Mohammad Deghat

List of Publications by Year
in descending order

29	801	1040056 9	1058476 14
papers	citations	h-index	g-index

29	29	29	503
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Localization and Circumnavigation of a Slowly Moving Target Using Bearing Measurements. IEEE Transactions on Automatic Control, 2014, 59, 2182-2188.	5.7	182
2	Combined Flocking and Distance-Based Shape Control of Multi-Agent Formations. IEEE Transactions on Automatic Control, 2016, 61, 1824-1837.	5.7	104
3	Distributed formation control with relaxed motion requirements. International Journal of Robust and Nonlinear Control, 2015, 25, 3210-3230.	3.7	71
4	Multi-target localization and circumnavigation by a single agent using bearing measurements. International Journal of Robust and Nonlinear Control, 2015, 25, 2362-2374.	3.7	61
5	Target localization and circumnavigation using bearing measurements in 2D. , 2010, , .		54
6	Simultaneous Velocity and Position Estimation via Distance-Only Measurements With Application to Multi-Agent System Control. IEEE Transactions on Automatic Control, 2017, 62, 869-875.	5.7	49
7	Detection and mitigation of biasing attacks on distributed estimation networks. Automatica, 2019, 99, 369-381.	5.0	47
8	Rigid formation control of double-integrator systems. International Journal of Control, 2017, 90, 1403-1419.	1.9	43
9	Finite time distributed distanceâ€constrained shape stabilization and flocking control for dâ€dimensional undirected rigid formations. International Journal of Robust and Nonlinear Control, 2016, 26, 2824-2844.	3.7	38
10	Target localization and circumnavigation by a non-holonomic robot. , 2012, , .		32
11	Combining distance-based formation shape control with formation translation. , 2012, , 121-130.		29
12	Distributed Localization Via Barycentric Coordinates: Finite-Time Convergence*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7824-7829.	0.4	13
13	Detection of biasing attacks on distributed estimation networks. , 2016, , .		10
14	A Multi-Agent Deep Reinforcement Learning Approach for Practical Decentralized UAV Collision Avoidance. , 2022, 6, 2174-2179.		10
15	Safe Formation Control with Obstacle Avoidance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 11252-11257.	0.4	8
16	Safe Autonomous Agent Formation Operations Via Obstacle Collision Avoidance. Asian Journal of Control, 2015, 17, 1473-1483.	3.0	7
17	Singularly Perturbed Algorithms for Velocity Consensus and Shape Control of Single Integrator Multi-Agent Systems. IFAC-PapersOnLine, 2018, 51, 200-205.	0.9	7
18	Distributed shape control and collision avoidance for multi-agent systems with bearing-only constraints. , 2015, , .		6

#	Article	IF	Citations
19	Sensor Anomaly Detection and Recovery in the Roll Dynamics of a Delta-Wing Aircraft via Monte Carlo and Maximum Likelihood Methods * *This work is supported by The Boeing Company. IFAC-PapersOnLine, 2017, 50, 12791-12796.	0.9	5
20	Practical exponential stability and closeness of solutions for singularly perturbed systems via averaging. Automatica, 2021, 126, 109449.	5.0	5
21	Target Localization and Circumnavigation With Integral Action in RÂ². , 2022, 6, 1250-1255.		5
22	Experimental study of a robust-adaptive controller design for two cooperating RLED robot manipulators carrying a rigid payload. , 2009, , .		4
23	Translational velocity consensus using distance-only measurements. , 2013, , .		4
24	Iterative state feedback control and its application to robot control. , 2009, , .		3
25	Sensor fault detection for the roll dynamic model of a generic delta-wing aircraft. , 2016, , .		2
26	Closeness of Solutions for Singularly Perturbed Systems via Averaging. , 2018, , .		2
27	A Tracking Control Design Based on Time-Varying Disturbance Attenuation for a 6-DOF Rigid Manipulator. , 2007, , .		0
28	A new method for integrating analog to digital conversion based on error reduction. Measurement: Journal of the International Measurement Confederation, 2007, 40, 919-927.	5.0	0
29	Observing the Slow States of General Singularly Perturbed Systems. , 2020, , .		0