Jesus Capitan

List of Publications by Year
in descending order

44 papers	995 citations	623734 14 h-index	477307 29 g-index
46 all docs	46 docs citations	46 times ranked	989 citing authors

#	Article	IF	Citations
1	A multiple-UAV architecture for autonomous media production. Multimedia Tools and Applications, 2023, 82, 1905-1934.	3.9	8
2	From Perception to Navigation in Environments with Persons: An Indoor Evaluation of the State of the Art. Sensors, 2022, 22, 1191.	3.8	4
3	Threat Management Methodology for Unmanned Aerial Systems Operating in the U-Space. IEEE Access, 2022, 10, 70476-70490.	4.2	1
4	Experimental Evaluation of a Team of Multiple Unmanned Aerial Vehicles for Cooperative Construction. IEEE Access, 2021, 9, 6817-6835.	4.2	7
5	Unmanned Aerial Traffic Management System Architecture for U-Space In-Flight Services. Applied Sciences (Switzerland), 2021, 11, 3995.	2.5	13
6	Optimal trajectory planning for cinematography with multiple Unmanned Aerial Vehicles. Robotics and Autonomous Systems, 2021, 140, 103778.	5.1	26
7	A Multi-Layer Software Architecture for Aerial Cognitive Multi-Robot Systems in Power Line Inspection Tasks. , 2021, , .		9
8	Localization System for Lightweight Unmanned Aerial Vehicles in Inspection Tasks. Sensors, 2021, 21, 5937.	3.8	7
9	Autonomous Aerial Filming With Distributed Lighting by a Team of Unmanned Aerial Vehicles. IEEE Robotics and Automation Letters, 2021, 6, 7580-7587.	5.1	23
10	Kinodynamic planning for an energy-efficient autonomous ornithopter. Computers and Industrial Engineering, 2021, 163, 107814.	6.3	2
11	Autonomous fire-fighting with heterogeneous team of unmanned aerial vehicles. , 2021, 1, 158-185.		1
12	Unmanned aerial vehicle abstraction layer: An abstraction layer to operate unmanned aerial vehicles. International Journal of Advanced Robotic Systems, 2020, 17, 172988142092501.	2.1	15
13	Autonomous Execution of Cinematographic Shots With Multiple Drones. IEEE Access, 2020, 8, 201300-201316.	4.2	21
14	Semantic Mapping with Low-Density Point-Clouds for Service Robots in Indoor Environments. Applied Sciences (Switzerland), 2020, 10, 7154.	2.5	2
15	A Dynamic Weighted Area Assignment Based on a Particle Filter for Active Cooperative Perception. IEEE Robotics and Automation Letters, 2020, 5, 736-743.	5.1	9
16	Director Tools for Autonomous Media Production with a Team of Drones. Applied Sciences (Switzerland), 2020, 10, 1494.	2.5	11
17	Autonomous Planning for Multiple Aerial Cinematographers. , 2020, , .		8
18	Optimal Trajectory Planning for Autonomous Drone Cinematography. , 2019, , .		12

#	Article	IF	Citations
19	Risk Assessment based on SORA Methodology for a UAS Media Production Application. , 2019, , .		13
20	A framework to handle threats for UAS operating in the U-space. , 2019, , .		3
21	Alâ€Robotics team: A cooperative multiâ€unmanned aerial vehicle approach for the Mohamed Bin Zayed International Robotic Challenge. Journal of Field Robotics, 2019, 36, 104-124.	6.0	6
22	Decentralized 3D Collision Avoidance for Multiple UAVs in Outdoor Environments. Sensors, 2018, 18, 4101.	3.8	25
23	Decentralized safe conflict resolution for multiple robots in dense scenarios. Robotics and Autonomous Systems, 2017, 91, 179-193.	5.1	19
24	Kassandra : A framework for distributed simulation of heterogeneous cooperating objects. Journal of Systems Architecture, 2017, 73, 28-41.	4.3	2
25	Autonomous Surveillance Robots: A Decision-Making Framework for Networked Muiltiagent Systems. IEEE Robotics and Automation Magazine, 2017, 24, 52-64.	2.0	25
26	Cooperative Decision-Making Under Uncertainties for Multi-Target Surveillance with Multiples UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 371-386.	3.4	58
27	Decision-Theoretic Planning with Person Trajectory Prediction for Social Navigation. Advances in Intelligent Systems and Computing, 2016, , 247-258.	0.6	15
28	An extension of GHMMs for environments with occlusions and automatic goal discovery for person trajectory prediction. , 2015, , .		2
29	A Particle-Filter Approach for Active Perception in Networked Robot Systems. Lecture Notes in Computer Science, 2015, , 451-460.	1.3	1
30	Decentralized cooperation of multiple UAS for multi-target surveillance under uncertainties. , 2014, , .		10
31	On the Cooperation between Mobile Robots and Wireless Sensor Networks. Studies in Computational Intelligence, 2014, , 67-86.	0.9	8
32	Decentralized collision avoidance for large teams of robots. , 2013, , .		7
33	Decentralized multi-robot cooperation with auctioned POMDPs. International Journal of Robotics Research, 2013, 32, 650-671.	8.5	83
34	Decentralized multi-robot cooperation with auctioned POMDPs. , 2012, , .		16
35	Data fusion in ubiquitous networked robot systems for urban services. Annales Des Telecommunications/Annals of Telecommunications, 2012, 67, 355-375.	2.5	9
36	Experimental Results in Multi-UAV Coordination for Disaster Management and Civil Security Applications. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 61, 563-585.	3.4	321

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37	A distributed architecture for a robotic platform with aerial sensor transportation and selfâ€deployment capabilities. Journal of Field Robotics, 2011, 28, 303-328.	6.0	77
38	Decentralized Delayed-State Information Filter (DDSIF): A new approach for cooperative decentralized tracking. Robotics and Autonomous Systems, 2011, 59, 376-388.	5.1	23
39	Decentralized Sensor Fusion for Ubiquitous Networking Robotics in Urban Areas. Sensors, 2010, 10, 2274-2314.	3.8	37
40	Firemen monitoring with multiple UAVs for search and rescue missions. , 2010, , .		16
41	Accurate fusion of robot, camera and wireless sensors for surveillance applications. , 2009, , .		2
42	Delayed-state information filter for cooperative decentralized tracking. , 2009, , .		17
43	Autonomous perception techniques for urban and industrial fire scenarios. , 2007, , .		14
44	Caso prÃ¡ctico para el diseÃ±o de un sistema con mÃºltiples drones para extinciÃ³n de incendios. , 0, , 2267-2282.		0