Carlos Guindel

List of Publications by Year
in descending order

19 papers	498 citations	1683934 5 h-index	1474057 9 g-index
19 all docs	19 docs citations	19 times ranked	404 citing authors

#	Article	IF	Citations
1	BirdNet: A 3D Object Detection Framework from LiDAR Information. , 2018, , .		183
2	Automatic extrinsic calibration for lidar-stereo vehicle sensor setups. , 2017, , .		93
3	Automatic Extrinsic Calibration Method for LiDAR and Camera Sensor Setups. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17677-17689.	4.7	51
4	BirdNet+: End-to-End 3D Object Detection in LiDAR Bird's Eye View. , 2020, , .		40
5	eHMI: Review and Guidelines for Deployment on Autonomous Vehicles. Sensors, 2021, 21, 2912.	2.1	32
6	Fast Joint Object Detection and Viewpoint Estimation for Traffic Scene Understanding. IEEE Intelligent Transportation Systems Magazine, 2018, 10, 74-86.	2.6	24
7	Traffic scene awareness for intelligent vehicles using ConvNets and stereo vision. Robotics and Autonomous Systems, 2019, 112, 109-122.	3.0	21
8	Joint object detection and viewpoint estimation using CNN features. , 2017, , .		15
9	Towards Autonomous Driving: a Multi-Modal 360° Perception Proposal. , 2020, , .		9
10	A Deep Analysis of the Existing Datasets for Traffic Light State Recognition. , 2018, , .		7
11	BirdNet+: Two-Stage 3D Object Detection in LiDAR Through a Sparsity-Invariant Bird's Eye View. IEEE Access, 2021, 9, 160299-160316.	2.6	6
12	Modeling Traffic Scenes for Intelligent Vehicles Using CNN-Based Detection and Orientation Estimation. Advances in Intelligent Systems and Computing, 2018, , 487-498.	0.5	4
13	A Method for Synthetic LiDAR Generation to Create Annotated Datasets for Autonomous Vehicles Perception. , 2019, , .		4
14	Dataset Construction from Naturalistic Driving in Roundabouts. Sensors, 2020, 20, 7151.	2.1	3
15	Cycle and Semantic Consistent Adversarial Domain Adaptation for Reducing Simulation-to-Real Domain Shift in LiDAR Bird's Eye View. , 2021, , .		3
16	The Tornado Project: An Automated Driving Demonstration in Peri-Urban and Rural Areas. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 20-36.	2.6	2
17	Stereo Vision-Based Convolutional Networks for Object Detection in Driving Environments. Lecture Notes in Computer Science, 2018, , 427-434.	1.0	1
18	Analysis of the Influence of Training Data on Road User Detection. , 2018, , .		0

#	Article	IF	Citations
19	Study of the Effect of Exploiting 3D Semantic Segmentation in LiDAR Odometry. Applied Sciences (Switzerland), 2020, 10, 5657.	1.3	0