

Maxim Raginsky

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5070443/publications.pdf>

Version: 2024-02-01

51
papers

906
citations

623734

14
h-index

526287

27
g-index

51
all docs

51
docs citations

51
times ranked

754
citing authors

#	ARTICLE	IF	CITATIONS
1	Robustness to incorrect models and data-driven learning in average-cost optimal stochastic control. Automatica, 2022, 139, 110179.	5.0	1
2	Minimum Excess Risk in Bayesian Learning. IEEE Transactions on Information Theory, 2022, 68, 7935-7955.	2.4	9
3	Statistical Learning of IC Models for System-Level ESD Simulation. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1302-1311.	2.2	3
4	Channel Polarization Through the Lens of Blackwell Measures. IEEE Transactions on Information Theory, 2020, 66, 6222-6241.	2.4	6
5	Cost-Reliability Tradeoffs in Fusing Unreliable Computational Units. IEEE Open Journal of Signal Processing, 2020, 1, 77-89.	3.5	2
6	Approximate Markov-Nash Equilibria for Discrete-Time Risk-Sensitive Mean-Field Games. Mathematics of Operations Research, 2020, 45, 1596-1620.	1.3	12
7	Approximate Nash Equilibria in Partially Observed Stochastic Games with Mean-Field Interactions. Mathematics of Operations Research, 2019, 44, 1006-1033.	1.3	11
8	Learning Finite-Dimensional Coding Schemes with Nonlinear Reconstruction Maps. SIAM Journal on Mathematics of Data Science, 2019, 1, 617-642.	1.8	4
9	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
10	Enhanced IC Modeling Methodology for System-level ESD Simulation. , 2018, , .		6
11	Universal Compression, List Decoding, and Logarithmic Loss. , 2018, , .		2
12	Sequential Empirical Coordination Under an Output Entropy Constraint. IEEE Transactions on Information Theory, 2018, 64, 6830-6841.	2.4	2
13	Stochastic Dual Averaging for Decentralized Online Optimization on Time-Varying Communication Graphs. IEEE Transactions on Automatic Control, 2017, 62, 6407-6414.	5.7	52
14	Information-Theoretic Lower Bounds on Bayes Risk in Decentralized Estimation. IEEE Transactions on Information Theory, 2017, 63, 1580-1600.	2.4	31
15	Information-Theoretic Lower Bounds for Distributed Function Computation. IEEE Transactions on Information Theory, 2017, 63, 2314-2337.	2.4	12
16	Universal lossy compression under logarithmic loss. , 2017, , .		13
17	Rationally inattentive Markov decision processes over a finite horizon. , 2017, , .		0
18	Verilog-A compatible recurrent neural network model for transient circuit simulation. , 2017, , .		24

#	ARTICLE	IF	CITATIONS
19	Cost-performance tradeoffs in unreliable computation architectures. , 2016, , .		2
20	Regret minimization algorithms for single-controller zero-sum stochastic games. , 2016, , .		1
21	Sequential empirical coordination under an output entropy constraint. , 2016, , .		0
22	Channel polarization and Blackwell measures. , 2016, , .		4
23	Strong Data Processing Inequalities and Φ -Sobolev Inequalities for Discrete Channels. IEEE Transactions on Information Theory, 2016, 62, 3355-3389.	2.4	57
24	Rationally Inattentive Control of Markov Processes. SIAM Journal on Control and Optimization, 2016, 54, 987-1016.	2.1	12
25	Online Discrete Optimization in Social Networks in the Presence of Knightian Uncertainty. Operations Research, 2016, 64, 662-679.	1.9	2
26	Decentralized online optimization with global objectives and local communication. , 2015, , .		10
27	On MMSE estimation from quantized observations in the nonasymptotic regime. , 2015, , .		0
28	Converses for distributed estimation via strong data processing inequalities. , 2015, , .		12
29	Online Markov Decision Processes With Kullback-Leibler Control Cost. IEEE Transactions on Automatic Control, 2014, 59, 1423-1438.	5.7	40
30	Refined bounds on the empirical distribution of good channel codes via concentration inequalities. , 2013, , .		2
31	Learning joint quantizers for reconstruction and prediction. , 2013, , .		0
32	Empirical Processes, Typical Sequences, and Coordinated Actions in Standard Borel Spaces. IEEE Transactions on Information Theory, 2013, 59, 1288-1301.	2.4	19
33	Rational inattention in scalar LQG control. , 2013, , .		13
34	Rational inattention in controlled Markov processes. , 2013, , .		5
35	Logarithmic Sobolev inequalities and strong data processing theorems for discrete channels. , 2013, , .		19
36	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

#	ARTICLE	IF	CITATIONS
37	Continuous-time stochastic Mirror Descent on a network: Variance reduction, consensus, convergence. , 2012, , .		22
38	Online Markov decision processes with Kullback-Leibler control cost. , 2012, , .		2
39	Sequential Anomaly Detection in the Presence of Noise and Limited Feedback. IEEE Transactions on Information Theory, 2012, 58, 5544-5562.	2.4	34
40	Performance Bounds for Expander-Based Compressed Sensing in Poisson Noise. IEEE Transactions on Signal Processing, 2011, 59, 4139-4153.	5.3	42
41	Information-Based Complexity, Feedback and Dynamics in Convex Programming. IEEE Transactions on Information Theory, 2011, 57, 7036-7056.	2.4	38
42	Compressed Sensing Performance Bounds Under Poisson Noise. IEEE Transactions on Signal Processing, 2010, 58, 3990-4002.	5.3	115
43	Multiscale Photon-Limited Spectral Image Reconstruction. SIAM Journal on Imaging Sciences, 2010, 3, 619-645.	2.2	23
44	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
45	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
46	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
47	Scaling and Renormalization in Fault-Tolerant Quantum Computers. Quantum Information Processing, 2003, 2, 249-258.	2.2	1
48	Radonâ€™Nikodym derivatives of quantum operations. Journal of Mathematical Physics, 2003, 44, 5003-5020.	1.1	32
49	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
50	A fidelity measure for quantum channels. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 290, 11-18.	2.1	61
51	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