

Mohamed Adlene Maghenem

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Distributed consensus-formation of force-controlled nonholonomic robots with time-varying delays. <i>Automatica</i> , 2020, 120, 109114.	5.0	49
2	Formation-Tracking Control of Autonomous Vehicles Under Relaxed Persistency of Excitation Conditions. <i>IEEE Transactions on Control Systems Technology</i> , 2018, 26, 1860-1865.	5.2	33
3	Consensus of Multi-Agent Systems With Nonholonomic Restrictions via Lyapunov's Direct Method. , 2019, 3, 344-349.		31
4	A robust $\hat{\Gamma}$ -persistently exciting controller for leader-follower tracking-agreement of multiple vehicles. <i>European Journal of Control</i> , 2018, 40, 1-12.	2.6	22
5	Strict Lyapunov functions for time-varying systems with persistency of excitation. <i>Automatica</i> , 2017, 78, 274-279.	5.0	21
6	Strict Lyapunov Functions for Model Reference Adaptive Control: Application to Lagrangian Systems. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 3040-3045.	5.7	20
7	Cascades-Based Leader-Follower Formation Tracking and Stabilization of Multiple Nonholonomic Vehicles. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 3639-3646.	5.7	18
8	Consensus-Based Formation Control of Networked Nonholonomic Vehicles With Delayed Communications. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 2242-2249.	5.7	15
9	A Cascades Approach to Formation-Tracking Stabilization of Force-Controlled Autonomous Vehicles. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 2662-2669.	5.7	14
10	Barrier Function Certificates for Forward Invariance in Hybrid Inclusions. , 2018, , .		10
11	Consensus-based Formation Control of Nonholonomic Robots using a Strict Lyapunov Function. <i>IFAC-PapersOnLine</i> , 2017, 50, 2439-2444.	0.9	8
12	Characterization of Safety and Conditional Invariance for Nonlinear Systems. , 2019, , .		7
13	A unique robust controller for tracking and stabilisation of non-holonomic vehicles. <i>International Journal of Control</i> , 2020, 93, 2302-2313.	1.9	6
14	Distributed Full-Consensus Control of Nonholonomic Vehicles Under Non-Differentiable Measurement Delays. , 2021, 5, 97-102.		6
15	Monotonicity Along Solutions to Constrained Differential Inclusions. , 2019, , .		4
16	Lyapunov-based synchronization of networked systems: From continuous-time to hybrid dynamics. <i>Annual Reviews in Control</i> , 2020, 50, 335-342.	7.9	4
17	Lipschitzness of Minimal-Time Functions in Constrained Continuous-Time Systems with Applications to Reachability Analysis. , 2020, , .		3
18	Regularity Properties of Reachability Maps for Hybrid Dynamical Systems with Applications to Safety. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	Multiple Barrier Function Certificates for Weak Forward Invariance in Hybrid Inclusions. , 2019, , .		2
20	Leaderless Consensus-based Formation Control of Multiple Nonholonomic Mobile Robots with Interconnecting Delays. , 2019, , .		2
21	Multiple Barrier Function Certificates for Forward Invariance in Hybrid Inclusions. , 2019, , .		0
22	Decentralized partial-consensus control of nonholonomic vehicles over networks with interconnection delays. , 2020, , .		0
23	Hybrid Predictive Control for Tracking in a Single-Phase DC/AC Inverter with an Unknown Load. , 2020, , .		0