Gonzalez-Barbosa Jose-Joel

List of Publications by Year
in descending order

56 papers	366 citations	1162367 8 h-index	996533 15 g-index
64 all docs	64 docs citations	64 times ranked	369 citing authors

#	Article	IF	Citations
1	LIDAR Velodyne HDL-64E Calibration Using Pattern Planes. International Journal of Advanced Robotic Systems, 2011, 8, 59.	1.3	81
2	Optimal camera placement for total coverage. , 2009, , .		43
3	LIDAR and Panoramic Camera Extrinsic Calibration Approach Using a Pattern Plane. Lecture Notes in Computer Science, 2013, , 104-113.	1.0	23
4	Rover localization in natural environments by indexing panoramic images. , 0, , .		19
5	Fast Dense Panoramic Stereovision. , 0, , .		14
6	Fringe projection profilometry for panoramic 3D reconstruction. Optics and Lasers in Engineering, 2016, 78, 106-112.	2.0	14
7	Detecting Abnormal Vehicular Dynamics at Intersections Based on an Unsupervised Learning Approach and a Stochastic Model. Sensors, 2010, 10, 7576-7601.	2.1	12
8	Backstepping control for a UAV-manipulator tuned by Cuckoo Search algorithm. Robotics and Autonomous Systems, 2022, 147, 103910.	3.0	12
9	Error propagation and uncertainty analysis between 3D laser scanner and camera. Robotics and Autonomous Systems, 2014, 62, 782-793.	3.0	10
10	Leap motion controller three dimensional verification and polynomial correction. Measurement: Journal of the International Measurement Confederation, 2016, 93, 258-264.	2.5	10
11	Improving Motor Imagery EEG Classification Based on Channel Selection Using a Deep Learning Architecture. Mathematics, 2022, 10, 2302.	1.1	10
12	Kinematic analysis of a novel 2(3-<u>R</u>US) parallel manipulator. Robotica, 2016, 34, 2241-2256.	1.3	8
13	Virtual Laboratories for Training in Industrial Robotics. IEEE Latin America Transactions, 2016, 14, 665-672.	1.2	7
14	A Panoramic 3D Reconstruction System Based on the Projection of Patterns. International Journal of Advanced Robotic Systems, 2014, 11, 55.	1.3	6
15	Vision System for 3D Reconstruction with Telecentric Lens. Lecture Notes in Computer Science, 2012, , 127-136.	1.0	6
16	3D city models: Mapping approach using LIDAR technology. , 2011, , .		5
17	Detecting Unusual Activities at Vehicular Intersections. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	4
18	Color Texture Histograms for Natural Images Interpretation. , 2007, , .		4

#	Article	IF	Citations
19	GPS Precision Time Stamping for the HDL-64E Lidar Sensor and Data Fusion. , 2012, , .		4
20	3D reconstruction of hollow parts analyzing images acquired by a fiberscope. Measurement Science and Technology, 2014, 25, 075402.	1.4	4
21	Accurate 3D Reconstruction using a Turntable-based and Telecentric Vision. Automatika, 2015, 56, 508-521.	1.2	4
22	Detecting background and foreground with a laser array system. Measurement: Journal of the International Measurement Confederation, 2015, 63, 195-206.	2.5	4
23	Detection and Segmentation of 3D Objects in Urban Environments Using Indexation. IEEE Latin America Transactions, 2015, 13, 1120-1128.	1.2	4
24	Accurate evaluation of sensitivity for calibration between a LiDAR and a panoramic camera used for remote sensing. Journal of Applied Remote Sensing, 2016, 10, 024002.	0.6	4
25	Hand features extractor using hand contour â€“ a case study. Automatika, 2020, 61, 99-108.	1.2	4
26	Automatic 3D City Reconstruction Platform Using a LIDAR and DGPS. Lecture Notes in Computer Science, 2013, , 285-297.	1.0	4
27	Dynamic Measurement of Portos Tomato Seedling Growth Using the Kinect 2.0 Sensor. Agriculture (Switzerland), 2022, 12, 449.	1.4	4
28	2-Dimension hot-air popcorn morphology development. Journal of Food Engineering, 2019, 259, 29-33.	2.7	3
29	Calibration of Endoscopic Systems Coupled to a Camera and a Structured Light Source. Mapan - Journal of Metrology Society of India, 2019, 34, 143-157.	1.0	3
30	ReconstrucciÃ³n virtual tridimensional de entornos urbanos complejos. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2020, 17, 22.	0.6	2
31	Energy consumption analysis for an adaptive prototype of 3R industrial robot. Robotica, 2022, 40, 4143-4168.	1.3	2
32	Complete Sensitivity Analysis in a LiDAR-Camera Calibration Model. Journal of Computing and Information Science in Engineering, 2016, 16, .	1.7	1
33	Performance evaluation of a portable 3D vision coordinate measuring system. Automatika, 2017, 58, 253-265.	1.2	1
34	Face recognition in office environments with Google AIY Vision Kit. , 2019, , .		1
35	Energy Evaluation Applied to Serial Manipulator. IEEE Latin America Transactions, 2021, 19, 226-234.	1.2	1
36	Automobile indexation from 3D point clouds of urban scenarios. Automatika, 2021, 62, 311-318.	1.2	1

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37	MEASUREMENT ERROR WITH DIFFERENT COMPUTER VISION TECHNIQUES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W7, 227-235.	0.2	1
38	Accuracy Comparison Between Deep Learning Models for Mexican Lemon Classification. Communications in Computer and Information Science, 2021, , 62-73.	0.4	1
39	A Double Layer Background Model to Detect Unusual Events. , 2007, , 406-416.		1
40	‹title›Facial feature extraction in people's frontal view images‹/title›. , 2000, 4115, 256.		0
41	Stochastic optical solitons in nonlinear media type kerr. , 0, , .		0
42	An ESPI technique based on panoramic interferometry with paraboloid mirrors. , 2008, , .		0
43	Traffic infraestructure inventory system by analyses images. Proceedings of SPIE, 2011, , .	0.8	0
44	Detection and Measurement of the Intracellular Calcium Variation in Follicular Cells. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-10.	0.7	0
45	Mobile remote sensing platform: An uncertainty calibration analysis. , 2014, , .		0
46	Three-dimensional terrestrial reconstruction system: Calibration and error propagation approach. , 2015, , .		0
47	Estimation of the Elastic Properties of Polymer Plates Using a Structured Light Technique. Experimental Mechanics, 2015, 55, 1465-1474.	1.1	0
48	Design of an HMI electrical impedance tomography system based on off-the-shelf components. , 2016, , .		0
49	A framework for developing associative classifiers based on ICA. Engineering Applications of Artificial Intelligence, 2017, 58, 88-100.	4.3	0
50	A Linear Criterion to sort Color Components in Images. Ingenieria E Investigacion, 2017, 37, 91.	0.2	0
51	DigitalizaciÃ³n del entorno a partir de un LIDAR HDL-64E. Nexo, 2012, 25, 28-37.	0.1	0
52	Positioning system for 3D scans inside objects. Revista Internacional De Metodos Numericos Para Calculo Y Diseno En Ingenieria, 2018, 35, .	0.1	0
53	Calibration of a panoramic 3D reconstruction system. IET Image Processing, 2019, 13, 1006-1015.	1.4	0
54	Road Signs Segmentation Through Mobile Laser Scanner and Imagery. Lecture Notes in Computer Science, 2020, , 376-389.	1.0	0

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55	Active object search using a pyramid approach to determine the next-best-view. IAES International Journal of Robotics and Automation, 2022, 11, 70.	0.2	0
56	Using mobile laser scanner and imagery for urban management applications. IAES International Journal of Robotics and Automation, 2022, 11, 89.	0.2	0