Antonio ArtuÃ±edo

List of Publications by Year
in descending order

22 papers	265 citations	933447 10 h-index	1199594 12 g-index
24 all docs	24 docs citations	24 times ranked	196 citing authors

#	Article	IF	Citations
1	Obstacle Recognition Based on Machine Learning for On-Chip LiDAR Sensors in a Cyber-Physical System. Sensors, 2017, 17, 2109.	3.8	41
2	Real-Time Motion Planning Approach for Automated Driving in Urban Environments. IEEE Access, 2019, 7, 180039-180053.	4.2	39
3	Motion Planning Approach Considering Localization Uncertainty. IEEE Transactions on Vehicular Technology, 2020, 69, 5983-5994.	6.3	26
4	A Primitive Comparison for Traffic-Free Path Planning. IEEE Access, 2018, 6, 28801-28817.	4.2	24
5	Self-Generated OSM-Based Driving Corridors. IEEE Access, 2019, 7, 20113-20125.	4.2	22
6	A Grid-Based Framework for Collective Perception in Autonomous Vehicles. Sensors, 2021, 21, 744.	3.8	20
7	Jerk-Limited Time-Optimal Speed Planning for Arbitrary Paths. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8194-8208.	8.0	15
8	Ground Segmentation Algorithm for Sloped Terrain and Sparse LiDAR Point Cloud. IEEE Access, 2021, 9, 132914-132927.	4.2	12
9	Consensus-Based Cooperative Control Based on Pollution Sensing and Traffic Information for Urban Traffic Networks. Sensors, 2017, 17, 953.	3.8	11
10	A decision-making architecture for automated driving without detailed prior maps. , 2019, , .		10
11	Interaction-Aware Intention Estimation at Roundabouts. IEEE Access, 2021, 9, 123088-123102.	4.2	10
12	Merit-Based Motion Planning for Autonomous Vehicles in Urban Scenarios. Sensors, 2021, 21, 3755.	3.8	10
13	Reachability Estimation in Dynamic Driving Scenes for Autonomous Vehicles. , 2020, , .		8
14	Smooth path planning for urban autonomous driving using OpenStreetMaps. , 2017, , .		7
15	Automated Driving. , 2018, , 275-342.		4
16	Advanced Co-simulation Framework for Cooperative Maneuvers Among Vehicles. , 2015, , .		3
17	Machine learning based motion planning approach for intelligent vehicles. , 2020, , .		2
18	Consensus-Based Cooperative Control Approach Applied to Urban Traffic Networks. Proceedings (mdpi), 2016, 1, .	0.2	0

#	Article	IF	Citations
19	Global Planning and Mapping. Springer Theses, 2020, , 39-68.	0.1	0
20	Optimal Trajectory Generation. Springer Theses, 2020, , 91-151.	0.1	0
21	Literature Overview. Springer Theses, 2020, , 9-27.	0.1	0
22	Integration and Demonstrations. Springer Theses, 2020, , 153-187.	0.1	0