Mathias BÃ¹/₄rger

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11029435/publications.pdf

Version: 2024-02-01

933447 940533 31 846 10 16 citations h-index g-index papers 31 31 31 660 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Simultaneous task allocation and planning for temporal logic goals in heterogeneous multi-robot systems. International Journal of Robotics Research, 2018, 37, 818-838.	8.5	92
2	Topological and Graph-Coloring Conditions on the Parameter-Independent Stability of Second-Order Networked Systems. SIAM Journal on Control and Optimization, 2017, 55, 3750-3778.	2.1	4
3	Multi-objective search for optimal multi-robot planning with finite LTL specifications and resource constraints., 2017,,.		11
4	Compensating Drift Vector Fields With Gradient Vector Fields for Asymptotic Submanifold Stabilization. IEEE Transactions on Automatic Control, 2016, 61, 388-399.	5.7	10
5	An internal model approach to (optimal) frequency regulation in power grids with time-varying voltages. Automatica, 2016, 64, 240-253.	5.0	145
6	Dynamic Pricing Control for Constrained Distribution Networks With Storage. IEEE Transactions on Control of Network Systems, 2015, 2, 88-97.	3.7	10
7	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
8	Practical synchronization with diffusive couplings. Automatica, 2015, 53, 235-243.	5.0	54
9	Dynamic coupling design for nonlinear output agreement and time-varying flow control. Automatica, 2015, 51, 210-222.	5.0	74
10	A Polyhedral Approximation Framework for Convex and Robust Distributed Optimization. IEEE Transactions on Automatic Control, 2014, 59, 384-395.	5.7	56
11	Duality and network theory in passivity-based cooperative control. Automatica, 2014, 50, 2051-2061.	5.0	79
12	Practical cluster synchronization of heterogeneous sytems on graphs with acyclic topology. , 2013, , .		3
13	Hierarchical Clustering of Dynamical Networks Using a Saddle-Point Analysis. IEEE Transactions on Automatic Control, 2013, 58, 113-124.	5.7	27
14	Internal models for nonlinear output agreement and optimal flow control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 289-294.	0.4	14
15	On the Steady-State Inverse-Optimality of Passivity-based Cooperative Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 138-143.	0.4	3
16	From non-cooperative to cooperative distributed MPC: A simplicial approximation perspective., 2013,,.		1
17	Discrete-time Incremental ISS: A framework for Robust NMPC. , 2013, , .		36
18	Exact convex formulations of network-oriented optimal operator placement., 2012,,.		3

#	Article	IF	CITATIONS
19	Adaptive control of state constrained nonlinear systems in strict feedback form. , 2012, , .		4
20	A distributed simplex algorithm for degenerate linear programs and multi-agent assignments. Automatica, 2012, 48, 2298-2304.	5.0	77
21	Combinatorial insights and robustness analysis for clustering in dynamical networks., 2012,,.		1
22	Distributed robust optimization via Cutting-Plane Consensus. , 2012, , .		4
23	On State-Constrained Control of a CSTR*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6079-6084.	0.4	5
24	A distributed simplex algorithm and the multi-agent assignment problem. , 2011, , .		10
25	Locally constrained decision making via two-stage distributed simplex. , 2011, , .		7
26	Network clustering: A dynamical systems and saddle-point perspective. , 2011, , .		10
27	On the zeros of consensus networks. , 2011, , .		18
28	Robust Constraint Satisfaction for Continuous-Time Nonlinear Systems in Strict Feedback Form. IEEE Transactions on Automatic Control, 2010, 55, 2597-2601.	5.7	75
29	A backstepping approach to multivariable robust constraint satisfaction with application to a VTOL helicopter., 2009,,.		4
30	Extensions on a certainty-equivalence feedback design with a class of feedbacks which guarantee ISS. , 2008, , .		2
31	Robust constraint satisfaction for continuous-time nonlinear systems. , 2008, , .		3