

Alexander Olshevsky

List of Publications by Year in descending order

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2,235
citations

623699

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29
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docs citations

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times ranked

1821
citing authors

#	ARTICLE	IF	CITATIONS
1	A Sharp Estimate on the Transient Time of Distributed Stochastic Gradient Descent. IEEE Transactions on Automatic Control, 2022, 67, 5900-5915.	5.7	11
2	Nonasymptotic Concentration Rates in Cooperative Learningâ€”Part II: Inference on Compact Hypothesis Sets. IEEE Transactions on Control of Network Systems, 2022, 9, 1141-1153.	3.7	4
3	Nonasymptotic Concentration Rates in Cooperative Learningâ€”Part I: Variational Non-Bayesian Social Learning. IEEE Transactions on Control of Network Systems, 2022, 9, 1128-1140.	3.7	3
4	Deterministic and Randomized Actuator Scheduling With Guaranteed Performance Bounds. IEEE Transactions on Automatic Control, 2021, 66, 1686-1701.	5.7	20
5	Asymptotic Convergence Rate of Alternating Minimization for Rank One Matrix Completion. , 2021, 5, 1139-1144.		0
6	Asymptotic Network Independence in Distributed Stochastic Optimization for Machine Learning: Examining Distributed and Centralized Stochastic Gradient Descent. IEEE Signal Processing Magazine, 2020, 37, 114-122.	5.6	21
7	Robust Asynchronous Stochastic Gradient-Push: Asymptotically Optimal and Network-Independent Performance for Strongly Convex Functions. Journal of Machine Learning Research, 2020, 21, .	62.4	1
8	Scaling Laws for Consensus Protocols Subject to Noise. IEEE Transactions on Automatic Control, 2019, 64, 1389-1402.	5.7	16
9	On the Inapproximability of the Discrete Witsenhausen Problem. , 2019, 3, 529-534.		3
10	Graph-Theoretic Analysis of Belief System Dynamics under Logic Constraints. Scientific Reports, 2019, 9, 8843.	3.3	14
11	Federated learning of predictive models from federated Electronic Health Records. International Journal of Medical Informatics, 2018, 112, 59-67.	3.3	492
12	Network Topology and Communication-Computation Tradeoffs in Decentralized Optimization. Proceedings of the IEEE, 2018, 106, 953-976.	21.3	258
13	On (Non)Supermodularity of Average Control Energy. IEEE Transactions on Control of Network Systems, 2018, 5, 1177-1181.	3.7	24
14	Minimal Reachability is Hard To Approximate. IEEE Transactions on Automatic Control, 2018, , 1-1.	5.7	3
15	Limitations and Tradeoffs in Minimum Input Selection Problems. , 2018, , .		4
16	Fast Convergence Rates for Distributed Non-Bayesian Learning. IEEE Transactions on Automatic Control, 2017, 62, 5538-5553.	5.7	128
17	Convergence Time of Quantized Metropolis Consensus Over Time-Varying Networks. IEEE Transactions on Automatic Control, 2016, 61, 4048-4054.	5.7	14
18	Minimum input selection for structural controllability. , 2015, , .		45

#	ARTICLE	IF	CITATIONS
19	Nonuniform Line Coverage From Noisy Scalar Measurements. IEEE Transactions on Automatic Control, 2015, 60, 1975-1980.	5.7	18
20	Distributed Optimization Over Time-Varying Directed Graphs. IEEE Transactions on Automatic Control, 2015, 60, 601-615.	5.7	728
21	Minimal Controllability Problems. IEEE Transactions on Control of Network Systems, 2014, 1, 249-258.	3.7	239
22	On primitivity of sets of matrices. , 2013, , .		3
23	Degree Fluctuations and the Convergence Time of Consensus Algorithms. IEEE Transactions on Automatic Control, 2013, 58, 2626-2631.	5.7	19
24	Distributed optimization of strongly convex functions on directed time-varying graphs. , 2013, , .		6
25	Distributed optimization over time-varying directed graphs. , 2013, , .		36
26	Cooperative learning in multi-agent systems from intermittent measurements. , 2013, , .		6
27	Consensus with ternary messages. , 2013, , .		1
28	Symmetric continuum opinion dynamics: Convergence, but sometimes only in distribution. , 2013, , .		5
29	Convergence Speed in Distributed Consensus and Averaging. SIAM Review, 2011, 53, 747-772.	8.4	113