

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	Mobile robot path planning using membrane evolutionary artificial potential field. Applied Soft Computing Journal, 2019, 77, 236-251.	7.2	268
2	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
3	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
4	Hybrid Path Planning Algorithm Based on Membrane Pseudo-Bacterial Potential Field for Autonomous Mobile Robots. IEEE Access, 2019, 7, 156787-156803.	4.2	82
5	Pseudo-Bacterial Potential Field Based Path Planner for Autonomous Mobile Robot Navigation. International Journal of Advanced Robotic Systems, 2015, 12, 81.	2.1	28
6	Evaluation Method of Deep Learning-Based Embedded Systems for Traffic Sign Detection. IEEE Access, 2021, 9, 101217-101238.	4.2	24
7	Path Following Fuzzy System for a Nonholonomic Mobile Robot Based on Frontal Camera Information. Studies in Computational Intelligence, 2018, , 223-240.	0.9	4
8	Autonomous navigation for a holonomic drive robot in an unknown environment using a depth camera. , 2020, , .		4
9	Evaluation of algorithms for traffic sign detection. , 2019, , .		4
10	Obstacle recognition for path planning in autonomous mobile robots. , 2016, , .		3
11	Pose Estimation in Noncontinuous Video Sequences Using Evolutionary Correlation Filtering. Mathematical Problems in Engineering, 2018, 2018, 1-13.	1.1	3
12	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
13	Geo-Navigation for a Mobile Robot and Obstacle Avoidance Using Fuzzy Controllers. Studies in Computational Intelligence, 2014, , 647-669.	0.9	3
14	Simultaneous localization and mapping using an RGB-D camera for autonomous mobile robot navigation. , 2021, , .		2
15	Environment Recognition for Path Generation in Autonomous Mobile Robots. Studies in Computational Intelligence, 2020, , 273-288.	0.9	2
16	Handwritten hiragana classifier with minimal training data utilizing convolutional neural networks. , 2019, , .		2
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Autonomous object manipulation and transportation using a mobile service robot equipped with an RGB-D and LiDAR sensor. , 2021, , .		1
20	Visual environment recognition for robot path planning using template matched filters. , 2017, , .		1
21	Demonstrating the robustness of frequency-domain correlation filters for 3D object recognition applications. , 2019, , .		1
22	Mapping and navigation in an unknown environment using LiDAR for mobile service robots. , 2020, , .		1
23	Evaluation of Deep Learning Algorithms for Traffic Sign Detection to Implement on Embedded Systems. Studies in Computational Intelligence, 2021, , 95-115.	0.9	1
24	Autonomous navigation for a differential drive robot in a partially known environment. , 2019, , .		0
25	Analysis of three-dimensional object reconstruction algorithms based on multi-camera arrays. , 2020, , .		0