Pedro Santana

List of Publications by Year
in descending order

23 papers	232 citations	1163117 8 h-index	1058476 14 g-index
24 all docs	24 docs citations	24 times ranked	183 citing authors

#	Article	IF	Citations
1	Automatic detection of Acacia longifolia invasive species based on UAV-acquired aerial imagery. Information Processing in Agriculture, 2022, 9, 276-287.	4.1	8
2	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
3	A Graphical Tool for Eliciting Knowledge of Air Pollution Sources. , 2021, , .		1
4	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
5	Game-Like 3D Visualisation of Air Quality Data. Multimodal Technologies and Interaction, 2020, 4, 54.	2.5	7
6	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
7	On the role of stigmergy in cognition. Progress in Artificial Intelligence, 2017, 6, 79-86.	2.4	5
8	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
9	Saliency-based cooperative landing of a multirotor aerial vehicle on an autonomous surface vehicle. , 2014, , .		6
10	Self-supervised learning of depth-based navigation affordances from haptic cues. , 2014, , .		4
11	A Vision-Based Approach to Fire Detection. International Journal of Advanced Robotic Systems, 2014, 11, 149.	2.1	33
12	Tracking natural trails with swarm‐based visual saliency. Journal of Field Robotics, 2013, 30, 64-86.	6.0	23
13	Neural-swarm visual saliency for path following. Applied Soft Computing Journal, 2013, 13, 3021-3032.	7.2	5
14	Online self-reconfigurable robot navigation in heterogeneous environments. , 2013, , .		5
15	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
16	A vision-based system for early fire detection. , 2012, , .		13
17	Swarm cognition on off-road autonomous robots. Swarm Intelligence, 2011, 5, 45-72.	2.2	8
18	Stereo‐based all‐terrain obstacle detection using visual saliency. Journal of Field Robotics, 2011, 28, 241-263.	6.0	21

#	Article	IF	Citations
19	Visual attention and swarm cognition towards fast and robust off-road robots. , 2011, , .		1
20	A saliency-based approach to boost trail detection. , 2010, , .		6
21	Predicting Affordances from Gist. Lecture Notes in Computer Science, 2010, , 325-334.	1.3	3
22	Saliency-Based Obstacle Detection and Ground-Plane Estimation for Off-Road Vehicles. Lecture Notes in Computer Science, 2009, , 275-284.	1.3	5
23	The Ares Robot: Case Study of an Affordable Service Robot. , 2008, , 33-42.		7