Jorge Godoy

List of Publications by Year in descending order

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Version: 2024-02-01

37 papers	1,038 citations	687363 13 h-index	580821 25 g-index
38 all docs	38 docs citations	38 times ranked	969 citing authors

#	Article	IF	Citations
1	Jerk-Limited Time-Optimal Speed Planning for Arbitrary Paths. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8194-8208.	8.0	15
2	A Grid-Based Framework for Collective Perception in Autonomous Vehicles. Sensors, 2021, 21, 744.	3.8	20
3	Interaction-Aware Intention Estimation at Roundabouts. IEEE Access, 2021, 9, 123088-123102.	4.2	10
4	Merit-Based Motion Planning for Autonomous Vehicles in Urban Scenarios. Sensors, 2021, 21, 3755.	3.8	10
5	Ground Segmentation Algorithm for Sloped Terrain and Sparse LiDAR Point Cloud. IEEE Access, 2021, 9, 132914-132927.	4.2	12
6	Motion Planning Approach Considering Localization Uncertainty. IEEE Transactions on Vehicular Technology, 2020, 69, 5983-5994.	6.3	26
7	Reachability Estimation in Dynamic Driving Scenes for Autonomous Vehicles. , 2020, , .		8
8	Machine learning based motion planning approach for intelligent vehicles. , 2020, , .		2
9	Self-Generated OSM-Based Driving Corridors. IEEE Access, 2019, 7, 20113-20125.	4.2	22
10	Real-Time Motion Planning Approach for Automated Driving in Urban Environments. IEEE Access, 2019, 7, 180039-180053.	4.2	39
11	Automated Driving. , 2018, , 275-342.		4
12	Smart Sensing of Pavement Temperature Based on Low-Cost Sensors and V2I Communications. Sensors, 2018, 18, 2092.	3.8	14
13	A Primitive Comparison for Traffic-Free Path Planning. IEEE Access, 2018, 6, 28801-28817.	4.2	24
14	Smooth path planning for urban autonomous driving using OpenStreetMaps. , 2017, , .		7
15	Wireless Monitoring of Pavement Temperature Based on Low Cost Computing Platform. Proceedings (mdpi), 2017, 2, .	0.2	1
16	Advanced Co-simulation Framework for Cooperative Maneuvers Among Vehicles. , 2015, , .		3
17	A DRIVERLESS VEHICLE DEMONSTRATION ON MOTORWAYS AND IN URBAN ENVIRONMENTS. Transport, 2015, 30, 253-263.	1.2	29
18	An auxiliary V2I network for road transport and dynamic environments. Transportation Research Part C: Emerging Technologies, 2013, 37, 145-156.	7.6	13

#	Article	IF	Citations
19	Trajectory generator for autonomous vehicles in urban environments. , 2013, , .		43
20	Virtual Vehicle Approach for Longitudinal Control in Urban Environments. Lecture Notes in Computer Science, 2013, , 25-32.	1.3	1
21	A Reinforcement Learning Modular Control Architecture for Fully Automated Vehicles. Lecture Notes in Computer Science, 2012, , 390-397.	1.3	3
22	Traffic jam driving with NMV avoidance. Mechanical Systems and Signal Processing, 2012, 31, 332-344.	8.0	8
23	Comparing Fuzzy and Intelligent PI Controllers in Stop-and-Go Manoeuvres. IEEE Transactions on Control Systems Technology, 2012, 20, 770-778.	5.2	62
24	A fuzzy aid rear-end collision warning/avoidance system. Expert Systems With Applications, 2012, 39, 9097-9107.	7.6	83
25	Smooth path and speed planning for an automated public transport vehicle. Robotics and Autonomous Systems, 2012, 60, 252-265.	5.1	105
26	An Intelligent V2I-Based Traffic Management System. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 49-58.	8.0	157
27	Study of Traffic Flow Controlled with Independent Agent-Based Traffic Signals. Lecture Notes in Computer Science, 2012, , 382-389.	1.3	0
28	Traffic Light Intelligent Regulation Using Infrastructure Located Sensors. Lecture Notes in Computer Science, 2012, , 398-403.	1.3	2
29	Precise Vehicle Cruise Control System Based on On-Line Fuzzy Control Learning. Communications in Computer and Information Science, 2012, , 101-110.	0.5	0
30	AUTOPIA Program Advances: How to Automate the Traffic?. Lecture Notes in Computer Science, 2012, , 374-381.	1.3	3
31	An approach to driverless vehicles in highways. , 2011, , .		5
32	Automated On-Ramp Merging System for Congested Traffic Situations. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 500-508.	8.0	201
33	Power electric aiding controller for automated bus stopping. , 2011, , .		3
34	Low Speed Control of an Autonomous Vehicle by Using a Fractional PI Controller. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 15025-15030.	0.4	14
35	Longitudinal fuzzy control for autonomous overtaking. , 2011, , .		33
36	Ultrasonic Sensors in Urban Traffic Driving-Aid Systems. Sensors, 2011, 11, 661-673.	3.8	37

#	Article	IF	Citations
37	Modularity, adaptability and evolution in the AUTOPIA architecture for control of autonomous vehicles. , 2009, , .		19