

Johan Markdahl

List of Publications by Year in descending order

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times ranked

173
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchronization on Riemannian Manifolds: Multiply Connected Implies Multistable. IEEE Transactions on Automatic Control, 2021, 66, 4311-4318.	3.6	13
2	Almost global convergence to practical synchronization in the generalized Kuramoto model on networks over the n-sphere. Communications Physics, 2021, 4, .	2.0	12
3	Counterexamples in synchronization: Pathologies of consensus seeking gradient descent flows on surfaces. Automatica, 2021, 134, 109945.	3.0	4
4	High-dimensional Kuramoto models on Stiefel manifolds synchronize complex networks almost globally. Automatica, 2020, 113, 108736.	3.0	32
5	Consensus seeking gradient descent flows on boundaries of convex sets. , 2020, , .		0
6	Towards Almost Global Synchronization on the Stiefel Manifold. , 2018, , .		5
7	Dynamic controllers for column synchronization of rotation matrices: A QR-factorization approach. Automatica, 2018, 93, 20-25.	3.0	11
8	Decentralized cooperative tracking subject to motion constraints. Automatica, 2018, 96, 121-126.	3.0	5
9	A lifting method for analyzing distributed synchronization on the unit sphere. Automatica, 2018, 96, 253-258.	3.0	20
10	Almost Global Consensus on the S^n -Sphere. IEEE Transactions on Automatic Control, 2018, 63, 1664-1675.	3.6	83
11	A geodesic feedback law to decouple the full and reduced attitude. Systems and Control Letters, 2017, 102, 32-41.	1.3	13
12	Intrinsic reduced attitude formation with ring inter-agent graph. Automatica, 2017, 85, 193-201.	3.0	19
13	Experimental design trade-offs for gene regulatory network inference: An in silico study of the yeast Saccharomyces cerevisiae cell cycle. , 2017, , .		0
14	Global convergence properties of a consensus protocol on the n-sphere. , 2016, , .		8
15	Exact solutions to a class of feedback systems on S^n . Automatica, 2016, 63, 138-147.	3.0	14
16	Distributed control for intrinsic reduced attitude formation with ring inter-agent graph. , 2015, , .		6
17	A hybrid control approach to task priority based mobile manipulation. , 2015, , .		1
18	A globally stabilizing hybrid control algorithm for mobile manipulation subject to joint-space constraints. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	Analytical Solutions to a Class of Feedback Systems on $SO(n)$. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 445-450.	0.4	2
20	Analytical solutions to feedback systems on the special orthogonal group $SO(n)$. , 2013, , .		3
21	A high level decentralized tracking algorithm for three manipulators subject to motion constraints. , 2012, , .		1
22	Exact solutions to the closed loop kinematics of an almost globally stabilizing feedback law on $SO(3)$. , 2012, , .		4
23	Cooperative Object Path Following Control by means of Mobile Manipulators: a Switched Systems Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 773-778.	0.4	6
24	Distributed cooperative object attitude manipulation. , 2012, , .		17
25	Distributed Attitude Control of Multi-Agent Formations*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4513-4518.	0.4	5