Javier Gimenez

List of Publications by Year
in descending order

24 papers	218 citations	1163117 8 h-index	1125743 13 g-index
24 all docs	24 docs citations	24 times ranked	225 citing authors

#	Article	IF	Citations
1	Multi-objective control for cooperative payload transport with rotorcraft UAVs. ISA Transactions, 2018, 80, 491-502.	5.7	41
2	Aerial Load Transportation with Multiple Quadrotors Based on a Kinematic Controller and a Neural SMC Dynamic Compensation. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 100, 519-530.	3.4	26
3	Human-robot interaction in precision agriculture: Sharing the workspace with service units. , 2015, , .		19
4	Optimization methodology to fruit grove mapping in precision agriculture. Computers and Electronics in Agriculture, 2015, 116, 88-100.	7.7	16
5	Unsupervised edge map scoring: A statistical complexity approach. Computer Vision and Image Understanding, 2014, 122, 131-142.	4.7	13
6	A new image segmentation framework based on two-dimensional hidden Markov models. Integrated Computer-Aided Engineering, 2015, 23, 1-13.	4.6	12
7	Null-space-based path-following control for cooperative payload transport using multiple rotorcraft UAVs. , 2018, , .		11
8	Iterated Conditional Modes to Solve Simultaneous Localization and Mapping in Markov Random Fields Context. International Journal of Automation and Computing, 2018, 15, 310-324.	4.5	10
9	UAVs Formation Control With Dynamic Compensation Using Neuro Adaptive SMC. , 2019, , .		10
10	Control for cooperative transport of a bar-shaped payload with rotorcraft UAVs including a landing stage on mobile robots. International Journal of Systems Science, 2020, 51, 3378-3392.	5.5	10
11	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
12	Inference strategies for the smoothness parameter in the Potts model. , 2013, , .		6
13	A New Approach to Image Segmentation with Two-Dimensional Hidden Markov Models. , 2013, , .		5
14	Bounded memory probabilistic mapping of out-of-structure objects in fruit crops environments. Computers and Electronics in Agriculture, 2018, 151, 11-20.	7.7	5
15	Deep learning-based classification using Cumulants and Bispectrum of EMG signals. IEEE Latin America Transactions, 2019, 17, 1946-1953.	1.6	5
16	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
17	Continuous Probabilistic SLAM Solved via Iterated Conditional Modes. International Journal of Automation and Computing, 2019, 16, 838-850.	4.5	4
18	Adaptive Visual Servoing Control of a Manipulator with Uncertainties in Vision and Dynamics. , 2018, , .		3

#	Article	IF	Citations
19	Trunk detection in tree crops using RGB-D images for structure-based ICM-SLAM. Computers and Electronics in Agriculture, 2022, 199, 107099.	7.7	3
20	Port-Hamiltonian modelling of a car-like robot. , 2015, , .		2
21	Port-hamiltonian modelling of a differential drive mobile robot with reference velocities as inputs. , 2015, , .		2
22	Low-cost Position and Force Measurement System for Payload Transport Using UAVs. International Journal of Automation and Computing, 2021, 18, 594-604.	4.5	1
23	Motion control for a differential vehicle with variable point of interest. Application: Smart cane control. Robotics and Autonomous Systems, 2022, 154, 104146.	5.1	1
24	Probabilistic mapping in agricultural environments using kernel estimators with recursive subsampling. , 2017, , .		0