Tongtong Chen

List of Publications by Year
in descending order

17	242	2258059	2272923
papers	citations	3	4
		h-index	g-index

17	17	17	259
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gaussian-Process-Based Real-Time Ground Segmentation for Autonomous Land Vehicles. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 76, 563-582.	3.4	96
2	Likelihood-Field-Model-Based Dynamic Vehicle Detection and Tracking for Self-Driving. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 3142-3158.	8.0	50
3	Velodyne-based curb detection up to 50 meters away. , 2015, , .		27
4	LIDAR-based Long Range Road Intersection Detection. , 2011, , .		21
5	Vehicle detection and tracking with 2D laser range finders. , 2013, , .		9
6	Gaussian process regression-based robust free space detection for autonomous vehicle by 3-D point cloud and 2-D appearance information fusion. International Journal of Advanced Robotic Systems, 2017, 14, 172988141771705.	2.1	9
7	Camera and lidar fusion for road intersection detection. , 2012, , .		6
8	Local Path Planning for Autonomous Land Vehicle Based on Navigation Function. , 2011, , .		5
9	Curb Detection Using 2D Range Data in a Campus Environment. , 2013, , .		5
10	Sparse Gaussian process regression based ground segmentation for autonomous land vehicles. , 2015, , .		5
11	Likelihood-Field-Model-Based Dynamic Vehicle Detection with Velodyne. , 2015, , .		3
12	Lateral Control for Autonomous Parking System with Fractional Order Controller. Journal of Software, 2011, 6, .	0.6	3
13	Prediction of unintended lane departure based on detection of lane boundary. , 2011, , .		2
14	Likelihood-field-model-based vehicle tracking with Velodyne. , 2015, , .		1
15	Integrating topological map for autonomous navigation in unstructured environments. , 2011, , .		0
16	3D LIDAR-based ground segmentation with l_1 regularization. , 2014, , .		0
17	Road marking detection based on structured learning. , 2016, , .		0