

Ulises Orozco-Rosas

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

808
citations

1478505

6
h-index

888059

17
g-index

29
all docs

29
docs citations

29
times ranked

678
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary correlation filtering based on pseudo-bacterial genetic algorithm for pose estimation of highly occluded targets. Multimedia Tools and Applications, 2021, 80, 23051-23072.	3.9	1
2	Evaluation Method of Deep Learning-Based Embedded Systems for Traffic Sign Detection. IEEE Access, 2021, 9, 101217-101238.	4.2	24
3	Autonomous object manipulation and transportation using a mobile service robot equipped with an RGB-D and LiDAR sensor. , 2021, , .		1
4	Simultaneous localization and mapping using an RGB-D camera for autonomous mobile robot navigation. , 2021, , .		2
5	Evaluation of Deep Learning Algorithms for Traffic Sign Detection to Implement on Embedded Systems. Studies in Computational Intelligence, 2021, , 95-115.	0.9	1
6	Environment Recognition for Path Generation in Autonomous Mobile Robots. Studies in Computational Intelligence, 2020, , 273-288.	0.9	2
7	Acceleration of Path Planning Computation Based on Evolutionary Artificial Potential Field for Non-static Environments. Studies in Computational Intelligence, 2020, , 271-297.	0.9	3
8	Autonomous navigation for a holonomic drive robot in an unknown environment using a depth camera. , 2020, , .		4
9	Analysis of three-dimensional object reconstruction algorithms based on multi-camera arrays. , 2020, , .		0
10	Mapping and navigation in an unknown environment using LiDAR for mobile service robots. , 2020, , .		1
11	Hybrid Path Planning Algorithm Based on Membrane Pseudo-Bacterial Potential Field for Autonomous Mobile Robots. IEEE Access, 2019, 7, 156787-156803.	4.2	82
12	Mobile robot path planning using membrane evolutionary artificial potential field. Applied Soft Computing Journal, 2019, 77, 236-251.	7.2	268
13	Demonstrating the robustness of frequency-domain correlation filters for 3D object recognition applications. , 2019, , .		1
14	Autonomous navigation for a differential drive robot in a partially known environment. , 2019, , .		0
15	Handwritten hiragana classifier with minimal training data utilizing convolutional neural networks. , 2019, , .		2
16	Evaluation of algorithms for traffic sign detection. , 2019, , .		4
17	Path Following Fuzzy System for a Nonholonomic Mobile Robot Based on Frontal Camera Information. Studies in Computational Intelligence, 2018, , 223-240.	0.9	4
18	Pose Estimation in Noncontinuous Video Sequences Using Evolutionary Correlation Filtering. Mathematical Problems in Engineering, 2018, 2018, 1-13.	1.1	3

#	ARTICLE	IF	CITATIONS
19	An Optimized GPU Implementation for a Path Planning Algorithm Based on Parallel Pseudo-bacterial Potential Field. Studies in Computational Intelligence, 2017, , 477-492.	0.9	1
20	Visual environment recognition for robot path planning using template matched filters. , 2017, , .		1
21	Obstacle recognition for path planning in autonomous mobile robots. , 2016, , .		3
22	Pseudo-Bacterial Potential Field Based Path Planner for Autonomous Mobile Robot Navigation. International Journal of Advanced Robotic Systems, 2015, 12, 81.	2.1	28
23	Optimal Path Planning Generation for Mobile Robots using Parallel Evolutionary Artificial Potential Field. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 79, 237-257.	3.4	98
24	Path planning for mobile robots using Bacterial Potential Field for avoiding static and dynamic obstacles. Expert Systems With Applications, 2015, 42, 5177-5191.	7.6	265
25	Geo-Navigation for a Mobile Robot and Obstacle Avoidance Using Fuzzy Controllers. Studies in Computational Intelligence, 2014, , 647-669.	0.9	3