

JosÃ© M Armingol

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4001686/publications.pdf>

Version: 2024-02-01

86
papers

2,873
citations

257450

24
h-index

182427

51
g-index

92
all docs

92
docs citations

92
times ranked

2441
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical generator of tracking global hypotheses. Expert Systems With Applications, 2022, 206, 117813.	7.6	1
2	Intelligent Video Surveillance Systems for Vehicle Identification Based on Multinet Architecture. Information (Switzerland), 2022, 13, 325.	2.9	3
3	Back-propagation of the Mahalanobis distance through a deep triplet learning model for person Re-Identification. Integrated Computer-Aided Engineering, 2021, 28, 277-294.	4.6	14
4	Project ARES: Driverless Transportation System. Challenges and Approaches in an Unstructured Road. Electronics (Switzerland), 2021, 10, 1753.	3.1	9
5	Study of the Effect of Exploiting 3D Semantic Segmentation in LiDAR Odometry. Applied Sciences (Switzerland), 2020, 10, 5657.	2.5	0
6	Dataset Construction from Naturalistic Driving in Roundabouts. Sensors, 2020, 20, 7151.	3.8	3
7	Deep Learning of Appearance Affinity for Multi-Object Tracking and Re-Identification: A Comparative View. Electronics (Switzerland), 2020, 9, 1757.	3.1	6
8	Improved LiDAR Probabilistic Localization for Autonomous Vehicles Using GNSS. Sensors, 2020, 20, 3145.	3.8	26
9	Autonomous Vehicle Architecture for High Automation. Lecture Notes in Computer Science, 2020, , 145-152.	1.3	2
10	A vision-based navigation system for Unmanned Aerial Vehicles (UAVs). Integrated Computer-Aided Engineering, 2019, 26, 297-310.	4.6	12
11	An Appearance-Based Tracking Algorithm for Aerial Search and Rescue Purposes. Sensors, 2019, 19, 652.	3.8	41
12	Traffic scene awareness for intelligent vehicles using ConvNets and stereo vision. Robotics and Autonomous Systems, 2019, 112, 109-122.	5.1	21
13	Balancing People Re-Identification Data for Deep Parts Similarity Learning. Journal of Imaging Science and Technology, 2019, 63, 020401-1-020401-14.	0.5	4
14	Modeling Traffic Scenes for Intelligent Vehicles Using CNN-Based Detection and Orientation Estimation. Advances in Intelligent Systems and Computing, 2018, , 487-498.	0.6	4
15	Environmental Perception for Intelligent Vehicles. , 2018, , 23-101.		6
16	Survey of computer vision algorithms and applications for unmanned aerial vehicles. Expert Systems With Applications, 2018, 92, 447-463.	7.6	147
17	Cooperative Systems for Autonomous Vehicles. Journal of Advanced Transportation, 2018, 2018, 1-1.	1.7	1
18	Fast Joint Object Detection and Viewpoint Estimation for Traffic Scene Understanding. IEEE Intelligent Transportation Systems Magazine, 2018, 10, 74-86.	3.8	24

#	ARTICLE	IF	CITATIONS
19	Hybrid Optimization-Based Approach for Multiple Intelligent Vehicles Requests Allocation. Journal of Advanced Transportation, 2018, 2018, 1-11.	1.7	7
20	Deep Parts Similarity Learning for Person Re-Identification. , 2018, , .		4
21	Sensor Fusion Methodology for Vehicle Detection. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 123-133.	3.8	83
22	Homography-Based Navigation System for Unmanned Aerial Vehicles. Lecture Notes in Computer Science, 2017, , 288-300.	1.3	7
23	Obstacle Detection and Avoidance System Based on Monocular Camera and Size Expansion Algorithm for UAVs. Sensors, 2017, 17, 1061.	3.8	79
24	Deep Part Features Learning by a Normalised Double-Margin-Based Contrastive Loss Function for Person Re-Identification. , 2017, , .		4
25	Pose Self-Calibration of Stereo Vision Systems for Autonomous Vehicle Applications. Sensors, 2016, 16, 1492.	3.8	5
26	P2V and V2P communication for Pedestrian warning on the basis of Autonomous Vehicles. , 2016, , .		76
27	Stereo visual odometry in urban environments based on detecting ground features. Robotics and Autonomous Systems, 2016, 80, 1-10.	5.1	15
28	Mobile based pedestrian detection with accurate tracking. , 2016, , .		1
29	Advanced Driver Assistance System for Road Environments to Improve Safety and Efficiency. Transportation Research Procedia, 2016, 14, 2245-2254.	1.5	92
30	Data Fusion Enhanced with Context Information for Road Safety Application. Advances in Computer Vision and Pattern Recognition, 2016, , 653-674.	1.3	0
31	Stereo Visual Odometry for Urban Vehicles Using Ground Features. Advances in Intelligent Systems and Computing, 2016, , 385-397.	0.6	1
32	Data Fusion for Driver Behaviour Analysis. Sensors, 2015, 15, 25968-25991.	3.8	55
33	Intelligent surveillance of indoor environments based on computer vision and 3D point cloud fusion. Expert Systems With Applications, 2015, 42, 8156-8171.	7.6	20
34	Laser Scanner and Camera Fusion for Automatic Obstacle Classification in ADAS Application. Communications in Computer and Information Science, 2015, , 237-249.	0.5	7
35	SIFT and SURF Performance Evaluation and the Effect of FREAK Descriptor in the Context of Visual Odometry for Unmanned Aerial Vehicles. Lecture Notes in Computer Science, 2015, , 739-747.	1.3	4
36	Continuous pose estimation for stereo vision based on UV disparity applied to visual odometry in urban environments. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
37	Context aided pedestrian detection for danger estimation based on laser scanner and computer vision. Expert Systems With Applications, 2014, 41, 6646-6661.	7.6	36
38	IVVI 2.0: An intelligent vehicle based on computational perception. Expert Systems With Applications, 2014, 41, 7927-7944.	7.6	30
39	Driver Monitoring Based on Low-Cost 3-D Sensors. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 1855-1860.	8.0	34
40	Abnormal behavior detection using dominant sets. Machine Vision and Applications, 2014, 25, 1351-1368.	2.7	24
41	Pedestrian detection in far infrared images. Integrated Computer-Aided Engineering, 2013, 20, 347-360.	4.6	79
42	Distributed Pedestrian Detection Alerts Based on Data Fusion with Accurate Localization. Sensors, 2013, 13, 11687-11708.	3.8	27
43	Part based pedestrian detection based on Logic inference. , 2013, , .		1
44	Enhanced obstacle detection based on Data Fusion for ADAS applications. , 2013, , .		6
45	Joint Probabilistic Data Association fusion approach for pedestrian detection. , 2013, , .		5
46	Context-Aided Sensor Fusion for Enhanced Urban Navigation. Sensors, 2012, 12, 16802-16837.	3.8	35
47	Discrete features for rapid pedestrian detection in infrared images. , 2012, , .		3
48	Data fusion for overtaking vehicle detection based on radar and optical flow. , 2012, , .		55
49	Contrast invariant features for human detection in far infrared images. , 2012, , .		30
50	Environment perception based on LIDAR sensors for real road applications. Robotica, 2012, 30, 185-193.	1.9	30
51	U-V Disparity Analysis in Urban Environments. Lecture Notes in Computer Science, 2012, , 426-432.	1.3	15
52	Detection and classification of road signs for automatic inventory systems using computer vision. Integrated Computer-Aided Engineering, 2012, 19, 285-298.	4.6	12
53	Recognition Stage for a Speed Supervisor Based on Road Sign Detection. Sensors, 2012, 12, 12153-12168.	3.8	13
54	Visual ego motion estimation in urban environments based on U-V disparity. , 2012, , .		5

#	ARTICLE	IF	CITATIONS
55	Fusion procedure for pedestrian detection based on laser scanner and computer vision. , 2011, , .		8
56	Driver drowsiness detection system under infrared illumination for an intelligent vehicle. IET Intelligent Transport Systems, 2011, 5, 241-251.	3.0	24
57	Limitations of positioning systems for developing digital maps and locating vehicles according to the specifications of future driver assistance systems. IET Intelligent Transport Systems, 2011, 5, 60-69.	3.0	13
58	Can Low-Cost Road Vehicles Positioning Systems Fulfil Accuracy Specifications of New ADAS Applications?. Journal of Navigation, 2011, 64, 251-264.	1.7	13
59	Far infrared pedestrian detection and tracking for night driving. Robotica, 2011, 29, 495-505.	1.9	22
60	Real-Time Pedestrian Recognition in Urban Environments. , 2011, , 139-147.		6
61	Phase Spread Segmentation of Pedestrians in Far Infrared Images. , 2011, , 129-138.		1
62	Real-Time Warning System for Driver Drowsiness Detection Using Visual Information. Journal of Intelligent and Robotic Systems: Theory and Applications, 2010, 59, 103-125.	3.4	69
63	Vehicle detection and tracking for visual understanding of road environments. Robotica, 2010, 28, 847-860.	1.9	3
64	Hybrid fusion scheme for pedestrian detection based on laser scanner and far infrared camera. , 2010, , .		5
65	Automatic Chessboard Detection for Intrinsic and Extrinsic Camera Parameter Calibration. Sensors, 2010, 10, 2027-2044.	3.8	116
66	Driver Drowsiness Warning System Using Visual Information for Both Diurnal and Nocturnal Illumination Conditions. Eurasip Journal on Advances in Signal Processing, 2010, 2010, , .	1.7	55
67	Identifying and Tracking Pedestrians Based on Sensor Fusion and Motion Stability Predictions. Sensors, 2010, 10, 8028-8053.	3.8	45
68	Detección Automática de un Patrón para la Calibración Automática de Cámaras. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2010, 7, 83-94.	1.0	1
69	Vehicle Detection Based on Laser Radar. Lecture Notes in Computer Science, 2009, , 391-397.	1.3	12
70	Real-time drowsiness detection system for an intelligent vehicle. , 2008, , , .		19
71	Driving supervision through traffic sign analysis. , 2008, , , .		4
72	Object learning and detection using evolutionary deformable models for mobile robot navigation. Robotica, 2008, 26, 99-107.	1.9	13

#	ARTICLE	IF	CITATIONS
73	Pedestrian Detection and Tracking Based on Far Infrared Visual Information. Lecture Notes in Computer Science, 2008, , 958-969.	1.3	7
74	New Probability Models for Face Detection and Tracking in Color Images. , 2007, , .		1
75	IVI: Intelligent vehicle based on visual information. Robotics and Autonomous Systems, 2007, 55, 904-916.	5.1	36
76	Adaptative Road Lanes Detection and Classification. Lecture Notes in Computer Science, 2006, , 1151-1162.	1.3	18
77	Multi-resolution Image Analysis for Vehicle Detection. Lecture Notes in Computer Science, 2005, , 579-586.	1.3	4
78	Pedestrian Detection for Intelligent Vehicles Based on Active Contour Models and Stereo Vision. Lecture Notes in Computer Science, 2005, , 537-542.	1.3	20
79	Visual Sign Information Extraction and Identification by Deformable Models for Intelligent Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2004, 5, 57-68.	8.0	183
80	Statistical Pattern Modeling in Vision-Based Quality Control Systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 2003, 37, 321-336.	3.4	24
81	Traffic sign recognition and analysis for intelligent vehicles. Image and Vision Computing, 2003, 21, 247-258.	4.5	361
82	Mobile robot localization using a non-linear evolutionary filter. Advanced Robotics, 2002, 16, 629-652.	1.8	5
83	A Genetic Algorithm for Mobile Robot Localization Using Ultrasonic Sensors. Journal of Intelligent and Robotic Systems: Theory and Applications, 2002, 34, 135-154.	3.4	81
84	Mobile Robot Navigation Based on Visual Landmark Recognition. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 185-190.	0.4	6
85	Road traffic sign detection and classification. IEEE Transactions on Industrial Electronics, 1997, 44, 848-859.	7.9	435
86	Continuous mobile robot localization by using structured light and a geometric map. International Journal of Systems Science, 1996, 27, 771-782.	5.5	23