

Pedro Santana

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

232
citations

1163117

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1058476

14
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24
all docs

24
docs citations

24
times ranked

183
citing authors

#	ARTICLE	IF	CITATIONS
1	A Vision-Based Approach to Fire Detection. International Journal of Advanced Robotic Systems, 2014, 11, 149.	2.1	33
2	Tracking natural trails with swarm-based visual saliency. Journal of Field Robotics, 2013, 30, 64-86.	6.0	23
3	A Study on the Use of Eye Tracking to Adapt Gameplay and Procedural Content Generation in First-Person Shooter Games. Multimodal Technologies and Interaction, 2018, 2, 23.	2.5	22
4	Stereo-based all-terrain obstacle detection using visual saliency. Journal of Field Robotics, 2011, 28, 241-263.	6.0	21
5	Air quality mapping and visualisation: An affordable solution based on a vehicle-mounted sensor network. Journal of Cleaner Production, 2021, 315, 128194.	9.3	15
6	A vision-based system for early fire detection. , 2012, , .		13
7	On Exploiting Haptic Cues for Self-Supervised Learning of Depth-Based Robot Navigation Affordances. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 80, 455-474.	3.4	13
8	Monocular Trail Detection and Tracking Aided by Visual SLAM for Small Unmanned Aerial Vehicles. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 97, 531-551.	3.4	9
9	Swarm cognition on off-road autonomous robots. Swarm Intelligence, 2011, 5, 45-72.	2.2	8
10	Automatic detection of Acacia longifolia invasive species based on UAV-acquired aerial imagery. Information Processing in Agriculture, 2022, 9, 276-287.	4.1	8
11	Game-Like 3D Visualisation of Air Quality Data. Multimodal Technologies and Interaction, 2020, 4, 54.	2.5	7
12	The Ares Robot: Case Study of an Affordable Service Robot. , 2008, , 33-42.		7
13	A saliency-based approach to boost trail detection. , 2010, , .		6
14	Saliency-based cooperative landing of a multirotor aerial vehicle on an autonomous surface vehicle. , 2014, , .		6
15	Neural-swarm visual saliency for path following. Applied Soft Computing Journal, 2013, 13, 3021-3032.	7.2	5
16	Online self-reconfigurable robot navigation in heterogeneous environments. , 2013, , .		5
17	On the role of stigmergy in cognition. Progress in Artificial Intelligence, 2017, 6, 79-86.	2.4	5
18	Saliency-Based Obstacle Detection and Ground-Plane Estimation for Off-Road Vehicles. Lecture Notes in Computer Science, 2009, , 275-284.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Self-supervised learning of depth-based navigation affordances from haptic cues. , 2014, , .		4
20	Predicting Affordances from Gist. Lecture Notes in Computer Science, 2010, , 325-334.	1.3	3
21	On Collaborative Aerial and Surface Robots for Environmental Monitoring of Water Bodies. IFIP Advances in Information and Communication Technology, 2013, , 183-191.	0.7	3
22	Visual attention and swarm cognition towards fast and robust off-road robots. , 2011, , .		1
23	A Graphical Tool for Eliciting Knowledge of Air Pollution Sources. , 2021, , .		1