

Johan Markdahl

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

285
citations

1039406

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1058022

14
g-index

25
all docs

25
docs citations

25
times ranked

173
citing authors

#	ARTICLE	IF	CITATIONS
1	Almost Global Consensus on the S^n -Sphere. IEEE Transactions on Automatic Control, 2018, 63, 1664-1675.	3.6	83
2	High-dimensional Kuramoto models on Stiefel manifolds synchronize complex networks almost globally. Automatica, 2020, 113, 108736.	3.0	32
3	A lifting method for analyzing distributed synchronization on the unit sphere. Automatica, 2018, 96, 253-258.	3.0	20
4	Intrinsic reduced attitude formation with ring inter-agent graph. Automatica, 2017, 85, 193-201.	3.0	19
5	Distributed cooperative object attitude manipulation. , 2012, , .		17
6	Exact solutions to a class of feedback systems on $SO(n)$. Automatica, 2016, 63, 138-147.	3.0	14
7	A geodesic feedback law to decouple the full and reduced attitude. Systems and Control Letters, 2017, 102, 32-41.	1.3	13
8	Synchronization on Riemannian Manifolds: Multiply Connected Implies Multistable. IEEE Transactions on Automatic Control, 2021, 66, 4311-4318.	3.6	13
9	Almost global convergence to practical synchronization in the generalized Kuramoto model on networks over the n -sphere. Communications Physics, 2021, 4, .	2.0	12
10	Dynamic controllers for column synchronization of rotation matrices: A QR-factorization approach. Automatica, 2018, 93, 20-25.	3.0	11
11	Global convergence properties of a consensus protocol on the n -sphere. , 2016, , .		8
12	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
13	Distributed control for intrinsic reduced attitude formation with ring inter-agent graph. , 2015, , .		6
14	Distributed Attitude Control of Multi-Agent Formations*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4513-4518.	0.4	5
15	Towards Almost Global Synchronization on the Stiefel Manifold. , 2018, , .		5
16	Decentralized cooperative tracking subject to motion constraints. Automatica, 2018, 96, 121-126.	3.0	5
17	Exact solutions to the closed loop kinematics of an almost globally stabilizing feedback law on $SO(3)$. , 2012, , .		4
18	Counterexamples in synchronization: Pathologies of consensus seeking gradient descent flows on surfaces. Automatica, 2021, 134, 109945.	3.0	4

#	ARTICLE	IF	CITATIONS
19	Analytical solutions to feedback systems on the special orthogonal group $SO(n)$. , 2013, , .		3
20	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
21	A high level decentralized tracking algorithm for three manipulators subject to motion constraints. , 2012, , .		1
22	A globally stabilizing hybrid control algorithm for mobile manipulation subject to joint-space constraints. , 2014, , .		1
23	A hybrid control approach to task priority based mobile manipulation. , 2015, , .		1
24	Experimental design trade-offs for gene regulatory network inference: An in silico study of the yeast <i>Saccharomyces cerevisiae</i> cell cycle. , 2017, , .		0
25	Consensus seeking gradient descent flows on boundaries of convex sets. , 2020, , .		0