

Miguel Armando Riem de Oliveira

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

558
citations

932766

10
h-index

794141

19
g-index

47
all docs

47
docs citations

47
times ranked

417
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimodal inverse perspective mapping. Information Fusion, 2015, 24, 108-121.	11.7	50
2	GOOD: A global orthographic object descriptor for 3D object recognition and manipulation. Pattern Recognition Letters, 2016, 83, 312-320.	2.6	41
3	A Probabilistic Approach for Color Correction in Image Mosaicking Applications. IEEE Transactions on Image Processing, 2015, 24, 508-523.	6.0	38
4	Towards lifelong assistive robotics: A tight coupling between object perception and manipulation. Neurocomputing, 2018, 291, 151-166.	3.5	35
5	Wavelet-Based Visible and Infrared Image Fusion: A Comparative Study. Sensors, 2016, 16, 861.	2.1	34
6	Unsupervised local color correction for coarsely registered images. , 2011, , .		32
7	Interactive Open-Ended Learning for 3D Object Recognition: An Approach and Experiments. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 80, 537-553.	2.0	29
8	3D object perception and perceptual learning in the RACE project. Robotics and Autonomous Systems, 2016, 75, 614-626.	3.0	29
9	Comparing Spatial and Mobile Augmented Reality for Guiding Assembling Procedures with Task Validation. , 2019, , .		29
10	A perceptual memory system for grounding semantic representations in intelligent service robots. , 2014, , .		19
11	The RACE Project. KI - Kunstliche Intelligenz, 2014, 28, 297-304.	2.2	18
12	A ROS framework for the extrinsic calibration of intelligent vehicles: A multi-sensor, multi-modal approach. Robotics and Autonomous Systems, 2020, 131, 103558.	3.0	17
13	ATLASCAR - technologies for a computer assisted driving system on board a common automobile. , 2010, , .		15
14	A General Approach to Handâ€Eye Calibration Through the Optimization of Atomic Transformations. IEEE Transactions on Robotics, 2021, 37, 1619-1633.	7.3	13
15	Interactive teaching and experience extraction for learning about objects and robot activities. , 2014, , .		12
16	Concurrent learning of visual codebooks and object categories in open-ended domains. , 2015, , .		12
17	3D-2D Laser Range Finder Calibration Using a Conic Based Geometry Shape. Lecture Notes in Computer Science, 2012, , 312-319.	1.0	9
18	A mobile robot based sensing approach for assessing spatial inconsistencies of a logistic system. Journal of Manufacturing Systems, 2017, 43, 129-138.	7.6	9

#	ARTICLE	IF	CITATIONS
19	Incremental scenario representations for autonomous driving using geometric polygonal primitives. Robotics and Autonomous Systems, 2016, 83, 312-325.	3.0	8
20	A Camera to LiDAR calibration approach through the optimization of atomic transformations. Expert Systems With Applications, 2021, 176, 114894.	4.4	8
21	An orthographic descriptor for 3D object learning and recognition. , 2016, , .		7
22	Incremental texture mapping for autonomous driving. Robotics and Autonomous Systems, 2016, 84, 113-128.	3.0	7
23	Monocular visual odometry: A cross-spectral image fusion based approach. Robotics and Autonomous Systems, 2016, 85, 26-36.	3.0	6
24	Enhancement of RGB-D Image Alignment Using Fiducial Markers. Sensors, 2020, 20, 1497.	2.1	6
25	ATOM: A general calibration framework for multi-modal, multi-sensor systems. Expert Systems With Applications, 2022, 207, 118000.	4.4	6
26	An interactive open-ended learning approach for 3D object recognition. , 2014, , .		5
27	An Adaptive Object Perception System Based on Environment Exploration and Bayesian Learning. , 2015, , .		5
28	Autonomous Scene Exploration for Robotics: A Conditional Random View-Sampling and Evaluation Using a Voxel-Sorting Mechanism for Efficient Ray Casting. Sensors, 2020, 20, 4331.	2.1	5
29	Multi-Sensor Extrinsic Calibration Using an Extended Set of Pairwise Geometric Transformations. Sensors, 2020, 20, 6717.	2.1	5
30	A General Approach to the Extrinsic Calibration of Intelligent Vehicles Using ROS. Advances in Intelligent Systems and Computing, 2020, , 203-215.	0.5	5
31	Scene Representations for Autonomous Driving: An Approach Based on Polygonal Primitives. Advances in Intelligent Systems and Computing, 2016, , 503-515.	0.5	5
32	Color Correction Using 3D Gaussian Mixture Models. Lecture Notes in Computer Science, 2012, , 97-106.	1.0	4
33	Evaluating and enhancing google tango localization in indoor environments using fiducial markers. , 2018, , .		4
34	2D lidar to kinematic chain calibration using planar features of indoor scenes. Industrial Robot, 2020, 47, 647-655.	1.2	4
35	Robust Texture Mapping Using RGB-D Cameras. Sensors, 2021, 21, 3248.	2.1	4
36	Color correction for onboard multi-camera systems using 3D Gaussian Mixture Models. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
37	Monocular Visual Odometry Benchmarking and Turn Performance Optimization. , 2019, , .		3
38	Hierarchical Nearest Neighbor Graphs for Building Perceptual Hierarchies. Lecture Notes in Computer Science, 2015, , 646-655.	1.0	3
39	Tomato Detection Using Deep Learning for Robotics Application. Lecture Notes in Computer Science, 2021, , 27-38.	1.0	2
40	A Robust 3D-Based Color Correction Approach for Texture Mapping Applications. Sensors, 2022, 22, 1730.	2.1	2
41	Editorial: Special issue on autonomous driving and driver assistance systems. Robotics and Autonomous Systems, 2019, 121, 103266.	3.0	1
42	Performance Analysis on Deep Learning Semantic Segmentation with multivariate Training Procedures. , 2020, , .		1
43	Editorial: Special issue on Autonomous Driving and Driver Assistance Systems " Some main trends. Robotics and Autonomous Systems, 2021, 144, 103832.	3.0	0
44	Automatic Information and Safety Systems for Driving Assistance. Electronic Letters on Computer Vision and Image Analysis, 2014, 13, 49.	0.5	0
45	A Hybrid Top-Down Bottom-Up Approach for the Detection of Cuboid Shaped Objects. Lecture Notes in Computer Science, 2016, , 512-520.	1.0	0