

Andrea J Goldsmith

List of Publications by Citations

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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.

241
papers

12,118
citations

35
h-index

107
g-index

274
ext. papers

15,721
ext. citations

5.7
avg, IF

7.3
L-index

#	Paper	IF	Citations
241	Wireless Communications 2005 ,		5973
240	Capacity limits of MIMO channels. <i>IEEE Journal on Selected Areas in Communications</i> , 2003 , 21, 684-702	14.2	1208
239	Multi-Antenna Downlink Channels with Limited Feedback and User Selection. <i>IEEE Journal on Selected Areas in Communications</i> , 2007 , 25, 1478-1491	14.2	473
238	Adaptive Modulation over Nakagami Fading Channels. <i>Wireless Personal Communications</i> , 2000 , 13, 119-143	14.2	438
237	Cross-Layer Design for Lifetime Maximization in Interference-Limited Wireless Sensor Networks. <i>IEEE Transactions on Wireless Communications</i> , 2006 , 5, 3142-3152	9.6	186
236	Linear Coherent Decentralized Estimation. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 757-770	4.8	167
235	Neural Network Detection of Data Sequences in Communication Systems. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 5663-5678	4.8	137
234	Residential Demand Response Using Reinforcement Learning 2010 ,		129
233	LQG Control for MIMO Systems Over Multiple Erasure Channels With Perfect Acknowledgment. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 450-456	5.9	84
232	. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 3688-3699	9.6	82
231	The multi-way relay channel 2009 ,		81
230	Exact and Stable Covariance Estimation From Quadratic Sampling via Convex Programming. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 4034-4059	2.8	80
229	. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 4420-4432	9.6	79
228	Finite State Channels With Time-Invariant Deterministic Feedback. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 644-662	2.8	78
227	Optimal Pricing to Manage Electric Vehicles in Coupled Power and Transportation Networks. <i>IEEE Transactions on Control of Network Systems</i> , 2017 , 4, 863-875	4	76
226	Performance of multichannel reception with transmit antenna selection in arbitrarily distributed Nakagami fading channels. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 2006-2013	9.6	76
225	On the capacity of interference channels with one cooperating transmitter. <i>European Transactions on Telecommunications</i> , 2008 , 19, 405-420		69

224	Deep Learning for Joint Source-Channel Coding of Text 2018 ,		65
223	A Game-Theoretic Approach to Energy-Efficient Modulation in CDMA Networks with Delay QoS Constraints. <i>IEEE Journal on Selected Areas in Communications</i> , 2007 , 25, 1069-1078	14.2	59
222	A Novel Experimental Platform for In-Vessel Multi-Chemical Molecular Communications 2017 ,		56
221	. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 1980-1992	2.8	52
220	Modeling and Optimization of Transmission Schemes in Energy-Constrained Wireless Sensor Networks. <i>IEEE/ACM Transactions on Networking</i> , 2007 , 15, 1359-1372	3.8	52
219	MGF Approach to the Analysis of Generalized Two-Ray Fading Models. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 1-1	9.6	49
218	Source and Channel Coding for Correlated Sources Over Multiuser Channels. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 3927-3944	2.8	49
217	Receive Antenna Array Strategies in Fading and Interference: An Outage Probability Comparison. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 920-932	9.6	49
216	ViterbiNet: A Deep Learning Based Viterbi Algorithm for Symbol Detection. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 3319-3331	9.6	47
215	Blind Null-Space Learning for MIMO Underlay Cognitive Radio with Primary User Interference Adaptation. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 1722-1734	9.6	46
214	Cross-layer design of energy-constrained networks using cooperative MIMO techniques. <i>Signal Processing</i> , 2006 , 86, 1804-1814	4.4	45
213	Multi-hop MIMO relay networks: diversity-multiplexing trade-off analysis. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 1738-1747	9.6	43
212	Compound Multiple-Access Channels With Partial Cooperation. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 2425-2441	2.8	41
211	MIMO two-way relay channel: Diversity-multiplexing tradeoff analysis 2008 ,		39
210	Finite-Rate Feedback MIMO Broadcast Channels with a Large Number of Users 2006 ,		39
209	On the capacity of the interference channel with a relay 2008 ,		38
208	Joint Source and Channel Coding for MIMO Systems: Is it Better to be Robust or Quick?. <i>IEEE Transactions on Information Theory</i> , 2008 , 54, 1393-1405	2.8	36
207	Distortion Rate Function of Sub-Nyquist Sampled Gaussian Sources. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 401-429	2.8	35

206	Identification of Outages in Power Systems With Uncertain States and Optimal Sensor Locations. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2014 , 8, 1140-1153	7.5	35
205	. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 5074-5086	2.8	35
204	Relay strategies for interference-forwarding 2008 ,		35
203	Energy-Based Modulation for Noncoherent Massive SIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 7831-7846	9.6	33
202	Outage Detection Using Load and Line Flow Measurements in Power Distribution Systems. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 2053-2069	7	29
201	A Critical Survey of Deconvolution Methods for Separating Cell Types in Complex Tissues. <i>Proceedings of the IEEE</i> , 2017 , 105, 340-366	14.3	29
200	Machine learning based channel modeling for molecular MIMO communications 2017 ,		29
199	Wind Aggregation Via Risky Power Markets. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 1571-1581	7	28
198	Non-Coherent Detection for Diffusive Molecular Communication Systems. <i>IEEE Transactions on Communications</i> , 2018 , 66, 2515-2531	6.9	28
197	Design and performance of noncoherent massive SIMO systems 2014 ,		28
196	A self-directed method for cell-type identification and separation of gene expression microarrays. <i>PLoS Computational Biology</i> , 2013 , 9, e1003189	5	28
195	Analog-to-Digital Compression: A New Paradigm for Converting Signals to Bits. <i>IEEE Signal Processing Magazine</i> , 2018 , 35, 16-39	9.4	26
194	A molecular communication system using acids, bases and hydrogen ions 2016 ,		26
193	Study of Gaussian Relay Channels with Correlated Noises. <i>IEEE Transactions on Communications</i> , 2011 , 59, 863-876	6.9	26
192	On Optimal Relay Placement and Sleep Control to Improve Energy Efficiency in Cellular Networks 2011 ,		26
191	Retail and Wholesale Electricity Pricing Considering Electric Vehicle Mobility. <i>IEEE Transactions on Control of Network Systems</i> , 2019 , 6, 249-260	4	26
190	The One-Bit Null Space Learning Algorithm and Its Convergence. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 6135-6149	4.8	25
189	Relaying in the Presence of Interference: Achievable Rates, Interference Forwarding, and Outer Bounds. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 4342-4354	2.8	24

188	Shannon Meets Nyquist: Capacity of Sampled Gaussian Channels. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 4889-4914	2.8	24
187	Generalizing Capacity: New Definitions and Capacity Theorems for Composite Channels. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 3069-3087	2.8	24
186	Oblivious equilibrium for large-scale stochastic games with unbounded costs 2008 ,		23
185	Capacity Definitions of General Channels with Receiver Side Information 2007 ,		21
184	Minimum Sparsity of Unobservable Power Network Attacks. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 3354-3368	5.9	20
183	Rainfall Effect on the Performance of Millimeter-Wave MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 4857-4866	9.6	19
182	Reliable Uncoded Communication in the SIMO MAC. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 388-403	2.8	19
181	Multihop Analog Network Coding via Amplify-and-Forward: The High SNR Regime. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 793-803	2.8	19
180	Achievable rate regions for broadcast channels with cognitive relays 2009 ,		19
179	Multiple Multicasts With the Help of a Relay. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 6142-6158	2.8	19
178	On the capacity of diffusion-based molecular timing channels 2016 ,		19
177	A Survey on Modulation Techniques in Molecular Communication via Diffusion. <i>IEEE Communications Surveys and Tutorials</i> , 2021 , 23, 7-28	37.1	19
176	Performance of MIMO MRC Systems with Co-Channel Interference 2006 ,		18
175	Physical-layer cryptography through massive MIMO 2013 ,		17
174	Reduced-Dimension Multiuser Detection. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 3858-3874	2.8	17
173	Capacity Regions and Bounds for a Class of Z-Interference Channels. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 4986-4994	2.8	17
172	Diffusive Molecular Communications With Reactive Molecules: Channel Modeling and Signal Design. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2018 , 4, 171-188	2.3	17
171	Physical-Layer Cryptography Through Massive MIMO. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 5419-5436	2.8	16

170	CSI is not needed for optimal scaling in multiuser massive SIMO systems 2014 ,		16
169	. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 5380-5389	9.6	16
168	2019 ,		15
167	Communication System Design and Analysis for Asynchronous Molecular Timing Channels. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2017 , 3, 239-253	2.3	15
166	SozRank: A new approach for localizing the epileptic seizure onset zone. <i>PLoS Computational Biology</i> , 2018 , 14, e1005953	5	15
165	. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 6013-6033	2.8	15
164	Capacity of Time-Varying Channels With Causal Channel Side Information. <i>IEEE Transactions on Information Theory</i> , 2007 , 53, 881-899	2.8	15
163	Time-slotted transmission over molecular timing channels. <i>Nano Communication Networks</i> , 2017 , 12, 12-24	2.9	14
162	Line outage detection in power transmission networks via message passing algorithms 2014 ,		14
161	Optimal placement of distributed antennas in cellular systems 2011 ,		14
160	Performance comparison of MRC and IC under transmit diversity. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 2484-2493	9.6	14
159	Data-Driven Factor Graphs for Deep Symbol Detection 2020 ,		14
158	Null Space Learning With Interference Feedback for Spatial Division Multiple Access. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 5699-5715	9.6	13
157	A new modulation technique for Doppler compensation in frequency-dispersive channels 2017 ,		13
156	A Learning Framework for Cognitive Interference Networks with Partial and Noisy Observations. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 3101-3111	9.6	13
155	Outage Probability of MRC With Arbitrary Power Cochannel Interferers in Nakagami Fading. <i>IEEE Transactions on Communications</i> , 2007 , 55, 1283-1286	6.9	13
154	CTH13-3: Symmetric Rate Capacity of Cellular Systems with Cooperative Base Stations. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006 ,		13
153	On the Capacity of the Interference Channel With a Cognitive Relay. <i>IEEE Transactions on Information Theory</i> , 2014 , 60, 2148-2179	2.8	12

152	Channel Capacity Under Sub-Nyquist Nonuniform Sampling. <i>IEEE Transactions on Information Theory</i> , 2014 , 60, 4739-4756	2.8	12
151	Networked Markov Decision Processes With Delays. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 1013-1018	5.9	12
150	On oblivious equilibrium in large population stochastic games 2010 ,		12
149	Exact BER analysis for M-QAM modulation with transmit beamforming under channel prediction errors. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 3674-3678	9.6	12
148	Energy model for vesicle-based active transport molecular communication 2016 ,		12
147	The Distortion Rate Function of Cyclostationary Gaussian Processes. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 3810-3824	2.8	11
146	Capacity of molecular channels with imperfect particle-intensity modulation and detection 2017 ,		11
145	Multiplexing and Diversity Gains in Noncoherent Massive MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 265-277	9.6	11
144	Wireless NUM: Rate and Reliability Tradeoffs in Random Environment 2009 ,		11
143	. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 5881-5905	2.8	11
142	Non-Coherent Multiple-Symbol Detection for Diffusive Molecular Communications 2016 ,		11
141	Energy Efficient Cooperative Strategies for Relay-Assisted Downlink Cellular Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2014 , 32, 2075-2089	14.2	10
140	Interference Forwarding in Multiuser Networks 2008 ,		10
139	Capacity Limits of Diffusion-Based Molecular Timing Channels With Finite Particle Lifetime. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2018 , 4, 88-106	2.3	10
138	Statistics and system performance metrics for the Two Wave with Diffuse Power fading model 2014 ,		9
137	Dynamic joint source-Channel coding with feedback 2013 ,		9
136	Capacity Bounds and Exact Results for the Cognitive Z-Interference Channel. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 886-893	2.8	9
135	A general approach to random coding for multi-terminal networks 2013 ,		9

134	Learning Interference Strategies in Cognitive ARQ Networks 2010 ,		9
133	Generalized relaying in the presence of interference 2008 ,		9
132	CTH13-5: Coverage Spectral Efficiency of Cellular Systems with Cooperative Base Stations. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006 ,		9
131	Minimum Expected Distortion in Gaussian Source Coding with Uncertain Side Information 2007 ,		9
130	Benefits of Storage Control for Wind Power Producers in Power Markets. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 1492-1505	8.2	9
129	Deep Neural Network Symbol Detection for Millimeter Wave Communications 2019 ,		9
128	Backing Off From Infinity: Performance Bounds via Concentration of Spectral Measure for Random MIMO Channels. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 366-387	2.8	8
127	Coherent versus noncoherent massive SIMO systems: Which has better performance? 2015 ,		8
126	Minimum Expected Distortion in Gaussian Source Coding With Fading Side Information. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 5725-5739	2.8	8
125	Exploiting spatial degrees of freedom in MIMO cognitive radio systems 2012 ,		8
124	. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 1828-1851	2.8	8
123	The Distortion-Rate Function of Sampled Wiener Processes. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 482-499	2.8	8
122	. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2018 , 4, 14-26	2.3	8
121	Eigenvalue Dynamics of a Central Wishart Matrix With Application to MIMO Systems. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 2693-2707	2.8	7
120	Average Fade Duration for Amplify-and-Forward Relay Networks in Fading Channels. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 5454-5467	9.6	7
119	Diversity-multiplexing tradeoff in a MIMO Gaussian interference channel with a relay 2011 ,		7
118	Oblivious equilibrium: An approximation to large population dynamic games with concave utility 2009 ,		7
117	Capacity Theorems for Discrete, Finite-State Broadcast Channels With Feedback and Unidirectional Receiver Cooperation. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 5958-5983	2.8	7

116	Cross-Layer Design with Adaptive Modulation: Delay, Rate, and Energy Tradeoffs 2008,		7
115	Optimal control of distributed Markov decision processes with network delays 2007,		7
114	Adaptive Modulation for MIMO Beamforming under Average BER Constraints and Imperfect CSI 2006,		7
113	Data-driven symbol detection via model-based machine learning. <i>Communications in Information and Systems</i> , 2020 , 20, 283-317	0.8	7
112	Two way molecular communications 2018,		7
111	. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2018 , 4, 43-60	2.3	7
110	Sliding Bidirectional Recurrent Neural Networks for Sequence Detection in Communication Systems 2018,		7
109	Sparse mmWave OFDM Channel Estimation using Compressed Sensing 2019,		6
108	. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 963-982	2.8	6
107	Two-Way Molecular Communications. <i>IEEE Transactions on Communications</i> , 2020 , 68, 3550-3563	6.9	6
106	Diversity Gain of One-Shot Communication over Molecular Timing Channels 2017,		6
105	On the Capacity of the Multiantenna Gaussian Cognitive Interference Channel. <i>IEEE Journal on Selected Areas in Communications</i> , 2014 , 32, 2252-2267	14.2	6
104	On PMU location selection for line outage detection in wide-area transmission networks 2012,		6
103	Inferring neural connectivity via measured delay in directed information estimates 2013,		6
102	Multihop MIMO Relay Networks with ARQ 2009,		6
101	Interference Channels With Correlated Receiver Side Information. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 5984-5998	2.8	6
100	Capacity of Finite-State Channels with Time-Invariant Deterministic Feedback 2006,		6
99	. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 4154-4171	2.8	6

98	A Unified Graphical Approach to Random Coding for Single-Hop Networks. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 56-88	2.8	5
97	On the Minimax Capacity Loss Under Sub-Nyquist Universal Sampling. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 3348-3367	2.8	5
96	Optimal trade-off between sampling rate and quantization precision in Sigma-Delta A/D conversion 2015 ,		5
95	. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 3783-3795	9.6	5
94	Achievable Error Exponents in the Gaussian Channel With Rate-Limited Feedback. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 8144-8156	2.8	5
93	Estimation in autoregressive processes with partial observations 2017 ,		5
92	Capacity scaling in noncoherent wideband massive SIMO systems 2015 ,		5
91	The indirect rate-distortion function of a binary i.i.d source 2015 ,		5
90	An algorithm for exact super-resolution and phase retrieval 2014 ,		5
89	Adaptive Modulation for MIMO Systems with Channel Prediction Errors. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 2516-2527	9.6	5
88	Blind null-space tracking for MIMO underlay cognitive radio networks 2012 ,		5
87	Large on the capacity of indecomposable finite-state channels with feedback 2008 ,		5
86	Diversity-Multiplexing Tradeoffs in MIMO Relay Channels 2008 ,		5
85	Capacity and Power Allocation for Transmitter and Receiver Cooperation in Fading Channels 2006 ,		5
84	Data-Driven Symbol Detection Via Model-Based Machine Learning 2021 ,		5
83	Sublinear Latency for Simplified Successive Cancellation Decoding of Polar Codes. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 18-27	9.6	5
82	Null Space Learning in Cooperative MIMO Cellular Networks Using Interference Feedback. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 3961-3977	9.6	4
81	Rethinking Modulation and Detection for High Doppler Channels. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 3629-3642	9.6	4

80	Capacity of block Rayleigh fading channels without CSI 2016,		4
79	Variable Length Joint Source-Channel Coding of Text Using Deep Neural Networks 2018,		4
78	Increasing capacity in massive MIMO cellular networks via small cells 2014,		4
77	Risky power forward contracts for wind aggregation 2013,		4
76	Null space learning in cooperative MIMO cellular networks using interference feedback 2013,		4
75	Fundamental limits of cyber-physical security in smart power grids 2013,		4
74	Convex optimization for precoder design in MIMO interference networks 2012,		4
73	Blind null-space learning for spatial coexistence in MIMO cognitive radios 2012,		4
72	Optimal Sensing Rate for Estimation over Shared Communication Links. <i>Proceedings of the American Control Conference, 2007,</i>	1.2	4
71	Performance analysis of single carrier and multicarrier DS-CDMA systems over generalized fading channels. <i>Wireless Communications and Mobile Computing, 2001, 1, 93-110</i>	1.9	4
70	Learned Factor Graphs for Inference From Stationary Time Sequences. <i>IEEE Transactions on Signal Processing, 2022, 70, 366-380</i>	4.8	4
69	Capacities and Optimal Input Distributions for Particle-Intensity Channels. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2020, 6, 220-232</i>	2.3	4
68	Lossy compression of decimated Gaussian random walks 2018,		4
67	Capacity Scaling in a Non-Coherent Wideband Massive SIMO Block Fading Channel. <i>IEEE Transactions on Wireless Communications, 2019, 18, 5691-5704</i>	9.6	3
66	Sub-Nyquist sampling achieves optimal rate-distortion 2015,		3
65	On Time-Slotted Communication over Molecular Timing Channels 2016,		3
64	Dynamic joint outage identification and state estimation in power systems 2014,		3
63	Energy-Efficient Communication via Feedback. <i>IEEE Transactions on Wireless Communications, 2013, 12, 3338-3349</i>	9.6	3

62	On the Capacity of Indecomposable Finite-State Channels With Feedback. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 193-203	2.8	3
61	Fundamental estimation limits in autoregressive processes with compressive measurements 2017 ,		3
60	Multiplexing-diversity tradeoffs in noncoherent massive MIMO systems 2015 ,		3
59	MGF approach to the capacity analysis of Generalized Two-Ray fading models 2015 ,		3
58	Gaussian distortion-rate function under sub-nyquist nonuniform sampling 2014 ,		3
57	Diversity-multiplexing tradeoff for the interference channel with a relay 2013 ,		3
56	On the capacity of the MIMO cognitive interference channel 2013 ,		3
55	Common Rate Support in Multi-Antenna Downlink Channels Using Semi-Orthogonal User Selection. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 3449-3461	2.8	3
54	Diversity-multiplexing-delay tradeoffs in MIMO multihop networks with ARQ 2010 ,		3
53	Bit Error Rate Analysis in MIMO Channels with Fading and Interference 2009 ,		3
52	Oblivious equilibrium for stochastic games with concave utility 2008 ,		3
51	The capacity region of the degraded finite-state broadcast channel 2008 ,		3
50	Exact Error Rates of MRC with Transmit Antenna Selection in Non-Identically Distributed Nakagami Fading Channels 2008 ,		3
49	Coverage Spectral Efficiency of Cellular Systems with Cooperative Base Stations 2006 ,		3
48	A Game-Theoretic Approach to Energy-Efficient Modulation in CDMA Networks with Delay Constraints 2007 ,		3
47	Estimation Diversity with Multiple Heterogeneous Sensors 2006 ,		3
46	Decentralized Optimization Over Noisy, Rate-Constrained Networks: Achieving Consensus by Communicating Differences. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 1-1	14.2	3
45	Construction of Polar Codes with Reinforcement Learning 2020 ,		3

44	Calendar Allocation Based on Client Traffic in the Flexible Ethernet Standard 2020 ,		3
43	. <i>IEEE Transactions on Communications</i> , 2021 , 69, 3541-3555	6.9	3
42	Optimal Resource Allocation for Cellular Networks with Virtual Cell Joint Decoding 2019 ,		3
41	Neural Network Detectors for Molecular Communication Systems 2018 ,		3
40	Directed Information Between Connected Leaky Integrate-and-Fire Neurons. <i>IEEE Transactions on Information Theory</i> , 2017 , 1-1	2.8	2
39	Distributed Convex Optimization with Limited Communications 2019 ,		2
38	On the capacity of diffusion-based molecular timing channels with diversity 2016 ,		2
37	The Compress-and-Estimate Coding Scheme for Gaussian Sources. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4344-4356	9.6	2
36	A general framework for statistically characterizing the dynamics of MIMO channels 2013 ,		2
35	Directed information between connected leaky integrate-and-fire neurons 2014 ,		2
34	Reduced-dimension multiuser detection 2010 ,		2
33	Cognitive Interference Networks with Partial and Noisy Observations: A Learning Framework 2011 ,		2
32	BER Analysis for MIMO-OFDM Beamforming with MRC under Channel Prediction and Interpolation Errors 2009 ,		2
31	Generalized Capacity and Source-Channel Coding for Packet Erasure Channels 2008 ,		2
30	Capacity theorems for the finite-state broadcast channel with feedback 2008 ,		2
29	Information state for Markov decision processes with network delays 2008 ,		2
28	Distortion Metrics of Composite Channels with Receiver Side Information 2007 ,		2
27	Interference Suppression in Wireless Cellular Networks through Picocells. <i>Conference Record of the Asilomar Conference on Signals, Systems and Computers</i> , 2007 ,	0.3	2

26	Construction of Polar Codes with Reinforcement Learning. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	2
25	Simplified Successive Cancellation Decoding of Polar Codes Has Sublinear Latency 2020 ,		2
24	Decentralized Optimization Over Noisy, Rate-Constrained Networks: How We Agree By Talking About How We Disagree 2021 ,		2
23	2019 ,		2
22	. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 2507-2524	2.8	2
21	Coherence Time of Wireless Channels with Large Antenna Arrays 2017 ,		1
20	Distortion rate function of cyclo-stationary Gaussian processes 2014 ,		1
19	Optimal joint detection and estimation in linear models 2013 ,		1
18	Do decode-and-forward relaying protocols beat transmit diversity? 2010 ,		1
17	Optimal power line communications control policies using stochastic optimization 2010 ,		1
16	Joint pricing and resource allocation for OFDMA-based cognitive radio systems 2011 ,		1
15	Identification over multiple databases 2009 ,		1
14	A Bayesian network approach to control of networked Markov decision processes 2008 ,		1
13	Bayesian Algorithms for Decentralized Stochastic Bandits. <i>IEEE Journal on Selected Areas in Information Theory</i> , 2021 , 2, 564-583	2.5	1
12	Parallelism versus Latency in Simplified Successive-Cancellation Decoding of Polar Codes 2021 ,		1
11	Distributed Sub-gradient Algorithms with Limited Communications 2019 ,		1
10	. <i>IEEE Transactions on Robotics</i> , 2021 , 1-21	6.5	1
9	Fast Blind MIMO Decoding through Vertex Hopping 2018 ,		1

8	Using Markov Properties of ECoG Signals to Infer Neuron Connectivity 2018 ,		1
7	Estimating the Memory Order of Electrocardiography Recordings. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 2809-2822	5	0
6	Parallelism versus Latency in Simplified Successive-Cancellation Decoding of Polar Codes. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	0
5	Virtual Cell Clustering With Optimal Resource Allocation to Maximize Capacity. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 5099-5114	9.6	0
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