

Valdir Grassi Jr

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

520
citations

1163117

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1058476

14
g-index

47
all docs

47
docs citations

47
times ranked

498
citing authors

#	ARTICLE	IF	CITATIONS
1	Sparse Road Network Model for Autonomous Navigation Using Clothoids. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 885-898.	8.0	7
2	Robust path-following control design of heavy vehicles based on multiobjective evolutionary optimization. Expert Systems With Applications, 2022, 192, 116304.	7.6	6
3	Deep Depth Completion of Low-cost Sensor Indoor RGB-D using Euclidean Distance-based Weighted Loss and Edge-aware Refinement. , 2022, , .		0
4	On deep learning techniques to boost monocular depth estimation for autonomous navigation. Robotics and Autonomous Systems, 2021, 136, 103701.	5.1	20
5	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
6	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
7	Pedestrian Trajectory Prediction with Pose Representation and Latent Space Variables. , 2021, , .		2
8	Addressing Lane Keeping and Intersections using Deep Conditional Reinforcement Learning. , 2021, , .		0
9	Decision Making for Autonomous Vehicles at Signalized Intersection under Uncertain Traffic Signal Phase and Timing Information. , 2021, , .		0
10	Vision-based robust control framework based on deep reinforcement learning applied to autonomous ground vehicles. Control Engineering Practice, 2020, 104, 104630.	5.5	29
11	Depth Completion with Morphological Operations: An Intermediate Approach to Enhance Monocular Depth Estimation. , 2020, , .		0
12	A Survey on the Aspects of Human-Robot Interaction in Autonomous Vehicles. , 2020, , .		0
13	Robust path-following control for articulated heavy-duty vehicles. Control Engineering Practice, 2019, 85, 246-256.	5.5	34
14	Trajectory Planning for a Dual-Arm Planar Free-Floating Manipulator using RRTControl. , 2019, , .		6
15	Eco-cruise NMPC Control for Autonomous Vehicles. , 2019, , .		5
16	Fast Convolutional Neural Network for Real-Time Robotic Grasp Detection. , 2019, , .		1
17	Sparse-to-Continuous: Enhancing Monocular Depth Estimation using Occupancy Maps. , 2019, , .		11
18	Continuous Deep Maximum Entropy Inverse Reinforcement Learning using online POMDP. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	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
20	Clothoid-Based Global Path Planning for Autonomous Vehicles in Urban Scenarios. , 2018, , .		20
21	Learning to Race Through Coordinate Descent Bayesian Optimisation. , 2018, , .		5
22	A stereo cameras setup for pedestrian detection enhancement. , 2017, , .		2
23	Obstacle avoidance using stereo-based generic obstacle tracking. , 2017, , .		1
24	Path planning at roundabouts using piecewise linear continuous curvature curves. , 2017, , .		15
25	Employing a fully convolutional neural network for road marking detection. , 2017, , .		1
26	Robust recursive lateral control for autonomous vehicles subject to parametric uncertainties. , 2017, , .		0
27	LQR and H-Infinity Controls of a Free-Floating Space Manipulator with Two Arms. , 2016, , .		3
28	Model Predictive Control of a Heavy-Duty Truck Based on Gaussian Process. , 2016, , .		3
29	Wheeled Mobile Robot Formation Using Recursive Robust Regulator with Discrete-Time Markov Linear System. , 2016, , .		1
30	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
31	Autonomous Path Planning of Free-Floating Manipulators Using RRT-Based Algorithms. , 2015, , .		7
32	Lateral Control Based on Clothoids Curves for Heavy Category Ground Vehicles. , 2015, , .		0
33	Improving RRT's Efficiency through Motion Primitives Generation Optimization. , 2014, , .		1
34	CaRINA Intelligent Robotic Car: Architectural design and applications. Journal of Systems Architecture, 2014, 60, 372-392.	4.3	69
35	Longitudinal and lateral control for autonomous ground vehicles. , 2014, , .		30
36	Autonomous Vehicle Navigation in Semi-Structured Urban Environment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 42-47.	0.4	7

#	ARTICLE	IF	CITATIONS
37	Fast visual road recognition and horizon detection using multiple artificial neural networks. , 2012, , .		32
38	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
39	Formation Control with Leadership Alternation for Obstacle Avoidance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1090-1095.	0.4	1
40	Kinodynamic Motion Planning of a Skid-Steering Mobile Robot Using RRTs. , 2010, , .		5
41	Robust State-Space Estimation for Mobile Robot Localization. , 2008, , .		4
42	Integrating Human Inputs with Autonomous Behaviors on an Intelligent Wheelchair Platform. IEEE Intelligent Systems, 2007, 22, 33-41.	4.0	90
43	Usability Study of a Control Framework for an Intelligent Wheelchair. , 0, , .		39
44	Deteco de vagas e estacionamento autnomo de veculos. , 0, , .		0