Using Finite-Capacity Batteries With Internal Resistance. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 2822-2834	9.6	14
135	A QoE-Aware Resource Distribution Framework Incentivizing Context Sharing and Moderate Competition. <i>IEEE/ACM Transactions on Networking</i> , <b>2016</b> , 24, 1364-1377	3.8	8
134	<b>2016</b> ,		5
133	Diphase: Characterizing Packet Delay in Multi-Source Energy Harvesting Systems. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 3808-3819	6.9	2
132	Energy-aware task allocation for energy harvesting sensor networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2016</b> , 2016,	3.2	10
131	Subblock-Constrained Codes for Real-Time Simultaneous Energy and Information Transfer. <i>IEEE Transactions on Information Theory</i> , <b>2016</b> , 62, 4212-4227	2.8	30
130	. <i>IEEE Systems Journal</i> , <b>2016</b> , 10, 293-301	4.3	28
129	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 8003-8013	6.8	2
128	Second-order coding region for the discrete successive refinement source coding problem <b>2016</b> ,		3
127	Optimizing Graphical Model Structure for Distributed Inference in Wireless Sensor Networks <b>2016</b> ,		3
126	Subblock energy-constrained codes for simultaneous energy and information transfer <b>2016</b> ,		10
125	Distortion minimization in energy harvesting sensor nodes with compression power constraints <b>2016</b> ,		6
124	Throughput maximization for cooperative 60 GHz wireless personal area networks. <i>Computer Networks</i> , <b>2016</b> , 110, 58-68	5.4	1

123	Transmission schemes and performance analysis for time-switching energy harvesting receivers <b>2016,</b>		7
122	. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 2476-2483	10.7	197
121	An optimal scheduling framework for concurrent transmissions in wireless cognitive radio networks. <i>Telecommunication Systems</i> , <b>2015</b> , 60, 169-177	2.3	7
120	Saturation Throughput Analysis of the Slotted BiC-MAC Protocol for Underwater Acoustic Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2015</b> , 14, 3948-3960	9.6	4
119	QOATA: QoI-aware task allocation scheme for mobile crowdsensing under limited budget <b>2015,</b>		6
118	A Case Where Interference Does Not Affect the Channel Dispersion. <i>IEEE Transactions on Information Theory</i> , <b>2015</b> , 61, 2439-2453	2.8	8
117	. <i>IEEE Transactions on Wireless Communications</i> , <b>2015</b> , 14, 4667-4678	9.6	11
116	A RESTful web networking framework for vital sign monitoring <b>2015,</b>		2
115	On Multicasting in Underwater Acoustic Networks <b>2015,</b>		2
114	Real-time simultaneous energy and information transfer <b>2015,</b>		6
113	Dual-Path Architecture for Energy Harvesting Transmitters with Battery Discharge Constraints <b>2015,</b>		4
112	Approximate Capacity Region for the Symmetric Gaussian Interference Channel With Noisy Feedback. <i>IEEE Transactions on Information Theory</i> , <b>2015</b> , 61, 3737-3762	2.8	11
111	A Methodology for Designing the Control of Energy Harvesting Sensor Nodes. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2015</b> , 33, 598-607	14.2	3
110	On code design for simultaneous energy and information transfer <b>2014,</b>		18
109	Multi-channel Directional Medium Access Control for ad hoc networks: A cooperative approach <b>2014,</b>		4
108	. <i>IEEE Journal of Oceanic Engineering</i> , <b>2014</b> , 39, 500-514	3.3	11
107	. <i>IEEE Transactions on Wireless Communications</i> , <b>2014</b> , 13, 6275-6285	9.6	7
106	. <i>IEEE Journal of Oceanic Engineering</i> , <b>2014</b> , 39, 74-89	3.3	19

105	Corrections to Analysis of a High-Performance MAC Protocol for Underwater Acoustic Networks [S. Shahabudeen, M. Motani, M. Chitre, IEEE J. Ocean. Eng., [DOI: 10.1109/JOE.2013.2246741]. <i>IEEE Journal of Oceanic Engineering</i> , <b>2014</b> , 39, 203-203	3.3	
104	Has green energy arrived? Delay analysis for energy harvesting communication systems <b>2014</b> ,		3
103	Control of systems that store renewable energy <b>2014</b> ,		2
102	Second-order asymptotics for the Gaussian interference channel with strictly very strong interference <b>2014</b> ,		2
101	Constant subblock composition codes for simultaneous energy and information transfer <b>2014</b> ,		2
100	. <i>IEEE Transactions on Mobile Computing</i> , <b>2013</b> , 12, 1392-1403	4.6	27
99	Digital Network Coding Aided Two-Way Relaying: Energy Minimization and Queue Analysis. <i>IEEE Transactions on Wireless Communications</i> , <b>2013</b> , 12, 1947-1957	9.6	21
98	A Bidirectional-Concurrent MAC Protocol With Packet Bursting for Underwater Acoustic Networks. <i>IEEE Journal of Oceanic Engineering</i> , <b>2013</b> , 38, 547-565	3.3	32
97	Directional medium access control for ad hoc networks: A cooperation-based approach <b>2013</b> ,		3
96	On the impact of channel coding on average packet delay in a multiuser environment <b>2013</b> ,		4
95	An underwater acoustic MAC protocol using reverse opportunistic packet appending. <i>Computer Networks</i> , <b>2013</b> , 57, 2733-2751	5.4	20
94	Downlink scheduling for user equipment served by multiple mobile terminals in cellular systems. <i>Computer Networks</i> , <b>2013</b> , 57, 668-681	5.4	0
93	Capacity Region of the Asynchronous Gaussian Vector Multiple-Access Channel. <i>IEEE Transactions on Information Theory</i> , <b>2013</b> , 59, 5398-5420	2.8	2
92	MAC Protocol Design and Performance Analysis for Random Access Cognitive Radio Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2013</b> , 31, 2289-2300	14.2	37
91	On the dispersions of the discrete memoryless interference channel <b>2013</b> ,		2
90	Energy optimization for stable two-way relaying with a multi-access uplink <b>2013</b> ,		3
89	Base station energy cooperation in green cellular networks <b>2013</b> ,		4
88	Price-Based Resource Allocation for Spectrum-Sharing Femtocell Networks: A Stackelberg Game Approach. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2012</b> , 30, 538-549	14.2	336

87	Cooperative Multi-Channel Access for 802.11 Mesh Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2012</b> , 30, 1684-1693	14.2	7
86	Auction-based task allocation with trust management for shared sensor networks. <i>Security and Communication Networks</i> , <b>2012</b> , n/a-n/a	1.9	4
85	DVS: A distributed virtual signboard for information dissemination and preservation in vehicular networks <b>2012</b> ,		1
84	Throughput of Networks With Large Propagation Delays. <i>IEEE Journal of Oceanic Engineering</i> , <b>2012</b> , 37, 645-658	3.3	43
83	On Capacity and Optimal Scheduling for the Half-Duplex Multiple-Relay Channel. <i>IEEE Transactions on Information Theory</i> , <b>2012</b> , 58, 5770-5784	2.8	14
82	Energy efficiency and queue stability in a two-way relay network <b>2012</b> ,		6
81	Energy-Efficient Strategies for Cooperative Multichannel MAC Protocols. <i>IEEE Transactions on Mobile Computing</i> , <b>2012</b> , 11, 553-566	4.6	12
80	Joint Decision-Making and Power Allocation for One-Bit Feedback Sensor Communications. <i>IEEE Wireless Communications Letters</i> , <b>2012</b> , 1, 177-180	5.9	
79	Cooperate-and-Access Spectrum Sharing with ARQ-Based Primary Systems. <i>IEEE Transactions on Communications</i> , <b>2012</b> , 60, 2861-2871	6.9	17
78	When Ambient Intelligence meets the Internet: User Module framework and its applications. <i>Computer Networks</i> , <b>2012</b> , 56, 1763-1781	5.4	3
77	Using physical-social interactions to support information re-finding <b>2012</b> ,		1
76	Energy minimization in two-way relay networks with digital network coding <b>2012</b> ,		6
75	The capacity region of the symmetric linear deterministic interference channel with partial feedback <b>2012</b> ,		6
74	Combinatorial Auction-Based Task Allocation in Multi-application Wireless Sensor Networks <b>2011</b> ,		11
73	Price-Based Resource Allocation for Spectrum-Sharing Femtocell Networks: A Stackelberg Game Approach <b>2011</b> ,		6
72	MAC protocols that exploit propagation delay in underwater networks <b>2011</b> ,		8
71	The User-Context Module: A New Perspective on Future Internet Design. <i>Procedia Computer Science</i> , <b>2011</b> , 5, 280-287	1.6	1
70	Cooperative Spectrum Sensing Strategies for Cognitive Radio Mesh Networks. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2011</b> , 5, 56-67	7.5	36



69	On the Throughput Comparisons of MAC Protocols in Multi-Hop Wireless Networks. <i>IEEE Communications Letters</i> , <b>2011</b> , 15, 1398-1401	3.8	3
68	A Two-Level MAC Protocol Strategy for Opportunistic Spectrum Access in Cognitive Radio Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2011</b> , 60, 2164-2180	6.8	47
67	On Achievable Rates for the General Relay Channel. <i>IEEE Transactions on Information Theory</i> , <b>2011</b> , 57, 1249-1266	2.8	11
66	The Capacity of Several New Classes of Semi-Deterministic Relay Channels. <i>IEEE Transactions on Information Theory</i> , <b>2011</b> , 57, 6397-6404	2.8	3
65	Opportunistic Spectrum Access Protocol for Cognitive Radio Networks <b>2011</b> ,		6
64	On throughput and delay scaling with cooperative spectrum sharing <b>2011</b> ,		3
63	SparseTrack: Enhancing Indoor Pedestrian Tracking with Sparse Infrastructure Support <b>2010</b> ,		24
62	A Metric for DISH Networks: Analysis, Implications, and Applications. <i>IEEE Transactions on Mobile Computing</i> , <b>2010</b> , 9, 376-389	4.6	4
61	<b>2010</b> ,		21
60	Intelligent network design: User Layer architecture and its application <b>2010</b> ,		1
59	Dynamic Spectrum Cognitive MAC (DySCO-MAC) for Wireless Mesh & Ad Hoc Networks <b>2010</b> ,		3
58	Cooperative spectrum sensing strategies with multiple relays <b>2010</b> ,		3
57	BiC-MAC: Bidirectional-Concurrent MAC protocol with packet bursting for underwater acoustic networks <b>2010</b> ,		2
56	A scheduling algorithm for wireless networks with large propagation delays <b>2010</b> ,		10
55	Transmitter optimization for distributed Gaussian MIMO channels <b>2010</b> ,		2
54	Optimal Routing for Decode-Forward in Cooperative Wireless Networks. <i>IEEE Transactions on Communications</i> , <b>2010</b> , 58, 2345-2355	6.9	10
53	Dynamic TDMA- and MACA-Based Protocols for Distributed Topology Underwater Acoustic Networks <b>2010</b> , 197-224		2
52	Location Aware CR-MAC: A multi-channel cross layered PHY-MAC protocol for cognitive radio ad hoc networks <b>2009</b> ,		3

51	Link layer behavior of body area networks at 2.4 GHz <b>2009</b> ,		38
50	Dynamic association in IEEE 802.11 based wireless mesh networks <b>2009</b> ,		7
49	Performance analysis of a MACA based protocol for adhoc underwater networks <b>2009</b> ,		6
48	The Capacity Region of a Class of Semideterministic Interference Channels. <i>IEEE Transactions on Information Theory</i> , <b>2009</b> , 55, 598-603	2.8	15
47	Avatar mobility in user-created networked virtual worlds: measurements, analysis, and implications. <i>Multimedia Tools and Applications</i> , <b>2009</b> , 45, 163-190	2.5	26
46	To Hop or Not to Hop: Network Architecture for Body Sensor Networks <b>2009</b> ,		39
45	Inter-User Interference in Body Sensor Networks: Preliminary Investigation and an Infrastructure-Based Solution <b>2009</b> ,		49
44	Cooperative Asynchronous Multichannel MAC: Design, Analysis, and Implementation. <i>IEEE Transactions on Mobile Computing</i> , <b>2009</b> , 8, 338-352	4.6	67
43	CR-CSMA: A Random Access MAC Protocol for Cognitive Radio Networks <b>2009</b> ,		9
42	Cognitive DISH: Virtual Spectrum Sensing Meets Cooperation <b>2009</b> ,		4
41	Cross-layer Adaptive Transmission: Optimal Strategies in Fading Channels. <i>IEEE Transactions on Communications</i> , <b>2008</b> , 56, 799-807	6.9	12
40	Cross-layer adaptive transmission with incomplete system state information. <i>IEEE Transactions on Communications</i> , <b>2008</b> , 56, 1961-1971	6.9	3
39	Myopic Coding in Multiterminal Networks. <i>IEEE Transactions on Information Theory</i> , <b>2008</b> , 54, 3295-3314	2.8	8
38	On The Han-Kobayashi Region for the Interference Channel. <i>IEEE Transactions on Information Theory</i> , <b>2008</b> , 54, 3188-3195	2.8	156
37	Achievable rates and optimal schedules for half duplex multiple-relay networks <b>2008</b> ,		8
36	A real-time exercise feedback utility with body sensor networks <b>2008</b> ,		8
35	DiMo <b>2008</b> ,		9
34	MAX. <i>ACM Transactions on Sensor Networks</i> , <b>2008</b> , 4, 1-34	2.9	18

33	Analyzing DISH for multi-channel MAC protocols in wireless networks <b>2008</b> ,		6
32	Dependent link padding algorithms for low latency anonymity systems <b>2008</b> ,		31
31	MACA-U: A Media Access Protocol for Underwater Acoustic Networks <b>2008</b> ,		39
30	Textures in Second Life: Measurement and Analysis <b>2008</b> ,		11
29	Achievable rates and schedules for half duplex phase fading multiple-relay networks <b>2008</b> ,		2
28	Early Overhearing Avoidance in Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 26-35,	9	3
27	Optimal Routing for Decode-and-Forward based Cooperation in Wireless Networks <b>2007</b> ,		12
26	On the capacity of the single source multiple relay single destination mesh network. <i>Ad Hoc Networks</i> , <b>2007</b> , 5, 786-800	4.8	10
25	. <i>IEEE Transactions on Information Theory</i> , <b>2007</b> , 53, 394-401	2.8	34
24	Capacity Theorems for the $\eta$ -Channel. <i>IEEE Transactions on Information Theory</i> , <b>2007</b> , 53, 1348-1365	2.8	25
23	Coding Strategies for Multiple-Access Channels With Feedback and Correlated Sources. <i>IEEE Transactions on Information Theory</i> , <b>2007</b> , 53, 3476-3497	2.8	9
22	An Absolute QoS Framework for Loss Guarantees in Optical Burst-Switched Networks. <i>IEEE Transactions on Communications</i> , <b>2007</b> , 55, 1191-1201	6.9	6
21	Collaborative broadcasting and compression in cluster-based wireless sensor networks. <i>ACM Transactions on Sensor Networks</i> , <b>2007</b> , 3, 17	2.9	17
20	Adaptive contact probing mechanisms for delay tolerant applications <b>2007</b> ,		83
19	Altruistic cooperation for energy-efficient multi-channel MAC protocols <b>2007</b> ,		11
18	The Capacity Region of a Class of Interference Channels <b>2007</b> ,		3
17	Cross-Layer Design and Optimization in Wireless Networks <b>2007</b> , 121-146		3
16	Investigating network architectures for body sensor networks <b>2007</b> ,		74

15	Network Characteristics of Urban Environments for Wireless BAN <b>2007</b> ,		4
14	A multi-channel MAC protocol for AUV networks <b>2007</b> ,		14
13	An Integrated Energy Efficient Data Retrieval Protocol for Underwater Delay Tolerant Networks <b>2007</b> ,		14
12	On the use of rate-less codes in underwater acoustic file transfers <b>2007</b> ,		14
11	Understanding Urban Interactions from Bluetooth Phone Contact Traces <b>2007</b> , 115-124		15
10	The Multiple Access Channel with Feedback and Correlated Sources <b>2006</b> ,		3
9	Capacity Theorems for the Gaussian Zigzag Channel <b>2006</b> ,		3
8	The Capacity of the Single Source Multiple Relay Single Destination Mesh Network <b>2006</b> ,		3
7	A Prioritized MAC Protocol for Multihop, Event-driven Wireless Sensor Networks <b>2006</b> ,		9
6	CAM-MAC: A Cooperative Asynchronous Multi-Channel MAC Protocol for Ad Hoc Networks <b>2006</b> ,		31
5	MAX <b>2005</b> ,		73
4	PeopleNet <b>2005</b> ,		114
3	On the performance of linear parallel interference cancellation. <i>IEEE Transactions on Information Theory</i> , <b>2001</b> , 47, 1957-1970	2.8	22
2	Computing Weight Distributions of Convolutional Codes Via Shift Register Synthesis. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 314-323	0.9	1
1	Power Management337-420		