

# Eduardo Montijano

## List of Publications by Year in descending order

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56  
papers

1,095  
citations

687363

13  
h-index

580821

25  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1020  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed attitude synchronization control of multi-agent systems with switching topologies. Automatica, 2014, 50, 832-840.	5.0	117
2	Vision-Based Distributed Formation Control Without an External Positioning System. IEEE Transactions on Robotics, 2016, 32, 339-351.	10.3	114
3	Distributed multi-robot formation control in dynamic environments. Autonomous Robots, 2019, 43, 1079-1100.	4.8	85
4	Human-Computer Interaction Based on Hand Gestures Using RGB-D Sensors. Sensors, 2013, 13, 11842-11860.	3.8	71
5	Distributed multi-robot formation control among obstacles: A geometric and optimization approach with consensus. , 2016, , .		58
6	Robust discrete time dynamic average consensus. Automatica, 2014, 50, 3131-3138.	5.0	55
7	Distributed Coverage Estimation and Control for Multirobot Persistent Tasks. IEEE Transactions on Robotics, 2016, 32, 1444-1460.	10.3	44
8	A Real-Time Game Theoretic Planner for Autonomous Two-Player Drone Racing. IEEE Transactions on Robotics, 2020, 36, 1389-1403.	10.3	41
9	Distributed formation control without a global reference frame. , 2014, , .		38
10	Chebyshev Polynomials in Distributed Consensus Applications. IEEE Transactions on Signal Processing, 2013, 61, 693-706.	5.3	37
11	A distributed algorithm for average consensus on strongly connected weighted digraphs. Automatica, 2014, 50, 946-951.	5.0	36
12	A decentralized algorithm for balancing a strongly connected weighted digraph. , 2013, , .		28
13	Distributed Data Association in Robotic Networks With Cameras and Limited Communications. IEEE Transactions on Robotics, 2013, 29, 1408-1423.	10.3	27
14	Epipolar Visual Servoing for Multirobot Distributed Consensus. IEEE Transactions on Robotics, 2013, 29, 1212-1225.	10.3	25
15	Distributed attitude synchronization control. , 2011, , .		22
16	Optimal role and position assignment in multi-robot freely reachable formations. Automatica, 2017, 81, 305-313.	5.0	21
17	A Real-Time Game Theoretic Planner for Autonomous Two-Player Drone Racing. , 0, , .		17
18	Distributed multi-camera visual mapping using topological maps of planar regions. Pattern Recognition, 2011, 44, 1528-1539.	8.1	15

#	ARTICLE	IF	CITATIONS
19	Distributed Robust Consensus Using RANSAC and Dynamic Opinions. IEEE Transactions on Control Systems Technology, 2015, 23, 150-163.	5.2	14
20	Optimal path planning and coverage control for multi-robot persistent coverage in environments with obstacles. , 2017, , .		13
21	Distributed entrapment for multi-robot systems with uncertainties. , 2013, , .		12
22	Efficient multi-robot formations using distributed optimization. , 2014, , .		11
23	Average consensus on strongly connected weighted digraphs: A generalized error bound. Automatica, 2015, 58, 1-4.	5.0	11
24	Multi-robot persistent coverage using branch and bound. , 2016, , .		11
25	Control in belief space with temporal logic specifications using vision-based localization. International Journal of Robotics Research, 2019, 38, 702-722.	8.5	11
26	Adaptive consensus and algebraic connectivity estimation in sensor networks with chebyshev polynomials. , 2011, , .		10
27	Multi-robot distributed visual consensus using epipoles. , 2011, , .		9
28	Step size analysis in discrete-time dynamic average consensus. , 2014, , .		9
29	Distributed formation control of non-holonomic robots without a global reference frame. , 2016, , .		9
30	Equitable persistent coverage of non-convex environments with graph-based planning. International Journal of Robotics Research, 2019, 38, 1674-1694.	8.5	9
31	Visual data association in narrow-bandwidth networks. , 2015, , .		8
32	Cooperative Periodic Coverage With Collision Avoidance. IEEE Transactions on Control Systems Technology, 2019, 27, 1411-1422.	5.2	8
33	Fast distributed consensus with Chebyshev polynomials. , 2011, , .		7
34	Distributed robust data fusion based on dynamic voting. , 2011, , .		7
35	Nonlinear Implementable Control of a Dual Active Bridge Series Resonant Converter. IEEE Transactions on Industrial Electronics, 2022, 69, 5111-5121.	7.9	7
36	Multi-robot Implicit Control of Herds. , 2021, , .		7

#	ARTICLE	IF	CITATIONS
37	Distributed Consensus with Visual Perception in Multi-Robot Systems. , 2015, , .		6
38	A multi-resolution approach for discovery and 3-D modeling of archaeological sites using satellite imagery and a UAV-borne camera. , 2016, , .		6
39	Fast distributed algebraic connectivity estimation in large scale networks. Journal of the Franklin Institute, 2017, 354, 5421-5442.	3.4	6
40	Vision-Based Control for Fast 3-D Reconstruction With an Aerial Robot. IEEE Transactions on Control Systems Technology, 2020, 28, 1189-1202.	5.2	6
41	Distributed Estimation and Control of Node Centrality in Undirected Asymmetric Networks. IEEE Transactions on Automatic Control, 2021, 66, 2304-2311.	5.7	6
42	Distributed Multirobot Path Planning in Unknown Maps Using Petri Net Models. IFAC-PapersOnLine, 2020, 53, 2063-2068.	0.9	6
43	Position-based navigation using multiple homographies. , 2008, , .		5
44	Consensus-based Distributed 3D Pose Estimation with Noisy Relative Measurements. , 2019, , .		5
45	Adaptive Multirobot Implicit Control of Heterogeneous Herds. IEEE Transactions on Robotics, 2022, 38, 3622-3635.	10.3	5
46	Fast pose estimation for visual navigation using homographies. , 2009, , .		4
47	Topological maps based on graphs of planar regions. , 2009, , .		3
48	Distributed Estimation of Node Centrality with Application to Agreement Problems in Social Networks. , 2018, , .		3
49	Distributed Dynamic Sensor Assignment of Multiple Mobile Targets. , 2019, , .		3
50	Multi-robot persistent coverage with optimal times. , 2016, , .		2
51	Localization of a Ground Robot by Aerial Robots for GPS-Deprived Control with Temporal Logic Constraints. Springer Proceedings in Advanced Robotics, 2017, , 525-537.	1.3	2
52	The LEGOPardo Experience: Motivational Control Demonstrations for Cadets [Focus on Education]. IEEE Control Systems, 2014, 34, 78-126.	0.8	1
53	Distributed coverage estimation for multi-robot persistent tasks. , 2015, , .		1
54	Exposing Abstraction-Level Interactions with a Parallel Ray Tracer. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
55	A Multi-robot Cooperative Control Strategy for Non-linear Entrapment Problems. , 2019, , .		0
56	Control inteligente mediante escalado dinámico voltaje-frecuencia (DVFS) de la temperatura en procesadores embebidos. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2021, 18, 396.	1.0	0