

Behrouz Touri

List of Publications by Year in descending order

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36
papers

657
citations

840776

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839539

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37
all docs

37
docs citations

37
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Convex Distributed Optimization. IEEE Transactions on Automatic Control, 2017, 62, 3744-3757.	5.7	100
2	On Ergodicity, Infinite Flow, and Consensus in Random Models. IEEE Transactions on Automatic Control, 2011, 56, 1593-1605.	5.7	88
3	Product of Random Stochastic Matrices. IEEE Transactions on Automatic Control, 2014, 59, 437-448.	5.7	84
4	On backward product of stochastic matrices. Automatica, 2012, 48, 1477-1488.	5.0	41
5	Modeling multi-robot task allocation with limited information as global game. Swarm Intelligence, 2016, 10, 147-160.	2.2	38
6	Product of Random Stochastic Matrices and Distributed Averaging. Springer Theses, 2012, , .	0.1	35
7	On Approximations and Ergodicity Classes in Random Chains. IEEE Transactions on Automatic Control, 2012, 57, 2718-2730.	5.7	32
8	Convex Relaxation of Grid-Connected Energy Storage System Models With Complementarity Constraints in DC OPF. IEEE Transactions on Smart Grid, 2020, 11, 4070-4079.	9.0	25
9	On convergence rate of scalar Hegselmann-Krause dynamics. , 2013, , .		21
10	Termination time of multidimensional Hegselmann-Krause opinion dynamics. , 2013, , .		20
11	A Modified Saddle-Point Dynamics for Distributed Convex Optimization on General Directed Graphs. IEEE Transactions on Automatic Control, 2020, 65, 3098-3103.	5.7	19
12	On Endogenous Random Consensus and Averaging Dynamics. IEEE Transactions on Control of Network Systems, 2014, 1, 241-248.	3.7	18
13	When infinite flow is sufficient for ergodicity. , 2010, , .		17
14	Estimating repeat spectra and genome length from low-coverage genome skims with RESPECT. PLoS Computational Biology, 2021, 17, e1009449.	3.2	17
15	On existence of a quadratic comparison function for random weighted averaging dynamics and its implications. , 2011, , .		16
16	Saddle-point dynamics for distributed convex optimization on general directed graphs. , 2016, , .		15
17	Push-Sum on Random Graphs: Almost Sure Convergence and Convergence Rate. IEEE Transactions on Automatic Control, 2020, 65, 1295-1302.	5.7	11
18	Hegselmann-Krause Dynamics with Limited Connectivity. , 2018, , .		10

#	ARTICLE	IF	CITATIONS
19	Alternative characterization of ergodicity for doubly stochastic chains. , 2011, , .		9
20	Impact of information in a simple multiagent collaborative task. , 2015, , .		4
21	Distributed optimization on random graphs. IFAC-PapersOnLine, 2018, 51, 391-395.	0.9	4
22	Stochastic Evolutionary Dynamics: A Graphical Reformulation of Evolutionarily Stable Strategy (ESS) Analysis. , 2019, 3, 55-60.		4
23	On the Convergence Properties of Social Hegselmann-Krause Dynamics. IEEE Transactions on Automatic Control, 2022, 67, 589-604.	5.7	4
24	Non-Bayesian Social Learning on Random Digraphs With Aperiodically Varying Network Connectivity. IEEE Transactions on Control of Network Systems, 2022, 9, 1202-1214.	3.7	4
25	On indigenous random consensus and averaging dynamics. , 2013, , .		3
26	Dynamics in atomic signaling games. Journal of Theoretical Biology, 2015, 376, 82-90.	1.7	3
27	Global Games With Noisy Information Sharing. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 497-509.	2.8	3
28	Approximation and limiting behavior of random models. , 2010, , .		2
29	On local analysis of distributed optimization. , 2016, , .		2
30	Littlewood-Offord theory and controllability of random structures. , 2016, , .		2
31	Threshold policy for global games with noisy information sharing. , 2015, , .		1
32	Convergence Rate of Push-Sum Algorithms on Random Graphs. , 2018, , .		1
33	On Graphs with Bounded and Unbounded Convergence Times in Social Hegselmann-Krause Dynamics. , 2019, , .		1
34	How Do Humans and Data Systems Establish a CommonQuery Language?. SIGMOD Record, 2019, 48, 51-58.	1.2	1
35	Model Predictive Control for Track Following and Disturbance Rejection in a Tape Drive System * *This work was supported in part by the US National Science Foundation (NSF Grant CMMI-1234980), and the Hanse-Wissenschaftskolleg Institute for Advanced Study (Delmenhorst, Germany). Additional industrial support is also greatly appreciated.. IFAC-PapersOnLine, 2017, 50, 10864-10869.	0.9	0
36	Ergodicity of Continuous-Time Distributed Averaging Dynamics: A Spanning Directed Rooted Tree Approach. IEEE Transactions on Automatic Control, 2022, 67, 918-925.	5.7	0