

Maxim Raginsky

List of Publications by Year in descending order

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51
papers

906
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623734

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all docs

51
docs citations

51
times ranked

754
citing authors

#	ARTICLE	IF	CITATIONS
1	Compressed Sensing Performance Bounds Under Poisson Noise. IEEE Transactions on Signal Processing, 2010, 58, 3990-4002.	5.3	115
2	Concentration of Measure Inequalities in Information Theory, Communications, and Coding. Foundations and Trends in Communications and Information Theory, 2013, 10, 1-247.	3.1	101
3	A fidelity measure for quantum channels. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 290, 11-18.	2.1	61
4	Strong Data Processing Inequalities and Φ -Sobolev Inequalities for Discrete Channels. IEEE Transactions on Information Theory, 2016, 62, 3355-3389.	2.4	57
5	Stochastic Dual Averaging for Decentralized Online Optimization on Time-Varying Communication Graphs. IEEE Transactions on Automatic Control, 2017, 62, 6407-6414.	5.7	52
6	Performance Bounds for Expander-Based Compressed Sensing in Poisson Noise. IEEE Transactions on Signal Processing, 2011, 59, 4139-4153.	5.3	42
7	Online Markov Decision Processes With Kullback-Leibler Control Cost. IEEE Transactions on Automatic Control, 2014, 59, 1423-1438.	5.7	40
8	Information-Based Complexity, Feedback and Dynamics in Convex Programming. IEEE Transactions on Information Theory, 2011, 57, 7036-7056.	2.4	38
9	Sequential Anomaly Detection in the Presence of Noise and Limited Feedback. IEEE Transactions on Information Theory, 2012, 58, 5544-5562.	2.4	34
10	Radon-Nikodym derivatives of quantum operations. Journal of Mathematical Physics, 2003, 44, 5003-5020.	1.1	32
11	Information-Theoretic Lower Bounds on Bayes Risk in Decentralized Estimation. IEEE Transactions on Information Theory, 2017, 63, 1580-1600.	2.4	31
12	Coordinate Dual Averaging for Decentralized Online Optimization With Nonseparable Global Objectives. IEEE Transactions on Control of Network Systems, 2018, 5, 34-44.	3.7	26
13	Verilog-A compatible recurrent neural network model for transient circuit simulation. , 2017, , .		24
14	Multiscale Photon-Limited Spectral Image Reconstruction. SIAM Journal on Imaging Sciences, 2010, 3, 619-645.	2.2	23
15	Continuous-time stochastic Mirror Descent on a network: Variance reduction, consensus, convergence. , 2012, , .		22
16	Empirical Processes, Typical Sequences, and Coordinated Actions in Standard Borel Spaces. IEEE Transactions on Information Theory, 2013, 59, 1288-1301.	2.4	19
17	Logarithmic Sobolev inequalities and strong data processing theorems for discrete channels. , 2013, , .		19
18	Rational inattention in scalar LQG control. , 2013, , .		13

#	ARTICLE	IF	CITATIONS
19	Universal lossy compression under logarithmic loss. , 2017, , .		13
20	Converses for distributed estimation via strong data processing inequalities. , 2015, , .		12
21	Rationally Inattentive Control of Markov Processes. SIAM Journal on Control and Optimization, 2016, 54, 987-1016.	2.1	12
22	Information-Theoretic Lower Bounds for Distributed Function Computation. IEEE Transactions on Information Theory, 2017, 63, 2314-2337.	2.4	12
23	Approximate Markov-Nash Equilibria for Discrete-Time Risk-Sensitive Mean-Field Games. Mathematics of Operations Research, 2020, 45, 1596-1620.	1.3	12
24	Approximate Nash Equilibria in Partially Observed Stochastic Games with Mean-Field Interactions. Mathematics of Operations Research, 2019, 44, 1006-1033.	1.3	11
25	Decentralized online optimization with global objectives and local communication. , 2015, , .		10
26	Minimum Excess Risk in Bayesian Learning. IEEE Transactions on Information Theory, 2022, 68, 7935-7955.	2.4	9
27	Generation and manipulation of squeezed states of light in optical networks for quantum communication and computation. Journal of Optics B: Quantum and Semiclassical Optics, 2001, 3, L1-L4.	1.4	7
28	Joint Fixed-Rate Universal Lossy Coding and Identification of Continuous-Alphabet Memoryless Sources. IEEE Transactions on Information Theory, 2008, 54, 3059-3077.	2.4	6
29	Enhanced IC Modeling Methodology for System-level ESD Simulation. , 2018, , .		6
30	Channel Polarization Through the Lens of Blackwell Measures. IEEE Transactions on Information Theory, 2020, 66, 6222-6241.	2.4	6
31	Rational inattention in controlled Markov processes. , 2013, , .		5
32	Cooperation in self-organizing map networks enhances information transmission in the presence of input background activity. Biological Cybernetics, 2008, 98, 195-211.	1.3	4
33	Channel polarization and Blackwell measures. , 2016, , .		4
34	Learning Finite-Dimensional Coding Schemes with Nonlinear Reconstruction Maps. SIAM Journal on Mathematics of Data Science, 2019, 1, 617-642.	1.8	4
35	Statistical Learning of IC Models for System-Level ESD Simulation. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1302-1311.	2.2	3
36	Almost any quantum spin system with short-range interactions can support toric codes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 294, 153-157.	2.1	2

#	ARTICLE	IF	CITATIONS
37	Joint Universal Lossy Coding and Identification of Stationary Mixing Sources With General Alphabets. IEEE Transactions on Information Theory, 2009, 55, 1945-1960.	2.4	2
38	Online Markov decision processes with Kullback-Leibler control cost. , 2012, , .		2
39	Refined bounds on the empirical distribution of good channel codes via concentration inequalities. , 2013, , .		2
40	Cost-performance tradeoffs in unreliable computation architectures. , 2016, , .		2
41	Online Discrete Optimization in Social Networks in the Presence of Knightian Uncertainty. Operations Research, 2016, 64, 662-679.	1.9	2
42	Universal Compression, List Decoding, and Logarithmic Loss. , 2018, , .		2
43	Sequential Empirical Coordination Under an Output Entropy Constraint. IEEE Transactions on Information Theory, 2018, 64, 6830-6841.	2.4	2
44	Cost-Reliability Tradeoffs in Fusing Unreliable Computational Units. IEEE Open Journal of Signal Processing, 2020, 1, 77-89.	3.5	2
45	Scaling and Renormalization in Fault-Tolerant Quantum Computers. Quantum Information Processing, 2003, 2, 249-258.	2.2	1
46	Regret minimization algorithms for single-controller zero-sum stochastic games. , 2016, , .		1
47	Robustness to incorrect models and data-driven learning in average-cost optimal stochastic control. Automatica, 2022, 139, 110179.	5.0	1
48	Learning joint quantizers for reconstruction and prediction. , 2013, , .		0
49	On MMSE estimation from quantized observations in the nonasymptotic regime. , 2015, , .		0
50	Sequential empirical coordination under an output entropy constraint. , 2016, , .		0
51	Rationally inattentive Markov decision processes over a finite horizon. , 2017, , .		0