# 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 | Backstepping control for a UAV-manipulator tuned by Cuckoo Search algorithm. Robotics and Autonomous Systems, 2022, 147, 103910. | 3.0 | 12 |
| 2 | 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 |
| 3 | Dynamic Measurement of Portos Tomato Seedling Growth Using the Kinect 2.0 Sensor. Agriculture (Switzerland), 2022, 12, 449. | 1.4 | 4 |
| 4 | Using mobile laser scanner and imagery for urban management applications. IAES International Journal of Robotics and Automation, 2022, 11, 89. | 0.2 | 0 |
| 5 | Energy consumption analysis for an adaptive prototype of 3R industrial robot. Robotica, 2022, 40, 4143-4168. | 1.3 | 2 |
| 6 | Improving Motor Imagery EEG Classification Based on Channel Selection Using a Deep Learning Architecture. Mathematics, 2022, 10, 2302. | 1.1 | 10 |
| 7 | Energy Evaluation Applied to Serial Manipulator. IEEE Latin America Transactions, 2021, 19, 226-234. | 1.2 | 1 |
| 8 | Automobile indexation from 3D point clouds of urban scenarios. Automatika, 2021, 62, 311-318. | 1.2 | 1 |
| 9 | Accuracy Comparison Between Deep Learning Models for Mexican Lemon Classification. Communications in Computer and Information Science, 2021, , 62-73. | 0.4 | 1 |
| 10 | Hand features extractor using hand contour â€" a case study. Automatika, 2020, 61, 99-108. | 1.2 | 4 |
| 11 | ReconstrucciÃ³n virtual tridimensional de entornos urbanos complejos. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2020, 17, 22. | 0.6 | 2 |
| 12 | Road Signs Segmentation Through Mobile Laser Scanner and Imagery. Lecture Notes in Computer Science, 2020, , 376-389. | 1.0 | 0 |
| 13 | 2-Dimension hot-air popcorn morphology development. Journal of Food Engineering, 2019, 259, 29-33. | 2.7 | 3 |
| 14 | Face recognition in office environments with Google AIY Vision Kit. , 2019, , . | | 1 |
| 15 | 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 |
| 16 | Calibration of a panoramic 3D reconstruction system. IET Image Processing, 2019, 13, 1006-1015. | 1.4 | 0 |
| 17 | Positioning system for 3D scans inside objects. Revista Internacional De Metodos Numericos Para Calculo Y Diseno En Ingenieria, 2018, 35, . | 0.1 | 0 |
| 18 | A framework for developing associative classifiers based on ICA. Engineering Applications of Artificial Intelligence, 2017, 58, 88-100. | 4.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Performance evaluation of a portable 3D vision coordinate measuring system. Automatika, 2017, 58, 253-265. | 1.2 | 1 |
| 20 | A Linear Criterion to sort Color Components in Images. Ingenieria E Investigacion, 2017, 37, 91. | 0.2 | 0 |
| 21 | Leap motion controller three dimensional verification and polynomial correction. Measurement: Journal of the International Measurement Confederation, 2016, 93, 258-264. | 2.5 | 10 |
| 22 | 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 |
| 23 | Design of an HMI electrical impedance tomography system based on off-the-shelf components. , 2016, , . | | 0 |
| 24 | Virtual Laboratories for Training in Industrial Robotics. IEEE Latin America Transactions, 2016, 14, 665-672. | 1.2 | 7 |
| 25 | Fringe projection profilometry for panoramic 3D reconstruction. Optics and Lasers in Engineering, 2016, 78, 106-112. | 2.0 | 14 |
| 26 | Kinematic analysis of a novel 2(3-<u>R</u>US) parallel manipulator. Robotica, 2016, 34, 2241-2256. | 1.3 | 8 |
| 27 | Complete Sensitivity Analysis in a LiDAR-Camera Calibration Model. Journal of Computing and Information Science in Engineering, 2016, 16, . | 1.7 | 1 |
| 28 | Accurate 3D Reconstruction using a Turntable-based and Telecentric Vision. Automatika, 2015, 56, 508-521. | 1.2 | 4 |
| 29 | Three-dimensional terrestrial reconstruction system: Calibration and error propagation approach. , 2015, , . | | 0 |
| 30 | Detecting background and foreground with a laser array system. Measurement: Journal of the International Measurement Confederation, 2015, 63, 195-206. | 2.5 | 4 |
| 31 | Estimation of the Elastic Properties of Polymer Plates Using a Structured Light Technique. Experimental Mechanics, 2015, 55, 1465-1474. | 1.1 | 0 |
| 32 | Detection and Segmentation of 3D Objects in Urban Environments Using Indexation. IEEE Latin America Transactions, 2015, 13, 1120-1128. | 1.2 | 4 |
| 33 | 3D reconstruction of hollow parts analyzing images acquired by a fiberscope. Measurement Science and Technology, 2014, 25, 075402. | 1.4 | 4 |
| 34 | Detection and Measurement of the Intracellular Calcium Variation in Follicular Cells. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-10. | 0.7 | 0 |
| 35 | Mobile remote sensing platform: An uncertainty calibration analysis. , 2014, , . | | 0 |
| 36 | Error propagation and uncertainty analysis between 3D laser scanner and camera. Robotics and Autonomous Systems, 2014, 62, 782-793. | 3.0 | 10 |

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|---|---|---|---|
| 37 | A Panoramic 3D Reconstruction System Based on the Projection of Patterns. International Journal of Advanced Robotic Systems, 2014, 11, 55. | 1.3 | 6 |
| 38 | Automatic 3D City Reconstruction Platform Using a LIDAR and DGPS. Lecture Notes in Computer Science, 2013, , 285-297. | 1.0 | 4 |
| 39 | LIDAR and Panoramic Camera Extrinsic Calibration Approach Using a Pattern Plane. Lecture Notes in Computer Science, 2013, , 104-113. | 1.0 | 23 |
| 40 | GPS Precision Time Stamping for the HDL-64E Lidar Sensor and Data Fusion. , 2012, , . | | 4 |
| 41 | Vision System for 3D Reconstruction with Telecentric Lens. Lecture Notes in Computer Science, 2012, , 127-136. | 1.0 | 6 |
| 42 | Digitalización del entorno a partir de un LIDAR HDL-64E. Nexo, 2012, 25, 28-37. | 0.1 | 0 |
| 43 | 3D city models: Mapping approach using LIDAR technology. , 2011, , . | | 5 |
| 44 | Traffic infraestructure inventory system by analyses images. Proceedings of SPIE, 2011, , . | 0.8 | 0 |
| 45 | LIDAR Velodyne HDL-64E Calibration Using Pattern Planes. International Journal of Advanced Robotic Systems, 2011, 8, 59. | 1.3 | 81 |
| 46 | Detecting Abnormal Vehicular Dynamics at Intersections Based on an Unsupervised Learning Approach and a Stochastic Model. Sensors, 2010, 10, 7576-7601. | 2.1 | 12 |
| 47 | Optimal camera placement for total coverage. , 2009, , . | | 43 |
| 48 | An ESPI technique based on panoramic interferometry with paraboloid mirrors. , 2008, , . | | 0 |
| 49 | Detecting Unusual Activities at Vehicular Intersections. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , . | 0.0 | 4 |
| 50 | Color Texture Histograms for Natural Images Interpretation. , 2007, , . | | 4 |
| 51 | A Double Layer Background Model to Detect Unusual Events. , 2007, , 406-416. | | 1 |
| 52 | <title>Facial feature extraction in people's frontal view images</title>. , 2000, 4115, 256. | | 0 |
| 53 | Rover localization in natural environments by indexing panoramic images. , 0, , . | | 19 |
| 54 | Stochastic optical solitons in nonlinear media type kerr. , 0, , . | | 0 |

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|---|---------|-----|-----------|
| 55 | Fast Dense Panoramic Stereovision. , 0, , . | | 14 |
| 56 | 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 |