

Andrea J Goldsmith

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/328579/andrea-j-goldsmith-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Learned Factor Graphs for Inference From Stationary Time Sequences. <i>IEEE Transactions on Signal Processing</i> , 2022 , 70, 366-380	4.8	4
240	Alternative Formulations for the Fluctuating Two-Ray Fading Model. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	
239	Parallelism versus Latency in Simplified Successive-Cancellation Decoding of Polar Codes. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	0
238	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
237	Construction of Polar Codes with Reinforcement Learning. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	2
236	. <i>IEEE Transactions on Communications</i> , 2021 , 69, 3541-3555	6.9	3
235	Decentralized Optimization Over Noisy, Rate-Constrained Networks: How We Agree By Talking About How We Disagree 2021 ,		2
234	Bayesian Algorithms for Decentralized Stochastic Bandits. <i>IEEE Journal on Selected Areas in Information Theory</i> , 2021 , 2, 564-583	2.5	1
233	Parallelism versus Latency in Simplified Successive-Cancellation Decoding of Polar Codes 2021 ,		1
232	Data-Driven Symbol Detection Via Model-Based Machine Learning 2021 ,		5
231	Sublinear Latency for Simplified Successive Cancellation Decoding of Polar Codes. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 18-27	9.6	5
230	. <i>IEEE Transactions on Robotics</i> , 2021 , 1-21	6.5	1
229	Virtual Cell Clustering With Optimal Resource Allocation to Maximize Capacity. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 5099-5114	9.6	0
228	A Survey on Modulation Techniques in Molecular Communication via Diffusion. <i>IEEE Communications Surveys and Tutorials</i> , 2021 , 23, 7-28	37.1	19
227	Two-Way Molecular Communications. <i>IEEE Transactions on Communications</i> , 2020 , 68, 3550-3563	6.9	6
226	ViterbiNet: A Deep Learning Based Viterbi Algorithm for Symbol Detection. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 3319-3331	9.6	47
225	Rethinking Modulation and Detection for High Doppler Channels. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 3629-3642	9.6	4

224	Capacities and Optimal Input Distributions for Particle-Intensity Channels. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2020 , 6, 220-232	2.3	4
223	Data-driven symbol detection via model-based machine learning. <i>Communications in Information and Systems</i> , 2020 , 20, 283-317	0.8	7
222	Construction of Polar Codes with Reinforcement Learning 2020 ,		3
221	Welcome to the IEEE Journal on Selected Areas in Information Theory (JSAIT). <i>IEEE Journal on Selected Areas in Information Theory</i> , 2020 , 1, 3-3	2.5	
220	Calendar Allocation Based on Client Traffic in the Flexible Ethernet Standard 2020 ,		3
219	Data-Driven Factor Graphs for Deep Symbol Detection 2020 ,		14
218	Simplified Successive Cancellation Decoding of Polar Codes Has Sublinear Latency 2020 ,		2
217	Distributed Convex Optimization with Limited Communications 2019 ,		2
216	Sparse mmWave OFDM Channel Estimation using Compressed Sensing 2019 ,		6
215	2019 ,		15
214	Capacity Scaling in a Non-Coherent Wideband Massive SIMO Block Fading Channel. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 5691-5704	9.6	3
213	Estimating the Memory Order of Electrocardiography Recordings. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 2809-2822	5	0
212	Fast Blind MIMO Decoding Through Vertex Hopping. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 3669-3682	9.6	
211	The Compress-and-Estimate Coding Scheme for Gaussian Sources. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4344-4356	9.6	2
210	Optimal Resource Allocation for Cellular Networks with Virtual Cell Joint Decoding 2019 ,		3
209	Deep Neural Network Symbol Detection for Millimeter Wave Communications 2019 ,		9
208	Distributed Sub-gradient Algorithms with Limited Communications 2019 ,		1
207	2019 ,		2

206	The Distortion-Rate Function of Sampled Wiener Processes. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 482-499	2.8	8
205	. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 2507-2524	2.8	2
204	Retail and Wholesale Electricity Pricing Considering Electric Vehicle Mobility. <i>IEEE Transactions on Control of Network Systems</i> , 2019 , 6, 249-260	4	26
203	Non-Coherent Detection for Diffusive Molecular Communication Systems. <i>IEEE Transactions on Communications</i> , 2018 , 66, 2515-2531	6.9	28
202	The Distortion Rate Function of Cyclostationary Gaussian Processes. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 3810-3824	2.8	11
201	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
200	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
199	SozRank: A new approach for localizing the epileptic seizure onset zone. <i>PLoS Computational Biology</i> , 2018 , 14, e1005953	5	15
198	. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 6013-6033	2.8	15
197	Variable Length Joint Source-Channel Coding of Text Using Deep Neural Networks 2018 ,		4
196	Two way molecular communications 2018 ,		7
195	Fast Blind MIMO Decoding through Vertex Hopping 2018 ,		1
194	. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2018 , 4, 43-60	2.3	7
193	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
192	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
191	Using Markov Properties of ECoG Signals to Infer Neuron Connectivity 2018 ,		1
190	Sliding Bidirectional Recurrent Neural Networks for Sequence Detection in Communication Systems 2018 ,		7
189	Deep Learning for Joint Source-Channel Coding of Text 2018 ,		65

188	. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2018 , 4, 14-26	2.3	8
187	Neural Network Detection of Data Sequences in Communication Systems. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 5663-5678	4.8	137
186	Neural Network Detectors for Molecular Communication Systems 2018 ,		3
185	Lossy compression of decimated Gaussian random walks 2018 ,		4
184	Time-slotted transmission over molecular timing channels. <i>Nano Communication Networks</i> , 2017 , 12, 12-24	2.9	14
183	On the Minimax Capacity Loss Under Sub-Nyquist Universal Sampling. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 3348-3367	2.8	5
182	. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 4420-4432	9.6	79
181	Physical-Layer Cryptography Through Massive MIMO. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 5419-5436	2.8	16
180	Directed Information Between Connected Leaky Integrate-and-Fire Neurons. <i>IEEE Transactions on Information Theory</i> , 2017 , 1-1	2.8	2
179	Coherence Time of Wireless Channels with Large Antenna Arrays 2017 ,		1
178	The Life and Work of Marvin Kenneth Simon. <i>IEEE Communications Surveys and Tutorials</i> , 2017 , 19, 1551-1566		
177	Minimum Sparsity of Unobservable Power Network Attacks. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 3354-3368	5.9	20
176	Diversity Gain of One-Shot Communication over Molecular Timing Channels 2017 ,		6
175	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
174	Capacity of molecular channels with imperfect particle-intensity modulation and detection 2017 ,		11
173	Estimation in autoregressive processes with partial observations 2017 ,		5
172	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
171	Multiplexing and Diversity Gains in Noncoherent Massive MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 265-277	9.6	11

170	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
169	A Novel Experimental Platform for In-Vessel Multi-Chemical Molecular Communications 2017 ,		56
168	Machine learning based channel modeling for molecular MIMO communications 2017 ,		29
167	A new modulation technique for Doppler compensation in frequency-dispersive channels 2017 ,		13
166	Fundamental estimation limits in autoregressive processes with compressive measurements 2017 ,		3
165	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
164	A molecular communication system using acids, bases and hydrogen ions 2016 ,		26
163	Capacity of block Rayleigh fading channels without CSI 2016 ,		4
162	Energy-Based Modulation for Noncoherent Massive SIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 7831-7846	9.6	33
161	On Time-Slotted Communication over Molecular Timing Channels 2016 ,		3
160	On the capacity of diffusion-based molecular timing channels with diversity 2016 ,		2
159	. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 1980-1992	2.8	52
158	Distortion Rate Function of Sub-Nyquist Sampled Gaussian Sources. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 401-429	2.8	35
157	. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 5881-5905	2.8	11
156	Energy model for vesicle-based active transport molecular communication 2016 ,		12
155	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
154	. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 4154-4171	2.8	6
153	Non-Coherent Multiple-Symbol Detection for Diffusive Molecular Communications 2016 ,		11

152	On the capacity of diffusion-based molecular timing channels 2016,		19
151	. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 963-982	2.8	6
150	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
149	Wind Aggregation Via Risky Power Markets. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 1571-1581	7	28
148	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
147	Rainfall Effect on the Performance of Millimeter-Wave MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 4857-4866	9.6	19
146	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
145	Sub-Nyquist sampling achieves optimal rate-distortion 2015,		3
144	Optimal trade-off between sampling rate and quantization precision in Sigma-Delta A/D conversion 2015,		5
143	Reliable Uncoded Communication in the SIMO MAC. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 388-403	2.8	19
142	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
141	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
140	Multiplexing-diversity tradeoffs in noncoherent massive MIMO systems 2015,		3
139	MGF approach to the capacity analysis of Generalized Two-Ray fading models 2015,		3
138	Capacity scaling in noncoherent wideband massive SIMO systems 2015,		5
137	Coherent versus noncoherent massive SIMO systems: Which has better performance? 2015,		8
136	The indirect rate-distortion function of a binary i.i.d source 2015,		5
135	MGF Approach to the Analysis of Generalized Two-Ray Fading Models. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 1-1	9.6	49

134	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
133	Statistics and system performance metrics for the Two Wave with Diffuse Power fading model 2014 ,		9
132	Channel Capacity Under Sub-Nyquist Nonuniform Sampling. <i>IEEE Transactions on Information Theory</i> , 2014 , 60, 4739-4756	2.8	12
131	Design and performance of noncoherent massive SIMO systems 2014 ,		28
130	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
129	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
128	Line outage detection in power transmission networks via message passing algorithms 2014 ,		14
127	Dynamic joint outage identification and state estimation in power systems 2014 ,		3
126	Directed information between connected leaky integrate-and-fire neurons 2014 ,		2
125	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
124	Gaussian distortion-rate function under sub-nyquist nonuniform sampling 2014 ,		3
123	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
122	An algorithm for exact super-resolution and phase retrieval 2014 ,		5
121	Distortion rate function of cyclo-stationary Gaussian processes 2014 ,		1
120	Increasing capacity in massive MIMO cellular networks via small cells 2014 ,		4
119	CSI is not needed for optimal scaling in multiuser massive SIMO systems 2014 ,		16
118	Shannon Meets Nyquist: Capacity of Sampled Gaussian Channels. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 4889-4914	2.8	24
117	. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 3783-3795	9.6	5

116	Physical-layer cryptography through massive MIMO 2013 ,		17
115	Dynamic joint source-Channel coding with feedback 2013 ,		9
114	The One-Bit Null Space Learning Algorithm and Its Convergence. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 6135-6149	4.8	25
113	Energy-Efficient Communication via Feedback. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 3338-3349	9.6	3
112	A general framework for statistically characterizing the dynamics of MIMO channels 2013 ,		2
111	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
110	On the Capacity of Indecomposable Finite-State Channels With Feedback. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 193-203	2.8	3
109	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
108	Reduced-Dimension Multiuser Detection. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 3858-3874	2.8	17
107	Risky power forward contracts for wind aggregation 2013 ,		4
106	A self-directed method for cell-type identification and separation of gene expression microarrays. <i>PLoS Computational Biology</i> , 2013 , 9, e1003189	5	28
105	Null space learning in cooperative MIMO cellular networks using interference feedback 2013 ,		4
104	A general approach to random coding for multi-terminal networks 2013 ,		9
103	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
102	Fundamental limits of cyber-physical security in smart power grids 2013 ,		4
101	Optimal joint detection and estimation in linear models 2013 ,		1
100	Diversity-multiplexing tradeoff for the interference channel with a relay 2013 ,		3
99	On the capacity of the MIMO cognitive interference channel 2013 ,		3

98	Inferring neural connectivity via measured delay in directed information estimates 2013 ,		6
97	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
96	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
95	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
94	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
93	On PMU location selection for line outage detection in wide-area transmission networks 2012 ,		6
92	Networked Markov Decision Processes With Delays. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 1013-1018	5.9	12
91	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
90	Convex optimization for precoder design in MIMO interference networks 2012 ,		4
89	Blind null-space tracking for MIMO underlay cognitive radio networks 2012 ,		5
88	Exploiting spatial degrees of freedom in MIMO cognitive radio systems 2012 ,		8
87	Blind null-space learning for spatial coexistence in MIMO cognitive radios 2012 ,		4
86	Optimal placement of distributed antennas in cellular systems 2011 ,		14
85	Study of Gaussian Relay Channels with Correlated Noises. <i>IEEE Transactions on Communications</i> , 2011 , 59, 863-876	6.9	26
84	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
83	Cognitive Interference Networks with Partial and Noisy Observations: A Learning Framework 2011 ,		2
82	Joint pricing and resource allocation for OFDMA-based cognitive radio systems 2011 ,		1
81	Diversity-multiplexing tradeoff in a MIMO Gaussian interference channel with a relay 2011 ,		7

80	On Optimal Relay Placement and Sleep Control to Improve Energy Efficiency in Cellular Networks 2011,		26
79	Diversity-multiplexing-delay tradeoffs in MIMO multihop networks with ARQ 2010,		3
78	On oblivious equilibrium in large population stochastic games 2010,		12
77	Do decode-and-forward relaying protocols beat transmit diversity? 2010,		1
76	Multi-hop MIMO relay networks: diversity-multiplexing trade-off analysis. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 1738-1747	9.6	43
75	Reduced-dimension multiuser detection 2010,		2
74	Residential Demand Response Using Reinforcement Learning 2010,		129
73	Adaptive Modulation for MIMO Systems with Channel Prediction Errors. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 2516-2527	9.6	5
72	Optimal power line communications control policies using stochastic optimization 2010,		1
71	Learning Interference Strategies in Cognitive ARQ Networks 2010,		9
70	. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 1828-1851	2.8	8
69	Generalizing Capacity: New Definitions and Capacity Theorems for Composite Channels. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 3069-3087	2.8	24
68	Multiple Multicasts With the Help of a Relay. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 6142-6158	2.8	19
67	Interference Channels With Correlated Receiver Side Information. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 5984-5998	2.8	6
66	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
65	Multihop MIMO Relay Networks with ARQ 2009,		6
64	Wireless NUM: Rate and Reliability Tradeoffs in Random Environment 2009,		11
63	Achievable rate regions for broadcast channels with cognitive relays 2009,		19

62	Identification over multiple databases 2009 ,		1
61	Finite State Channels With Time-Invariant Deterministic Feedback. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 644-662	2.8	78
60	Compound Multiple-Access Channels With Partial Cooperation. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 2425-2441	2.8	41
59	Source and Channel Coding for Correlated Sources Over Multiuser Channels. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 3927-3944	2.8	49
58	. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 5074-5086	2.8	35
57	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
56	The multi-way relay channel 2009 ,		81
55	Bit Error Rate Analysis in MIMO Channels with Fading and Interference 2009 ,		3
54	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
53	BER Analysis for MIMO-OFDM Beamforming with MRC under Channel Prediction and Interpolation Errors 2009 ,		2
52	Oblivious equilibrium: An approximation to large population dynamic games with concave utility 2009 ,		7
51	Performance comparison of MRC and IC under transmit diversity. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 2484-2493	9.6	14
50	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
49	Linear Coherent Decentralized Estimation. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 757-770	4.8	167
48	. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 5380-5389	9.6	16
47	On the capacity of the interference channel with a relay 2008 ,		38
46	Large on the capacity of indecomposable finite-state channels with feedback 2008 ,		5
45	Oblivious equilibrium for stochastic games with concave utility 2008 ,		3

44	Generalized Capacity and Source-Channel Coding for Packet Erasure Channels 2008 ,		2
43	Diversity-Multiplexing Tradeoffs in MIMO Relay Channels 2008 ,		5
42	The capacity region of the degraded finite-state broadcast channel 2008 ,		3
41	Relay strategies for interference-forwarding 2008 ,		35
4 ⁰	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
39	Capacity theorems for the finite-state broadcast channel with feedback 2008 ,		2
38	Information state for Markov decision processes with network delays 2008 ,		2
37	Oblivious equilibrium for large-scale stochastic games with unbounded costs 2008 ,		23
36	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
35	Generalized relaying in the presence of interference 2008 ,		9
34	A Bayesian network approach to control of networked Markov decision processes 2008 ,		1
33	Cross-Layer Design with Adaptive Modulation: Delay, Rate, and Energy Tradeoffs 2008 ,		7
32	Interference Forwarding in Multiuser Networks 2008 ,		10
3 ¹	Exact Error Rates of MRC with Transmit Antenna Selection in Non-Identically Distributed Nakagami Fading Channels 2008 ,		3
30	MIMO two-way relay channel: Diversity-multiplexing tradeoff analysis 2008 ,		39
29	On the capacity of interference channels with one cooperating transmitter. <i>European Transactions on Telecommunications</i> , 2008 , 19, 405-420		69
28	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
27	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

26	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
25	Capacity of Time-Varying Channels With Causal Channel Side Information. <i>IEEE Transactions on Information Theory</i> , 2007 , 53, 881-899	2.8	15
24	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
23	. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 3688-3699	9.6	82
22	Distortion Metrics of Composite Channels with Receiver Side Information 2007 ,		2
21	Optimal control of distributed Markov decision processes with network delays 2007 ,		7
20	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
19	Optimal Sensing Rate for Estimation over Shared Communication Links. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	4
18	Capacity Definitions of General Channels with Receiver Side Information 2007 ,		21
17	Minimum Expected Distortion in Gaussian Source Coding with Uncertain Side Information 2007 ,		9
16	A Game-Theoretic Approach to Energy-Efficient Modulation in CDMA Networks with Delay Constraints 2007 ,		3
15	CTH13-5: Coverage Spectral Efficiency of Cellular Systems with Cooperative Base Stations. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006 ,		9
14	Finite-Rate Feedback MIMO Broadcast Channels with a Large Number of Users 2006 ,		39
13	CTH13-3: Symmetric Rate Capacity of Cellular Systems with Cooperative Base Stations. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006 ,		13
12	Coverage Spectral Efficiency of Cellular Systems with Cooperative Base Stations 2006 ,		3
11	Capacity of Finite-State Channels with Time-Invariant Deterministic Feedback 2006 ,		6
10	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
9	Adaptive Modulation for MIMO Beamforming under Average BER Constraints and Imperfect CSI 2006 ,		7

8	Performance of MIMO MRC Systems with Co-Channel Interference 2006 ,		18
7	Capacity and Power Allocation for Transmitter and Receiver Cooperation in Fading Channels 2006 ,		5
6	Estimation Diversity with Multiple Heterogeneous Sensors 2006 ,		3
5	Cross-layer design of energy-constrained networks using cooperative MIMO techniques. <i>Signal Processing</i> , 2006 , 86, 1804-1814	4.4	45
4	Wireless Communications 2005 ,		5973
3	Capacity limits of MIMO channels. <i>IEEE Journal on Selected Areas in Communications</i> , 2003 , 21, 684-702	14.2	1208
2	Performance analysis of single carrier and multicarrier DS-CDMA systems over generalized fading channels. <i>Wireless Communications and Mobile Computing</i> , 2001 , 1, 93-110	1.9	4
1	Adaptive Modulation over Nakagami Fading Channels. <i>Wireless Personal Communications</i> , 2000 , 13, 119-143	1.3	438