A Stephen Morse

List of Publications by Year
in descending order

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30 papers	2,012 citations	623734 14 h-index	940533 16 g-index
30 all docs	30 docs citations	30 times ranked	1127 citing authors

#	Article	IF	Citations
1	Reaching a Consensus in a Dynamically Changing Environment: A Graphical Approach. SIAM Journal on Control and Optimization, 2008, 47, 575-600.	2.1	446
2	Reaching a Consensus in a Dynamically Changing Environment: Convergence Rates, Measurement Delays, and Asynchronous Events. SIAM Journal on Control and Optimization, 2008, 47, 601-623.	2.1	257
3	Multiple model adaptive control. Part 2: switching. International Journal of Robust and Nonlinear Control, 2001, 11, 479-496.	3.7	199
4	A Distributed Algorithm for Solving a Linear Algebraic Equation. IEEE Transactions on Automatic Control, 2015, 60, 2863-2878.	5.7	196
5	Agreeing Asynchronously. IEEE Transactions on Automatic Control, 2008, 53, 1826-1838.	5.7	184
6	A Distributed Observer for a Time-Invariant Linear System. IEEE Transactions on Automatic Control, 2018, 63, 2123-2130.	5.7	107
7	Multiple model adaptive control with safe switching. International Journal of Adaptive Control and Signal Processing, 2001, 15, 445-470.	4.1	104
8	Undirected Rigid Formations Are Problematic. IEEE Transactions on Automatic Control, 2016, 61, 2821-2836.	5.7	96
9	Deterministic Gossiping. Proceedings of the IEEE, 2011, 99, 1505-1524.	21.3	88
10	Graphical properties of easily localizable sensor networks. Wireless Networks, 2009, 15, 177-191.	3.0	77
11	Asynchronous Distributed Algorithms for Solving Linear Algebraic Equations. IEEE Transactions on Automatic Control, 2018, 63, 372-385.	5.7	58
12	Analysis of Difficulty Control in Bitcoin and Proof-of-Work Blockchains. , 2018, , .		29
13	A distributed algorithm with an arbitrary initialization for solving a linear algebraic equation. , 2016, , .		25
14	Rigid Motions of 3-D Undirected Formations With Mismatch Between Desired Distances. IEEE Transactions on Automatic Control, 2017, 62, 4151-4158.	5.7	20
15	A Distributed Algorithm for Computing a Common Fixed Point of a Finite Family of Paracontractions. IEEE Transactions on Automatic Control, 2018, 63, 2833-2843.	5.7	19
16	A Graphical Characterization of Structurally Controllable Linear Systems With Dependent Parameters. IEEE Transactions on Automatic Control, 2019, 64, 4484-4495.	5.7	18
17	A Distributed Observer for a Discrete-Time Linear System. , 2019, , .		16
18	Dynamic threshold models of collective action in social networks. , 2012, , .		14

#	Article	IF	Citations
19	An asynchronous distributed algorithm for computing a common fixed point of a family of paracontractions. , 2016, , .		14
20	A Distributed Observer for a Continuous-Time Linear System. , 2019, , .		14
21	An adaptive approach to the rangeâ€only stationâ€keeping problem. International Journal of Adaptive Control and Signal Processing, 2012, 26, 757-777.	4.1	10
22	Towards optimal convex combination rules for gossiping. , 2013, , .		9
23	Robust control of undirected rigid formations with constant measurement bias in relative positions. , 2016, , .		6
24	On the distributed computation of a common fixed point of a family of paracontractions. , 2017, , .		2
25	The Power Allocation Game on Dynamic Networks: Subgame Perfection. , 2018, , .		2
26	Computational Vision at Yale. International Journal of Computer Vision, 1999, 35, 5-12.	15.6	1
27	A distributed, dynamical system view of finite, static games. , 2017, , .		1
28	Remembering Bruce Francis [Historical Perspectives]. IEEE Control Systems, 2018, 38, 98-99.	0.8	0
29	Necessary Conditions and Sufficient Conditions for Finding a Common Fixed Point of a Family of Maps Using a Distributed Algorithm. , 2019, , .		0
30	Structural Completeness of a Multichannel Linear System With Dependent Parameters. IEEE Transactions on Automatic Control, 2022, 67, 267-278.	5.7	0