

Valdir Grassi Jr

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

520
citations

1163117

8
h-index

1058476

14
g-index

47
all docs

47
docs citations

47
times ranked

498
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating Human Inputs with Autonomous Behaviors on an Intelligent Wheelchair Platform. IEEE Intelligent Systems, 2007, 22, 33-41.	4.0	90
2	CaRINA Intelligent Robotic Car: Architectural design and applications. Journal of Systems Architecture, 2014, 60, 372-392.	4.3	69
3	Usability Study of a Control Framework for an Intelligent Wheelchair. , 0, , .		39
4	Robust path-following control for articulated heavy-duty vehicles. Control Engineering Practice, 2019, 85, 246-256.	5.5	34
5	Real-time deep learning approach to visual servo control and grasp detection for autonomous robotic manipulation. Robotics and Autonomous Systems, 2021, 139, 103757.	5.1	33
6	Fast visual road recognition and horizon detection using multiple artificial neural networks. , 2012, , .		32
7	Longitudinal and lateral control for autonomous ground vehicles. , 2014, , .		30
8	Vision-based robust control framework based on deep reinforcement learning applied to autonomous ground vehicles. Control Engineering Practice, 2020, 104, 104630.	5.5	29
9	Clothoid-Based Global Path Planning for Autonomous Vehicles in Urban Scenarios. , 2018, , .		20
10	On deep learning techniques to boost monocular depth estimation for autonomous navigation. Robotics and Autonomous Systems, 2021, 136, 103701.	5.1	20
11	Path planning at roundabouts using piecewise linear continuous curvature curves. , 2017, , .		15
12	Development of an Autonomous Robot for Gas Storage Spheres Inspection. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 66, 23-35.	3.4	11
13	Sparse-to-Continuous: Enhancing Monocular Depth Estimation using Occupancy Maps. , 2019, , .		11
14	An effective combination of loss gradients for multi-task learning applied on instance segmentation and depth estimation. Engineering Applications of Artificial Intelligence, 2021, 100, 104205.	8.1	10
15	Autonomous Vehicle Navigation in Semi-Structured Urban Environment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 42-47.	0.4	7
16	Autonomous Path Planning of Free-Floating Manipulators Using RRT-Based Algorithms. , 2015, , .		7
17	Sparse Road Network Model for Autonomous Navigation Using Clothoids. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 885-898.	8.0	7
18	Trajectory Planning for a Dual-Arm Planar Free-Floating Manipulator using RRTControl. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
19	Robust path-following control design of heavy vehicles based on multiobjective evolutionary optimization. Expert Systems With Applications, 2022, 192, 116304.	7.6	6
20	Kinodynamic Motion Planning of a Skid-Steering Mobile Robot Using RRTs. , 2010, , .		5
21	Robust Discrete-Time Markovian Control for Wheeled Mobile Robot Formation: A Fault Tolerant Approach. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 91, 233-247.	3.4	5
22	Learning to Race Through Coordinate Descent Bayesian Optimisation. , 2018, , .		5
23	Eco-cruise NMPC Control for Autonomous Vehicles. , 2019, , .		5
24	Robust State-Space Estimation for Mobile Robot Localization. , 2008, , .		4
25	LQR and H-Infinity Controls of a Free-Floating Space Manipulator with Two Arms. , 2016, , .		3
26	Model Predictive Control of a Heavy-Duty Truck Based on Gaussian Process. , 2016, , .		3
27	A stereo cameras setup for pedestrian detection enhancement. , 2017, , .		2
28	Pedestrian Trajectory Prediction with Pose Representation and Latent Space Variables. , 2021, , .		2
29	Formation Control with Leadership Alternation for Obstacle Avoidance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1090-1095.	0.4	1
30	Improving RRT's Efficiency through Motion Primitives Generation Optimization. , 2014, , .		1
31	Wheeled Mobile Robot Formation Using Recursive Robust Regulator with Discrete-Time Markov Linear System. , 2016, , .		1
32	Obstacle avoidance using stereo-based generic obstacle tracking. , 2017, , .		1
33	Employing a fully convolutional neural network for road marking detection. , 2017, , .		1
34	Fast Convolutional Neural Network for Real-Time Robotic Grasp Detection. , 2019, , .		1
35	Continuous Deep Maximum Entropy Inverse Reinforcement Learning using online POMDP. , 2019, , .		1
36	Lateral Control Based on Clothoids Curves for Heavy Category Ground Vehicles. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	Path Planning with Collision Avoidance for Free-Floating Manipulators: A RRT-Based Approach. Communications in Computer and Information Science, 2016, , 103-119.	0.5	0
38	Robust recursive lateral control for autonomous vehicles subject to parametric uncertainties. , 2017, , .		0
39	Detec�o de vagas e estacionamento aut�omo de ve�culos. , 0, , .		0
40	Depth Completion with Morphological Operations: An Intermediate Approach to Enhance Monocular Depth Estimation. , 2020, , .		0
41	A Survey on the Aspects of Human-Robot Interaction in Autonomous Vehicles. , 2020, , .		0
42	Addressing Lane Keeping and Intersections using Deep Conditional Reinforcement Learning. , 2021, , .		0
43	Deep Depth Completion of Low-cost Sensor Indoor RGB-D using Euclidean Distance-based Weighted Loss and Edge-aware Refinement. , 2022, , .		0
44	Decision Making for Autonomous Vehicles at Signalized Intersection under Uncertain Traffic Signal Phase and Timing Information. , 2021, , .		0