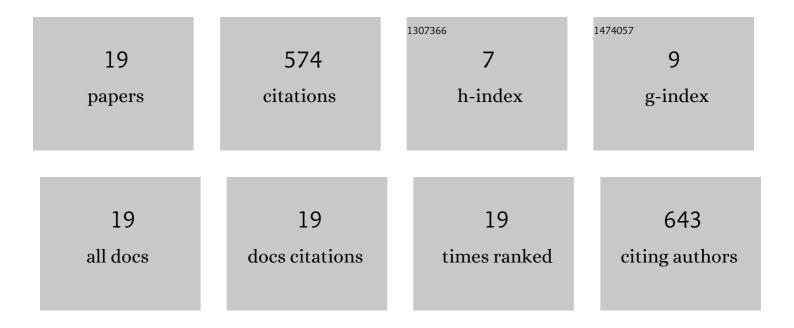
Alireza Asvadi

List of Publications by Year in descending order

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| # | 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, , .

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