JoaquÃ-n Ferruz-Melero

List of Publications by Year
in descending order

28 papers	1,009 citations	687363 13 h-index	794594 19 g-index
28 all docs	28 docs citations	28 times ranked	986 citing authors

#	Article	IF	Citations
1	Solving the multi-objective path planning problem in mobile robotics with a firefly-based approach. Soft Computing, 2017, 21, 949-964.	3.6	85
2	Applying the MOVNS (multi-objective variable neighborhood search) algorithm to solve the path planning problem in mobile robotics. Expert Systems With Applications, 2016, 58, 20-35.	7.6	40
3	Cybi: A Smart Companion Robot for Elderly People: Improving Teleoperation and Telepresence Skills by Combining Cloud Computing Technologies and Fuzzy Logic. , 2015, , .		16
4	MOSFLA-MRPP: Multi-Objective Shuffled Frog-Leaping Algorithm applied to Mobile Robot Path Planning. Engineering Applications of Artificial Intelligence, 2015, 44, 123-136.	8.1	57
5	A Comparative Study of Parallel RANSAC Implementations in 3D Space. International Journal of Parallel Programming, 2015, 43, 703-720.	1.5	11
6	A COMPARATIVE STUDY OF SOFTWARE FILTERS APPLIED AS A PREVIOUS STEP OF THE ICP ALGORITHM IN ROBOT LOCATION. Journal of Circuits, Systems and Computers, 2014, 23, 1450118.	1.5	1
7	A comparative study of parallel software SURF implementations. Concurrency Computation Practice and Experience, 2014, 26, 2758-2771.	2.2	4
8	A service robot for monitoring elderly people in the context of Ambient Assisted Living. Journal of Ambient Intelligence and Smart Environments, 2014, 6, 595-621.	1.4	15
9	Reconfigurable Control Architecture for Distributed Systems in the HERO Autonomous Helicopter. IEEE Transactions on Industrial Electronics, 2011, 58, 5311-5318.	7.9	35
10	Describing the environment using semantic labelled polylines from 2D laser scanned raw data: Application to autonomous navigation. , 2010, , .		5
11	B.EN.DE.R. 3.0: Plataforma robÃ³tica remota para aplicaciones docentes. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2010, 7, 54-63.	1.0	0
12	B.EN.DE.R. 2.0: Basic ENvironment for DEveloping Robotic software: Application to educational purposes. , 2009, , .		1
13	Vision-Based Odometry and SLAM for Medium and High Altitude Flying UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 54, 137-161.	3.4	132
14	Unmanned Aerial Vehicle Localization Based on Monocular Vision and Online Mosaicking. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 55, 323-343.	3.4	39
15	Embedded control and development system for the HERO autonomous helicopter. , 2009, , .		2
16	Design of Embedded DSP-Based Fuzzy Controllers for Autonomous Mobile Robots. IEEE Transactions on Industrial Electronics, 2008, 55, 928-936.	7.9	65
17	Multi-UAV Cooperative Perception Techniques. , 2007, , 67-110.		8
18	Homography Based Kalman Filter for Mosaic Building. Applications to UAV position estimation. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	44

#	ARTICLE	IF	CITATIONS
19	A cooperative perception system for multiple UAVs: Application to automatic detection of forest fires. Journal of Field Robotics, 2006, 23, 165-184.	6.0	239
20	Multiple eyes in the skies - Architecture and perception issues in the comets unmanned air vehicles project. IEEE Robotics and Automation Magazine, 2005, 12, 46-57.	2.0	93
21	Embedded fuzzy controllers on standard DSPs. , 2005, , .		4
22	An embedded DSP-based controller for the ROMEO-4R vehicle. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 91-96.	0.4	4
23	Integrated real-time vision system for vehicle control in non-structured environments. Engineering Applications of Artificial Intelligence, 2000, 13, 215-236.	8.1	8
24	Title is missing!. Journal of Intelligent and Robotic Systems: Theory and Applications, 2000, 28, 85-123.	3.4	23
25	Control and perception components for autonomous vehicle guidance. Application to the ROMEO vehicles. Control Engineering Practice, 1999, 7, 1291-1299.	5.5	29
26	Intelligent Components in the ROMEO Vehicles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 107-112.	0.4	1
27	A visual odometer without 3D reconstruction for aerial vehicles. Applications to building inspection. , 0, , .		21
28	Improving vision-based planar motion estimation for unmanned aerial vehicles through online mosaicing. , 0, , .		27