Ignacio Parra Alonso

List of Publications by Year
in descending order

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36 papers	1,372 citations	471371 17 h-index	477173 29 g-index
37 all docs	37 docs citations	37 times ranked	1372 citing authors

#	Article	IF	Citations
1	Adaptive Road Crack Detection System by Pavement Classification. Sensors, 2011, 11, 9628-9657.	2.1	259
2	Autonomous Pedestrian Collision Avoidance Using a Fuzzy Steering Controller. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 390-401.	4.7	152
3	Combination of Feature Extraction Methods for SVM Pedestrian Detection. IEEE Transactions on Intelligent Transportation Systems, 2007, 8, 292-307.	4.7	135
4	Intelligent automatic overtaking system using vision for vehicle detection. Expert Systems With Applications, 2012, 39, 3362-3373.	4.4	107
5	Pedestrian Path, Pose, and Intention Prediction Through Gaussian Process Dynamical Models and Pedestrian Activity Recognition. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1803-1814.	4.7	95
6	Accurate Global Localization Using Visual Odometry and Digital Maps on Urban Environments. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 1535-1545.	4.7	76
7	Automatic Traffic Signs and Panels Inspection System Using Computer Vision. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 485-499.	4.7	61
8	Night time vehicle detection for driving assistance lightbeam controller. , 2008, , .		45
9	Automatic LightBeam Controller for driver assistance. Machine Vision and Applications, 2011, 22, 819-835.	1.7	42
10	A vision-based system for automatic hand washing quality assessment. Machine Vision and Applications, 2011, 22, 219-234.	1.7	37
11	An Experimental Study on Pitch Compensation in Pedestrian-Protection Systems for Collision Avoidance and Mitigation. IEEE Transactions on Intelligent Transportation Systems, 2009, 10, 469-474.	4.7	36
12	Robust visual odometry for vehicle localization in urban environments. Robotica, 2010, 28, 441-452.	1.3	35
13	Deep fully convolutional networks with random data augmentation for enhanced generalization in road detection. , 2017, , .		32
14	Error Analysis in a Stereo Vision-Based Pedestrian Detection Sensor for Collision Avoidance Applications. Sensors, 2010, 10, 3741-3758.	2.1	31
15	Vision-based active safety system for automatic stopping. Expert Systems With Applications, 2012, 39, 11234-11242.	4.4	27
16	WiFiNet: WiFi-based indoor localisation using CNNs. Expert Systems With Applications, 2021, 177, 114906.	4.4	23
17	3D Visual Odometry for Road Vehicles. Journal of Intelligent and Robotic Systems: Theory and Applications, 2008, 51, 113-134.	2.0	21
18	Estimating surrounding vehicles' pose using computer vision. , 2010, , .		21

#	Article	IF	Citations
19	Visual odometry and map fusion for GPS navigation assistance. , 2011, , .		21
20	The Experience of DRIVERTIVE-DRIVERless cooperaTIve VEhicle-Team in the 2016 GCDC. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 1322-1334.	4.7	18
21	Assistive Intelligent Transportation Systems: The Need for User Localization and Anonymous Disability Identification. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 25-40.	2.6	17
22	CAPformer: Pedestrian Crossing Action Prediction Using Transformer. Sensors, 2021, 21, 5694.	2.1	15
23	Perception advances in outdoor vehicle detection for automatic cruise control. Robotica, 2010, 28, 765-779.	1.3	11
24	Bounding Box Accuracy in Pedestrian Detection for Intelligent Transportation Systems. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	6
25	Comparison between UHF RFID and BLE for Stereo-Based Tag Association in Outdoor Scenarios. , 2016, , .		6
26	Vehicle Lane Change Prediction on Highways Using Efficient Environment Representation and Deep Learning. IEEE Access, 2021, 9, 119454-119465.	2.6	6
27	Testing Predictive Automated Driving Systems: Lessons Learned and Future Recommendations. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 77-93.	2.6	6
28	High-Level Interpretation of Urban Road Maps Fusing Deep Learning-Based Pixelwise Scene Segmentation and Digital Navigation Maps. Journal of Advanced Transportation, 2018, 2018, 1-15.	0.9	5
29	Simple Baseline for Vehicle Pose Estimation: Experimental Validation. IEEE Access, 2020, 8, 132539-132550.	2.6	5
30	Are We Ready for Accurate and Unbiased Fine-Grained Vehicle Classification in Realistic Environments?. IEEE Access, 2021, 9, 116338-116355.	2.6	5
31	Urban Intersection Classification: A Comparative Analysis. Sensors, 2021, 21, 6269.	2.1	5
32	Robust visual odometry for complex urban environments. , 2008, , .		4
33	Visual odometry for road vehiclesâ€"feasibility analysis. Journal of Zhejiang University: Science A, 2007, 8, 2017-2020.	1.3	3
34	Real Time Driving-Aid System for Different Lighting Conditions, on Board a Road Vehicle. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	2
35	Sensors and Sensing for Intelligent Vehicles. Sensors, 2020, 20, 5115.	2.1	2
36	3D-Visual Detection of Multiple Objects and Structural Features in Complex and Dynamic Indoor Environments. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	0