

Sennur Ulukus

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.

250
papers

7,414
citations

39
h-index

79
g-index

284
ext. papers

9,232
ext. citations

5.7
avg, IF

7.06
L-index

#	Paper	IF	Citations
250	Private Retrieval, Computing and Learning: Recent Progress and Future Challenges. <i>IEEE Journal on Selected Areas in Communications</i> , 2022 , 1-1	14.2	3
249	Version Age of Information in Clustered Gossip Networks. <i>IEEE Journal on Selected Areas in Information Theory</i> , 2022 , 1-1	2.5	2
248	Privacy in Retrieval, Computing, and Learning. <i>IEEE Journal on Selected Areas in Communications</i> , 2022 , 40, 725-728	14.2	
247	Editorial Issue on Information Theoretic Foundations of Future Communication Systems \square <i>IEEE Journal on Selected Areas in Information Theory</i> , 2022 , 3, 2-4	2.5	
246	Using Timeliness in Tracking Infections. <i>Entropy</i> , 2022 , 24, 779	2.8	
245	Private Set Intersection: A Multi-Message Symmetric Private Information Retrieval Perspective. <i>IEEE Transactions on Information Theory</i> , 2021 , 1-1	2.8	4
244	Age of Gossip in Networks with Community Structure 2021 ,		4
243	Coded Distributed Computing with Partial Recovery. <i>IEEE Transactions on Information Theory</i> , 2021 , 1-1	2.8	1
242	Channel-Aware Adversarial Attacks Against Deep Learning-Based Wireless Signal Classifiers. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	5
241	Semantic Private Information Retrieval. <i>IEEE Transactions on Information Theory</i> , 2021 , 1-1	2.8	3
240	Guest Editorial Signal Processing Advances in Wireless Transmission of Information and Power. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2021 , 15, 1056-1059	7.5	
239	Information Freshness in Cache Updating Systems. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 1861-1874	9.6	19
238	Multi-Party Private Set Intersection: An Information-Theoretic Approach. <i>IEEE Journal on Selected Areas in Information Theory</i> , 2021 , 2, 366-379	2.5	5
237	Scaling Laws for Age of Information in Wireless Networks. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 2413-2427	9.6	5
236	Timely Tracking of Infection Status of Individuals in a Population 2021 ,		2
235	Guest Editorial Age of Information. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 1179-1182	14.2	1
234	Timely Communication in Federated Learning 2021 ,		5

233	. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 1183-1210	14.2	61
232	Channel Effects on Surrogate Models of Adversarial Attacks against Wireless Signal Classifiers 2021 ,		3
231	Symmetric Private Information Retrieval with User-Side Common Randomness 2021 ,		2
230	Freshness Based Cache Updating in Parallel Relay Networks 2021 ,		5
229	. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 1-1	4	3
228	Age of Information in G/G/1/1 Systems: Age Expressions, Bounds, Special Cases, and Optimization. <i>IEEE Transactions on Information Theory</i> , 2021 , 1-1	2.8	11
227	Age of Information for Updates With Distortion: Constant and Age-Dependent Distortion Constraints. <i>IEEE/ACM Transactions on Networking</i> , 2021 , 1-14	3.8	3
226	Timely Private Information Retrieval 2021 ,		2
225	. <i>IEEE Transactions on Communications</i> , 2021 , 69, 5714-5726	6.9	4
224	Guest Editorial for Special Issue on Coded Computing. <i>IEEE Journal on Selected Areas in Information Theory</i> , 2021 , 2, 813-813	2.5	
223	Wireless Power Transfer for Future Networks: Signal Processing, Machine Learning, Computing, and Sensing. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2021 , 1-1	7.5	20
222	Adversarial Attacks against Deep Learning Based Power Control in Wireless Communications 2021 ,		6
221	Gossiping with Binary Freshness Metric 2021 ,		1
220	Optimal Selective Encoding for Timely Updates 2020 ,		7
219	Straggler-Aware Distributed Learning: Communication-Computation Latency Trade-Off. <i>Entropy</i> , 2020 , 22,	2.8	18
218	Timely Distributed Computation With Stragglers. <i>IEEE Transactions on Communications</i> , 2020 , 68, 5273-5282	7.9	14
217	Private Information Retrieval Through Wiretap Channel II: Privacy Meets Security. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 4129-4149	2.8	14
216	The Capacity of Private Information Retrieval From Heterogeneous Uncoded Caching Databases. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 3407-3416	2.8	16

215	Age-Minimal Transmission for Energy Harvesting Sensors With Finite Batteries: Online Policies. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 534-556	2.8	61
214	Maximizing Information Freshness in Caching Systems with Limited Cache Storage Capacity 2020 ,		5
213	How to Make 5G Communications "Invisible": Adversarial Machine Learning for Wireless Privacy 2020 ,		5
212	Adversarial Attacks with Multiple Antennas Against Deep Learning-Based Modulation Classifiers 2020 ,		6
211	2020 ,		3
210	The Capacity of Private Information Retrieval With Private Side Information Under Storage Constraints. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 2023-2031	2.8	13
209	Partial Updates: Losing Information for Freshness 2020 ,		16
208	Optimal Selective Encoding for Timely Updates with Empty Symbol 2020 ,		4
207	Over-the-Air Adversarial Attacks on Deep Learning Based Modulation Classifier over Wireless Channels 2020 ,		24
206	Who Should Google Scholar Update More Often? 2020 ,		14
205	2020 ,		3
204	Secure Degrees of Freedom in Networks with User Misbehavior. <i>Entropy</i> , 2019 , 21, 945	2.8	1
203	Age of Information Scaling in Large Networks 2019 ,		15
202	Minimizing age of information with soft updates. <i>Journal of Communications and Networks</i> , 2019 , 21, 233-243	4.1	18
201	2019 ,		10
200	Noisy Private Information Retrieval: On Separability of Channel Coding and Information Retrieval. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 8232-8249	2.8	13
199	The Capacity of Private Information Retrieval With Partially Known Private Side Information. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 8222-8231	2.8	27
198	Age of information in multihop multicast networks. <i>Journal of Communications and Networks</i> , 2019 , 21, 256-267	4.1	36

197	Fundamental Limits of Cache-Aided Private Information Retrieval With Unknown and Uncoded Prefetching. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 3215-3232	2.8	46
196	Secure Degrees of Freedom Region of Static and Time-Varying Gaussian MIMO Interference Channel. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 444-461	2.8	9
195	Timely Updates in Energy Harvesting Two-Hop Networks: Offline and Online Policies. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4017-4030	9.6	30
194	The Capacity of Private Information Retrieval from Decentralized Uncoded Caching Databases. <i>Information (Switzerland)</i> , 2019 , 10, 372	2.6	11
193	Private Information Retrieval from Decentralized Uncoded Caching Databases 2019 ,		2
192	Private Information Retrieval from Non-Replicated Databases 2019 ,		16
191	2019 ,		12
190	Age of Information for Updates with Distortion 2019 ,		17
189	2019 ,		20
188	Asymmetry Hurts: Private Information Retrieval Under Asymmetric Traffic Constraints. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 7628-7645	2.8	21
187	Age of Information in Multicast Networks with Multiple Update Streams 2019 ,		22
186	Age of Information Scaling in Large Networks with Hierarchical Cooperation 2019 ,		16
185	2019 ,		22
184	Private Information Retrieval from Heterogeneous Uncoded Caching Databases 2019 ,		2
183	Speeding Up Distributed Gradient Descent by Utilizing Non-persistent Stragglers 2019 ,		30
182	. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 1206-1219	2.8	73
181	The Capacity of Private Information Retrieval From Coded Databases. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 1945-1956	2.8	173
180	. <i>IEEE Transactions on Communications</i> , 2018 , 66, 2904-2917	6.9	13

179	Secure Degrees of Freedom of the Multiple Access Wiretap Channel With Multiple Antennas. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 2093-2103	2.8	10
178	. <i>IEEE Transactions on Green Communications and Networking</i> , 2018 , 2, 143-153	4	7
177	. <i>IEEE Transactions on Communications</i> , 2018 , 66, 2918-2930	6.9	11
176	Multi-Message Private Information Retrieval: Capacity Results and Near-Optimal Schemes. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 6842-6862	2.8	59
175	Cache-Aided Private Information Retrieval With Partially Known Uncoded Prefetching: Fundamental Limits. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 1126-1139	14.2	34
174	. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 2975-2986	9.6	11
173	. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 6680-6692	9.6	3
172	Private information retrieval with partially known private side information 2018 ,		4
171	Cache-Aided Private Information Retrieval with Partially Known Uncoded Prefetching 2018 ,		2
170	Age of Information with Soft Updates 2018 ,		13
169	Private Information Retrieval with Private Side Information Under Storage Constraints 2018 ,		1
168	Age of Information in Two-Hop Multicast Networks 2018 ,		33
167	2018 ,		1
166	Sending Information Through Status Updates 2018 ,		24
165	Online Timely Status Updates with Erasures for Energy Harvesting Sensors 2018 ,		31
164	Age-Minimal Online Policies for Energy Harvesting Sensors with Incremental Battery Recharges 2018 ,		35
163	Age-Minimal Online Policies for Energy Harvesting Sensors with Random Battery Recharges 2018 ,		43
162	Private Information Retrieval Through Wiretap Channel II 2018 ,		2

161	Coded status updates in an energy harvesting erasure channel 2018 ,		35
160	Energy and Data Cooperative Multiple Access Channel With Intermittent Data Arrivals. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 2016-2028	9.6	4
159	Secure Degrees of Freedom of One-Hop Wireless Networks With No Eavesdropper CSIT. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 1898-1922	2.8	24
158	. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 3823-3853	2.8	19
157	Secrecy in MIMO Networks With No Eavesdropper CSIT. <i>IEEE Transactions on Communications</i> , 2017 , 1-1	6.9	6
156	The Binary Energy Harvesting Channel With a Unit-Sized Battery. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 4240-4256	2.8	14
155	Coded caching with multiple file requests 2017 ,		8
154	Age minimization in energy harvesting communications: Energy-controlled delays 2017 ,		48
153	Energy harvesting networks with general utility functions: Near optimal online policies 2017 ,		7
152	Private information retrieval from coded databases 2017 ,		9
151	Wireless information and energy transfer under temperature constraints 2017 ,		1
150	. <i>IEEE Transactions on Green Communications and Networking</i> , 2017 , 1, 281-293	4	13
149	. <i>IEEE Transactions on Green Communications and Networking</i> , 2017 , 1, 3-16	4	26
148	Multi-message private information retrieval 2017 ,		14
147	Novel decentralized coded caching through coded prefetching 2017 ,		10
146	2017 ,		70
145	Optimal Energy and Data Routing in Networks With Energy Cooperation. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 857-870	9.6	24
144	. <i>IEEE Transactions on Communications</i> , 2016 , 64, 3872-3885	6.9	10

143	Energy harvesting communications under temperature constraints 2016 ,		8
142	Online scheduling for energy harvesting broadcast channels with finite battery 2016 ,		7
141	Online Scheduling for Energy Harvesting Two-Way Channels with Processing Costs 2016 ,		6
140	Energy Harvesting Transmitters That Heat Up: Throughput Maximization Under Temperature Constraints. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 5440-5452	9.6	11
139	Polar Coding for the General Wiretap Channel With Extensions to Multiuser Scenarios. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 278-291	14.2	25
138	Secure Degrees of Freedom Regions of Multiple Access and Interference Channels: The Polytope Structure. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 2044-2069	2.8	17
137	Online policies for multiple access channel with common energy harvesting source 2016 ,		16
136	Partial strong converse for the non-degraded wiretap channel 2016 ,		2
135	Covert bits through queues 2016 ,		10
134	Multiband jamming strategies with minimum rate constraints 2016 ,		1
133	2016 ,		3
132	MIMO one hop networks with no eavesdropper CSIT 2016 ,		4
131	Energy harvesting cooperative multiple access channel with data arrivals 2016 ,		3
130	Energy harvesting cooperative multiple access channel with decoding costs 2016 ,		2
129	Cooperative Diamond Channel With Energy Harvesting Nodes. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 1604-1617	14.2	21
128	. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 3696-3708	14.2	22
127	Real interference alignment for the MIMO multiple access wiretap channel 2016 ,		2
126	. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 467-481	14.2	67

125	Secure Degrees of Freedom of MIMO Rayleigh Block Fading Wiretap Channels With No CSI Anywhere. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 2655-2669	9.6	33
124	. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 357-359	14.2	2
123	. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 2647-2661	2.8	54
122	Optimal Policies for Wireless Networks With Energy Harvesting Transmitters and Receivers: Effects of Decoding Costs. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 2611-2625	14.2	46
121	Gaussian Wiretap Channel With Amplitude and Variance Constraints. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 5553-5563	2.8	23
120	Wireless Physical-Layer Security: Lessons Learned From Information Theory. <i>Proceedings of the IEEE</i> , 2015 , 103, 1814-1825	14.3	104
119	The binary energy harvesting channel with on-off fading 2015 ,		4
118	Energy Harvesting Multiple Access Channel with Data Arrivals 2015 ,		7
117	Secure degrees of freedom of the multiple access wiretap channel with no eavesdropper CSI 2015 ,		7
116	Polar coding for the general wiretap channel 2015 ,		9
115	2015 ,		6
114	Secure degrees of freedom of the Gaussian MIMO interference channel 2015 ,		6
113	Energy harvesting cooperative diamond channel 2015 ,		3
112	. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 360-381	14.2	602
111	. <i>IEEE Transactions on Information Theory</i> , 2014 , 60, 3359-3378	2.8	83
110	Energy harvesting diamond channel with energy cooperation 2014 ,		27
109	Optimal Energy Allocation for Energy Harvesting Transmitters With Hybrid Energy Storage and Processing Cost. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 3232-3245	4.8	53
108	An Outer Bound for the Vector Gaussian CEO Problem. <i>IEEE Transactions on Information Theory</i> , 2014 , 60, 6870-6887	2.8	17

107	Secure degrees of freedom region of the Gaussian interference channel with secrecy constraints 2014,		4
106	Single-user and multiple access channels with energy harvesting transmitters and receivers 2014,		6
105	State amplification and state masking for the binary energy harvesting channel 2014,		6
104	Capacity of the energy harvesting channel with energy arrival information at the receiver 2014,		7
103	Inseparability of the multiple access wiretap channel 2014,		1
102	2014,		5
101	Gaussian MIMO wiretap channel under receiver side power constraints 2014,		3
100	Sum Secure Degrees of Freedom of Two-Unicast Layered Wireless Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2013 , 31, 1931-1943	14.2	6
99	Energy cooperation in energy harvesting two-way communications 2013,		23
98	Wiretap Channels: Implications of the More Capable Condition and Cyclic Shift Symmetry. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 2153-2164	2.8	7
97	Energy harvesting communications with hybrid energy storage and processing cost 2013,		2
96	Deaf Cooperation and Relay Selection Strategies for Secure Communication in Multiple Relay Networks. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 1544-1554	4.8	37
95	Optimal transmission schemes for parallel and fading Gaussian broadcast channels with an energy harvesting rechargeable transmitter. <i>Computer Communications</i> , 2013 , 36, 1360-1372	5.1	14
94	Secure degrees of freedom of the Gaussian multiple access wiretap channel 2013,		4
93	Energy Cooperation in Energy Harvesting Communications. <i>IEEE Transactions on Communications</i> , 2013 , 61, 4884-4898	6.9	189
92	Unified secure DoF analysis of K-user Gaussian interference channels 2013,		9
91	. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 5466-5487	2.8	6
90	Fading wiretap channel with no CSI anywhere 2013,		14

89	Multi-Receiver Wiretap Channel With Public and Confidential Messages. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 2165-2177	2.8	16
88	Optimal scheduling for energy harvesting transmitters with hybrid energy storage 2013 ,		5
87	Even symmetric parallel linear deterministic interference channels are inseparable 2013 ,		2
86	Binary energy harvesting channel with finite energy storage 2013 ,		39
85	Optimal Packet Scheduling in an Energy Harvesting Communication System. <i>IEEE Transactions on Communications</i> , 2012 , 60, 220-230	6.9	571
84	Ergodic Secret Alignment. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 1594-1611	2.8	39
83	An Alternative Proof for the Capacity Region of the Degraded Gaussian MIMO Broadcast Channel. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 2427-2433	2.8	5
82	Optimal packet scheduling in a multiple access channel with energy harvesting transmitters. <i>Journal of Communications and Networks</i> , 2012 , 14, 140-150	4.1	176
81	Special issue on energy harvesting in wireless networks. <i>Journal of Communications and Networks</i> , 2012 , 14, 115-120	4.1	3
80	. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 571-583	9.6	208
79	Optimal Broadcast Scheduling for an Energy Harvesting Rechargeable Transmitter with a Finite Capacity Battery. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 2193-2203	9.6	148
78	Deaf Cooperation for Secrecy With Multiple Antennas at the Helper. <i>IEEE Transactions on Information Forensics and Security</i> , 2012 , 7, 1855-1864	8	8
77	Capacity Region of Gaussian MIMO Broadcast Channels With Common and Confidential Messages. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 5669-5680	2.8	42
76	Capacity-Equivocation Region of the Gaussian MIMO Wiretap Channel. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 5699-5710	2.8	14
75	Gaussian wiretap channel with an amplitude constraint 2012 ,		12
74	Two-way and multiple-access energy harvesting systems with energy cooperation 2012 ,		21
73	Degraded Compound Multi-Receiver Wiretap Channels. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 5681-5698	2.8	26
72	Secure communication in multiple relay networks through decode-and-forward strategies. <i>Journal of Communications and Networks</i> , 2012 , 14, 352-363	4.1	26

71	Gaussian wiretap channel with a batteryless energy harvesting transmitter 2012,		4
70	Achieving AWGN Capacity Under Stochastic Energy Harvesting. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 6471-6483	2.8	181
69	An Outer Bound for the Gaussian MIMO Broadcast Channel With Common and Private Messages. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 6766-6772	2.8	9
68	Secure degrees of freedom of the Gaussian wiretap channel with helpers 2012,		25
67	Decode-and-Forward based strategies for secrecy in multiple-relay networks 2012,		1
66	On the capacity region of the Gaussian MAC with batteryless energy harvesting transmitters 2012,		11
65	Energy cooperation in energy harvesting wireless communications 2012,		54
64	An outer bound for the vector Gaussian CEO problem 2012,		5
63	Energy state amplification in an energy harvesting communication system 2012,		2
62	Trading Rate for Balanced Queue Lengths for Network Delay Minimization. <i>IEEE Journal on Selected Areas in Communications</i> , 2011 , 29, 988-996	14.2	6
61	AWGN channel under time-varying amplitude constraints with causal information at the transmitter 2011,		51
60	Transmission with Energy Harvesting Nodes in Fading Wireless Channels: Optimal Policies. <i>IEEE Journal on Selected Areas in Communications</i> , 2011 , 29, 1732-1743	14.2	755
59	Secrecy in Cooperative Relay Broadcast Channels. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 137-155	2.8	88
58	. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 2083-2114	2.8	152
57	Dependence Balance Based Outer Bounds for Gaussian Networks With Cooperation and Feedback. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 4063-4086	2.8	25
56	Optimal scheduling over fading broadcast channels with an energy harvesting transmitter 2011,		4
55	Resource management for fading wireless channels with energy harvesting nodes 2011,		18
54	Adaptive transmission policies for energy harvesting wireless nodes in fading channels 2011,		15

53	Secure lossy transmission of vector Gaussian sources 2011 ,		1
52	Optimal Packet Scheduling in a Multiple Access Channel with Rechargeable Nodes 2011 ,		41
51	Optimal Packet Scheduling in a Broadcast Channel with an Energy Harvesting Transmitter 2011 ,		10
50	Secure lossy source coding with side information 2011 ,		9
49	Gaussian MIMO broadcast channels with common and confidential messages 2010 ,		14
48	Degraded Gaussian MIMO multi-receiver wiretap channel with public and confidential messages 2010 ,		2
47	Transmission of common, public and confidential messages in broadcast channels with multiple antennas 2010 ,		1
46	Degrees of Freedom Region of the Gaussian MIMO Broadcast Channel with Common and Private Messages 2010 ,		5
45	On Gaussian MIMO compound wiretap channels 2010 ,		20
44	Secure broadcasting using multiple antennas. <i>Journal of Communications and Networks</i> , 2010 , 12, 411-432	9.6	12
43	Transmission completion time minimization in an energy harvesting system 2010 ,		60
42	Capacity of a class of semi-deterministic primitive relay channels 2010 ,		1
41	. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 632-640	9.6	19
40	Real interference alignment for the K-user Gaussian interference compound wiretap channel 2010 ,		10
39	. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 2754-2767	9.6	28
38	On Gaussian MIMO broadcast channels with common and private messages 2010 ,		5
37	Joint channel estimation and resource allocation for MIMO systems-part I: single-user analysis. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 624-631	9.6	19
36	Delay minimization with a general pentagon rate region 2010 ,		5

35	Information-theoretic analysis of an energy harvesting communication system 2010 ,		73
34	Diamond channel with partially separated relays 2010 ,		7
33	Secrecy capacity region of the degraded compound multi-receiver wiretap channel 2009 ,		5
32	Gaussian MIMO Multi-Receiver Wiretap Channel 2009 ,		6
31	Secrecy capacity region of the Gaussian multi-receiver wiretap channel 2009 ,		12
30	Secure source coding with a helper 2009 ,		8
29	Delay minimization in multiple access channels 2009 ,		1
28	On the rate-limited Gelfand-Pinsker problem 2009 ,		1
27	Towards the Secrecy Capacity of the Gaussian MIMO Wire-Tap Channel: The 2-2-1 Channel. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 4033-4039	2.8	181
26	Outer Bounds for Multiple-Access Channels With Feedback Using Dependence Balance. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 4494-4507	2.8	8
25	Mutual Information Games in Multiuser Channels With Correlated Jamming. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 4598-4607	2.8	48
24	Optimality of beamforming in fading MIMO multiple access channels. <i>IEEE Transactions on Communications</i> , 2009 , 57, 1171-1183	6.9	54
23	A new achievable ergodic secrecy rate region for the fading multiple access wiretap channel 2009 ,		9
22	Secrecy Capacity of a Class of Broadcast Channels with an Eavesdropper. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2009 , 2009,	3.2	59
21	The Capacity Region of a Class of Discrete Degraded Interference Channels. <i>IEEE Transactions on Information Theory</i> , 2008 , 54, 4372-4378	2.8	24
20	On secure broadcasting 2008 ,		13
19	Capacity of a class of diamond channels 2008 ,		9
18	A new upper bound on the capacity of a class of primitive relay channels 2008 ,		9

17	On the secrecy of multiple access wiretap channel 2008 ,		65
16	Secrecy in cooperative relay broadcast channels 2008 ,		23
15	Optimizing the rate of a correlated MIMO link jointly over channel estimation and data transmission parameters 2008 ,		4
14	Effects of cooperation on the secrecy of multiple access channels with generalized feedback 2008 ,		27
13	Secrecy capacity of the 2-2-1 gaussian MIMO wire-tap channel 2008 ,		4
12	A New Upper Bound for a Binary Additive Noisy Multiple Access Channel with Feedback 2008 ,		1
11	Optimum Power Allocation for Single-User MIMO and Multi-User MIMO-MAC with Partial CSI. <i>IEEE Journal on Selected Areas in Communications</i> , 2007 , 25, 1402-1412	14.2	75
10	Scaling Laws for Dense Gaussian Sensor Networks and the Order Optimality of Separation. <i>IEEE Transactions on Information Theory</i> , 2007 , 53, 3654-3676	2.8	1
9	Achievable Rates in Gaussian MISO Channels with Secrecy Constraints 2007 ,		196
8	Power Control for Fading Cooperative Multiple Access Channels. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 2915-2923	9.6	28
7	Optimal Distortion-Power Tradeoffs in Sensor Networks: Gauss-Markov Random Processes 2006 ,		3
6	An Outer Bound for the Multi-Terminal Rate-Distortion Region 2006 ,		3
5	Optimal Distortion-Power Tradeoffs in Gaussian Sensor Networks 2006 ,		6
4	Optimum Power Allocation in Fading MIMO Multiple Access Channels with Partial CSI at the Transmitters 2006 ,		4
3	An Outer Bound for Multiple Access Channels with Correlated Sources 2006 ,		12
2	Achieving the Capacity Region Boundary of Fading CDMA Channels via Generalized Iterative Waterfilling. <i>IEEE Transactions on Wireless Communications</i> , 2006 , 5, 3215-3223	9.6	15
1	Interference Avoidance for CDMA Systems 365-416		