

Miguel Aranda

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4577029/publications.pdf>

Version: 2024-02-01

34
papers

305
citations

1163117

8
h-index

996975

15
g-index

35
all docs

35
docs citations

35
times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation Control of Mobile Robots Using Multiple Aerial Cameras. IEEE Transactions on Robotics, 2015, 31, 1064-1071.	10.3	47
2	Coordinate-free formation stabilization based on relative position measurements. Automatica, 2015, 57, 11-20.	5.0	38
3	Distributed Formation Stabilization Using Relative Position Measurements in Local Coordinates. IEEE Transactions on Automatic Control, 2016, 61, 3925-3935.	5.7	32
4	Adaptive Multirobot Formation Planning to Enclose and Track a Target With Motion and Visibility Constraints. IEEE Transactions on Robotics, 2020, 36, 142-156.	10.3	24
5	Visual Control for Multirobot Organized Rendezvous. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 1155-1168.	5.0	23
6	Three-dimensional multirobot formation control for target enclosing. , 2014, , .		20
7	As-Rigid-as-Possible Shape Servoing. IEEE Robotics and Automation Letters, 2022, 7, 3898-3905.	5.1	15
8	Omnidirectional visual homing using the 1D trifocal tensor. , 2010, , .		12
9	Time delay compensation based on Smith Predictor in multiagent formation control. IFAC-PapersOnLine, 2017, 50, 11645-11651.	0.9	11
10	Monocular Visual Shape Tracking and Servoing for Isometrically Deforming Objects. , 2020, , .		10
11	Robust stability analysis of formation control in local frames under time-varying delays and actuator faults. Journal of the Franklin Institute, 2019, 356, 1131-1153.	3.4	9
12	Formation of differential-drive vehicles with field-of-view constraints for enclosing a moving target. , 2017, , .		8
13	Deformation-based shape control with a multirobot system. , 2019, , .		8
14	Simultaneous shape control and transport with multiple robots. , 2020, , .		7
15	Partially distributed multirobot control with multiple cameras. , 2013, , .		6
16	Angle-based homing from a reference image set using the 1D trifocal tensor. Autonomous Robots, 2013, 34, 73-91.	4.8	5
17	Adaptive Deformation Control for Elastic Linear Objects. Frontiers in Robotics and AI, 2022, 9, 868459.	3.2	5
18	Enclosing a moving target with an optimally rotated and scaled multiagent pattern. International Journal of Control, 2021, 94, 601-611.	1.9	4

#	ARTICLE	IF	CITATIONS
19	Planar motion estimation from 1D homographies. , 2012, , .		3
20	Sinusoidal input-based visual control for nonholonomic vehicles. Robotica, 2013, 31, 811-823.	1.9	3
21	Scale-Free Vision-Based Aerial Control of a Ground Formation With Hybrid Topology. IEEE Transactions on Control Systems Technology, 2019, 27, 1703-1711.	5.2	3
22	Connectivity-preserving formation stabilization of unicycles in local coordinates using minimum spanning tree. , 2016, , .		2
23	Distributed Linear Control of Multirobot Formations Organized in Triads. IEEE Robotics and Automation Letters, 2021, 6, 8498-8505.	5.1	2
24	Angle-Based Navigation Using the 1D Trifocal Tensor. Advances in Industrial Control, 2017, , 19-51.	0.5	2
25	Multi-robot Formations: One Homography to Rule Them All. Advances in Intelligent Systems and Computing, 2014, , 703-714.	0.6	2
26	Multirobot control with double-integrator dynamics and control barrier functions for deformable object transport. , 2022, , .		2
27	Controlling Multiple Robots through Multiple 1D Homographies. , 2013, , .		1
28	Coordinate-Free Control of Multirobot Formations. Advances in Industrial Control, 2017, , 131-181.	0.5	1
29	Controlling Mobile Robot Teams from 1D Homographies. Advances in Industrial Control, 2017, , 79-102.	0.5	0
30	Multirobot Target Enclosing with Freely Selected Observation Distances. , 2018, , .		0
31	Vision-Based Control for Nonholonomic Vehicles. Advances in Industrial Control, 2017, , 53-77.	0.5	0
32	Conclusions and Directions for Future Research. Advances in Industrial Control, 2017, , 183-184.	0.5	0
33	Control of Mobile Robot Formations Using Aerial Cameras. Advances in Industrial Control, 2017, , 103-130.	0.5	0
34	Editorial: Robotic Handling of Deformable Objects. IEEE Robotics and Automation Letters, 2022, 7, 8257-8259.	5.1	0