

Giacomo Baggio

List of Publications by Year in descending order

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26
papers

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1163117

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times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-driven control of complex networks. <i>Nature Communications</i> , 2021, 12, 1429.	12.8	72
2	Stability Conditions for Cluster Synchronization in Networks of Heterogeneous Kuramoto Oscillators. <i>IEEE Transactions on Control of Network Systems</i> , 2020, 7, 302-314.	3.7	61
3	Data-Driven Minimum-Energy Controls for Linear Systems. , 2019, 3, 589-594.		58
4	On the Role of Network Centrality in the Controllability of Complex Networks. <i>IEEE Transactions on Control of Network Systems</i> , 2017, 4, 643-653.	3.7	48
5	Efficient communication over complex dynamical networks: The role of matrix non-normality. <i>Science Advances</i> , 2020, 6, eaba2282.	10.3	20
6	On the Existence of a Solution to a Spectral Estimation Problem <math>\tilde{L}</math> <math>\tilde{L}</math>; Byrnes"Georgiou"Lindquist. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 820-825.	5.7	19
7	On the Factorization of Rational Discrete-Time Spectral Densities. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 969-981.	5.7	16
8	A Framework to Control Functional Connectivity in the Human Brain. , 2019, , .		14
9	On Minimal Spectral Factors With Zeroes and Poles Lying on Prescribed Regions. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 2251-2255.	5.7	10
10	Parametrization of Minimal Spectral Factors of Discrete-Time Rational Spectral Densities. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 396-403.	5.7	9
11	Further Results on the Convergence of the Pava"Ferrante Algorithm for Spectral Estimation. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 3510-3515.	5.7	8
12	Exact and Approximate Stability Conditions for Cluster Synchronization of Kuramoto Oscillators. , 2019, , .		8
13	Learning Minimum-Energy Controls from Heterogeneous Data. , 2020, , .		8
14	Distributed Learning of Optimal Controls for Linear Systems. , 2021, , .		8
15	Quantum state preparation by controlled dissipation in finite time: From classical to quantum controllers. , 2012, , .		7
16	Gramian Optimization with Input-Power Constraints. , 2019, , .		7
17	Conditions for Feedback Linearization of Network Systems. , 2020, 4, 578-583.		7
18	On the Relation Between Non-normality and Diameter in Linear Dynamical Networks. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
19	Non-normality Improves Information Transmission Performance of Network Systems. IEEE Transactions on Control of Network Systems, 2021, 8, 1846-1858.	3.7	5
20	The Shannon Capacity of Linear Dynamical Networks. , 2019, , .		3
21	Quantum Information Encoding from Stabilizing Dynamics. , 2019, , .		3
22	Energy-Aware Controllability of Complex Networks. Annual Review of Control, Robotics, and Autonomous Systems, 2022, 5, 465-489.	11.8	3
23	LTI Stochastic Processes: a Behavioral Perspective * *The research leading to these results has received funding from the European Research Council under the Advanced ERC Grant Agreement Switchlet n. 670645.. IFAC-PapersOnLine, 2017, 50, 2806-2811.	0.9	2
24	Information Transmission in Dynamical Networks: The Normal Network Case. , 2018, 2018, .		2
25	Conal Distances Between Rational Spectral Densities. IEEE Transactions on Automatic Control, 2019, 64, 1848-1857.	5.7	2
26	On the Convergence of a Matricial Fixed-Point Iteration Connected with Spectral Estimation. IFAC-PapersOnLine, 2017, 50, 7415-7420.	0.9	1