Alireza Asvadi

List of Publications by Year
in descending order

19 papers	**574** citations	1307366 **7** h-index	1474057 **9** g-index
19 all docs	**19** docs citations	**19** times ranked	**643** citing authors

#	Article	IF	Citations
1	3D Lidar-based static and moving obstacle detection in driving environments: An approach based on voxels and multi-region ground planes. Robotics and Autonomous Systems, 2016, 83, 299-311.	3.0	181
2	Multimodal vehicle detection: fusing 3D-LIDAR and color camera data. Pattern Recognition Letters, 2018, 115, 20-29.	2.6	148
3	DepthCN: Vehicle detection using 3D-LIDAR and ConvNet. , 2017, , .		53
4	3D object tracking using RGB and LIDAR data. , 2016, , .		48
5	High-resolution LIDAR-based depth mapping using bilateral filter. , 2016, , .		43
6	Detection and Tracking of Moving Objects Using 2.5D Motion Grids. , 2015, , .		33
7	Improved Object Tracking Using Radial Basis Function Neural Networks. , 2011, , .		10
8	Human gait pattern changes detection system: A multimodal vision-based and novelty detection learning approach. Biocybernetics and Biomedical Engineering, 2017, 37, 701-717.	3.3	9
9	Incremental Discriminative Color Object Tracking. Communications in Computer and Information Science, 2014, , 71-81.	0.4	8
10	Real-Time Deep ConvNet-Based Vehicle Detection Using 3D-LIDAR Reflection Intensity Data. Advances in Intelligent Systems and Computing, 2018, , 475-486.	0.5	8
11	RGB-D Object Classification for Autonomous Driving Perception. Advances in Computer Vision and Pattern Recognition, 2019, , 377-395.	0.9	8
12	Two-Stage Static/Dynamic Environment Modeling Using Voxel Representation. Advances in Intelligent Systems and Computing, 2016, , 465-476.	0.5	7
13	CNN-LIDAR pedestrian classification: combining range and reflectance data. , 2018, , .		5
14	3D object tracking in driving environment: A short review and a benchmark dataset. , 2016, , .		4
15	Bone surface reconstruction and clinical features estimation from sparse landmarks and Statistical Shape Models: a feasibility study on the femur. Medical Engineering and Physics, 2021, 95, 30-38.	0.8	4
16	Distributed simultaneous estimation of states and unknown inputs. Systems and Control Letters, 2020, 138, 104660.	1.3	4
17	Short-range gait pattern analysis for potential applications on assistive robotics. , 2017, , .		1
18	Cooperative ITS Challenges: AUTOCITS Pilot in Lisbon. , 2018, , .		0

#	Article	IF	Citations
19	Mobility, Accessibility and Safety of People with Cerebral Palsy. , 2015, , .		0