

Jan Maximilian Montenbruck

List of Publications by Year in descending order

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28
papers

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1307594

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docs citations

29
times ranked

310
citing authors

#	ARTICLE	IF	CITATIONS
1	Sampling Strategies for Data-Driven Inference of Input-Output System Properties. IEEE Transactions on Automatic Control, 2021, 66, 1144-1159.	5.7	10
2	Data-driven inference of conic relations via saddle-point dynamics. IFAC-PapersOnLine, 2018, 51, 396-401.	0.9	3
3	Some Ideas on Sampling Strategies for Data-Driven Inference of Passivity Properties for MIMO Systems. , 2018, , .		17
4	A Distributed Control Approach to Formation Balancing and Maneuvering of Multiple Multirotor UAVs. IEEE Transactions on Robotics, 2018, 34, 870-882.	10.3	52
5	An Input-Output Framework for Submanifold Stabilization. IEEE Transactions on Automatic Control, 2017, 62, 5170-5184.	5.7	0
6	Fekete Points, Formation Control, and the Balancing Problem. IEEE Transactions on Automatic Control, 2017, 62, 5069-5081.	5.7	6
7	Collinear dynamical systems. Systems and Control Letters, 2017, 105, 34-43.	2.3	3
8	A resource dependent protein synthesis model for evaluating synthetic circuits. Journal of Theoretical Biology, 2017, 420, 267-278.	1.7	5
9	Robust nonlinear control approach to nontrivial maneuvers and obstacle avoidance for quadrotor UAV under disturbances. Robotics and Autonomous Systems, 2017, 98, 317-332.	5.1	36
10	Periodic Signal Compressors. IFAC-PapersOnLine, 2017, 50, 6465-6470.	0.9	0
11	Structured State Feedback Controllers and Optimal Submanifold Stabilization. SIAM Journal on Control and Optimization, 2017, 55, 2393-2411.	2.1	4
12	Determining dissipation inequalities from input-output samples * *The authors thank the German Research Foundation (DFG) for financial support of the project within the Cluster of Excellence in Simulation Technology (EXC 310/2) at the University of Stuttgart.. IFAC-PapersOnLine, 2017, 50, 7789-7794.	0.9	17
13	Separable matrices and minimum complexity controllers. , 2017, , .		0
14	Sampling strategies for data-driven inference of passivity properties. , 2017, , .		23
15	Linear systems with quadratic outputs. , 2017, , .		4
16	Some problems arising in controller design from big data via input-output methods. , 2016, , .		32
17	Persistence of Excitation and the Feedback Theorem for Passive Systems. IFAC-PapersOnLine, 2016, 49, 927-932.	0.9	1
18	Asymptotic stabilization of submanifolds embedded in Riemannian manifolds. Automatica, 2016, 74, 349-359.	5.0	7

#	ARTICLE	IF	CITATIONS
19	Compensating Drift Vector Fields With Gradient Vector Fields for Asymptotic Submanifold Stabilization. IEEE Transactions on Automatic Control, 2016, 61, 388-399.	5.7	10
20	On the Necessity of Diffusive Couplings in Linear Synchronization Problems With Quadratic Cost. IEEE Transactions on Automatic Control, 2015, 60, 3029-3034.	5.7	15
21	A convex conic underestimate of Laplacian spectra and its application to network synthesis. , 2015, , .		0
22	Stabilizing submanifolds with passive input-output relations. , 2015, , .		2
23	A robust nonlinear controller for nontrivial quadrotor maneuvers: Approach and verification. , 2015, , .		8
24	Synchronization of diffusively coupled systems on compact Riemannian manifolds in the presence of drift. Systems and Control Letters, 2015, 76, 19-27.	2.3	4
25	Practical synchronization with diffusive couplings. Automatica, 2015, 53, 235-243.	5.0	54
26	Pinning Capital Stock and Gross Investment Rate in Competing Rationally Managed Firms. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10719-10724.	0.4	0
27	Practical cluster synchronization of heterogeneous systems on graphs with acyclic topology. , 2013, , .		3
28	Practical and Robust Synchronization of Systems with Additive Linear Uncertainties. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 743-748.	0.4	6