

Dariu M Gavrilă

List of Publications by Year in descending order

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31
papers

2,865
citations

687363

13
h-index

839539

18
g-index

31
all docs

31
docs citations

31
times ranked

2009
citing authors

#	ARTICLE	IF	CITATIONS
1	Monocular Pedestrian Detection: Survey and Experiments. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 2179-2195.	13.9	1,017
2	Human motion trajectory prediction: a survey. International Journal of Robotics Research, 2020, 39, 895-935.	8.5	381
3	Will the Pedestrian Cross? A Study on Pedestrian Path Prediction. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 494-506.	8.0	251
4	EuroCity Persons: A Novel Benchmark for Person Detection in Traffic Scenes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1844-1861.	13.9	180
5	Active Pedestrian Safety by Automatic Braking and Evasive Steering. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 1292-1304.	8.0	163
6	Context-Based Pedestrian Path Prediction. Lecture Notes in Computer Science, 2014, , 618-633.	1.3	139
7	CNN Based Road User Detection Using the 3D Radar Cube. IEEE Robotics and Automation Letters, 2020, 5, 1263-1270.	5.1	97
8	Context-Based Path Prediction for Targets with Switching Dynamics. International Journal of Computer Vision, 2019, 127, 239-262.	15.6	96
9	A Unified Framework for Concurrent Pedestrian and Cyclist Detection. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 269-281.	8.0	75
10	Integrated pedestrian classification and orientation estimation. , 2010, , .		64
11	A Probabilistic Framework for Joint Pedestrian Head and Body Orientation Estimation. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1872-1882.	8.0	54
12	An Extrinsic Calibration Tool for Radar, Camera and Lidar. , 2019, , .		52
13	Multi-Class Road User Detection With 3+1D Radar in the View-of-Delft Dataset. IEEE Robotics and Automation Letters, 2022, 7, 4961-4968.	5.1	52
14	Using road topology to improve cyclist path prediction. , 2017, , .		38
15	A Joint Extrinsic Calibration Tool for Radar, Camera and Lidar. IEEE Transactions on Intelligent Vehicles, 2021, 6, 571-582.	12.7	32
16	Analysis of pedestrian dynamics from a vehicle perspective. , 2014, , .		26
17	Driver and pedestrian awareness-based collision risk analysis. , 2016, , .		26
18	Context-based cyclist path prediction using Recurrent Neural Networks. , 2019, , .		26

#	ARTICLE	IF	CITATIONS
19	Occlusion aware sensor fusion for early crossing pedestrian detection. , 2019, , .		18
20	Semantic Scene Completion Using Local Deep Implicit Functions on LiDAR Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 7205-7218.	13.9	17
21	Mixture of Switching Linear Dynamics to Discover Behavior Patterns in Object Tracks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 322-334.	13.9	12
22	Scenario-Based Trajectory Optimization in Uncertain Dynamic Environments. IEEE Robotics and Automation Letters, 2021, 6, 5389-5396.	5.1	12
23	Deep End-to-end 3D Person Detection from Camera and Lidar. , 2019, , .		8
24	Fast and Compact Image Segmentation Using Instance Stixels. IEEE Transactions on Intelligent Vehicles, 2022, 7, 45-56.	12.7	7
25	Crafted vs Learned Representations in Predictive Models – A Case Study on Cyclist Path Prediction. IEEE Transactions on Intelligent Vehicles, 2021, 6, 747-759.	12.7	6
26	General-Sum Multi-Agent Continuous Inverse Optimal Control. IEEE Robotics and Automation Letters, 2021, 6, 3429-3436.	5.1	5
27	Instance Stixels: Segmenting and Grouping Stixels into Objects. , 2019, , .		4
28	Simple Pair Pose - Pairwise Human Pose Estimation in Dense Urban Traffic Scenes. , 2021, , .		4
29	ECP2.5D - Person Localization in Traffic Scenes. , 2020, , .		2
30	Generating 3D Person Trajectories from Sparse Image Annotations in an Intelligent Vehicles Setting. , 2019, , .		1
31	An Experimental Study on 3D Person Localization in Traffic Scenes. , 2020, , .		0