

Javier Gimenez

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

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citations

1163117

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1125743

13
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24
all docs

24
docs citations

24
times ranked

225
citing authors

#	ARTICLE	IF	CITATIONS
1	Motion control for a differential vehicle with variable point of interest. Application: Smart cane control. <i>Robotics and Autonomous Systems</i> , 2022, 154, 104146.	5.1	1
2	Trunk detection in tree crops using RGB-D images for structure-based ICM-SLAM. <i>Computers and Electronics in Agriculture</i> , 2022, 199, 107099.	7.7	3
3	Low-cost Position and Force Measurement System for Payload Transport Using UAVs. <i>International Journal of Automation and Computing</i> , 2021, 18, 594-604.	4.5	1
4	Control for cooperative transport of a bar-shaped payload with rotorcraft UAVs including a landing stage on mobile robots. <i>International Journal of Systems Science</i> , 2020, 51, 3378-3392.	5.5	10
5	Aerial Load Transportation with Multiple Quadrotors Based on a Kinematic Controller and a Neural SMC Dynamic Compensation. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020, 100, 519-530.	3.4	26
6	Continuous Probabilistic SLAM Solved via Iterated Conditional Modes. <i>International Journal of Automation and Computing</i> , 2019, 16, 838-850.	4.5	4
7	UAVs Formation Control With Dynamic Compensation Using Neuro Adaptive SMC. , 2019, , .		10
8	Deep learning-based classification using Cumulants and Bispectrum of EMG signals. <i>IEEE Latin America Transactions</i> , 2019, 17, 1946-1953.	1.6	5
9	Iterated Conditional Modes to Solve Simultaneous Localization and Mapping in Markov Random Fields Context. <i>International Journal of Automation and Computing</i> , 2018, 15, 310-324.	4.5	10
10	Adaptive Visual Servoing Control of a Manipulator with Uncertainties in Vision and Dynamics. , 2018, , .		3
11	Null-space-based path-following control for cooperative payload transport using multiple rotorcraft UAVs. , 2018, , .		11
12	Multi-objective control for cooperative payload transport with rotorcraft UAVs. <i>ISA Transactions</i> , 2018, 80, 491-502.	5.7	41
13	Bounded memory probabilistic mapping of out-of-structure objects in fruit crops environments. <i>Computers and Electronics in Agriculture</i> , 2018, 151, 11-20.	7.7	5
14	Probabilistic mapping in agricultural environments using kernel estimators with recursive subsampling. , 2017, , .		0
15	Port-Hamiltonian modelling of a car-like robot. , 2015, , .		2
16	Port-hamiltonian modelling of a differential drive mobile robot with reference velocities as inputs. , 2015, , .		2
17	A new image segmentation framework based on two-dimensional hidden Markov models. <i>Integrated Computer-Aided Engineering</i> , 2015, 23, 1-13.	4.6	12
18	Human-robot interaction in precision agriculture: Sharing the workspace with service units. , 2015, , .		19

#	ARTICLE	IF	CITATIONS
19	When Data Do Not Bring Information: A Case Study in Markov Random Fields Estimation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 195-203.	4.9	4
20	A New Approach to Segmentation of Multispectral Remote Sensing Images Based on MRF. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1720-1724.	3.1	9
21	Optimization methodology to fruit grove mapping in precision agriculture. Computers and Electronics in Agriculture, 2015, 116, 88-100.	7.7	16
22	Unsupervised edge map scoring: A statistical complexity approach. Computer Vision and Image Understanding, 2014, 122, 131-142.	4.7	13
23	A New Approach to Image Segmentation with Two-Dimensional Hidden Markov Models. , 2013, , .		5
24	Inference strategies for the smoothness parameter in the Potts model. , 2013, , .		6