

Juan B. Hurtado-Ramos

List of Publications by Year in descending order

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47
papers

266
citations

1306789

7
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1058022

14
g-index

49
all docs

49
docs citations

49
times ranked

294
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	Fringe projection profilometry for panoramic 3D reconstruction. Optics and Lasers in Engineering, 2016, 78, 106-112.	2.0	14
5	Error propagation and uncertainty analysis between 3D laser scanner and camera. Robotics and Autonomous Systems, 2014, 62, 782-793.	3.0	10
6	Leap motion controller three dimensional verification and polynomial correction. Measurement: Journal of the International Measurement Confederation, 2016, 93, 258-264.	2.5	10
7	Improving Motor Imagery EEG Classification Based on Channel Selection Using a Deep Learning Architecture. Mathematics, 2022, 10, 2302.	1.1	10
8	Corrections of size-of-source effect and distance effect in radiometric measurements of radiance. Applied Optics, 2005, 44, 2511.	2.1	8
9	An ESPI system for determining in-plane deformations. Three-dimensional analysis of the carrier fringes and a proposal for analysis of transient in-plane deformations. Measurement Science and Technology, 2001, 12, 644-651.	1.4	7
10	Analysis of accuracy in prism coupling methods and a proposal of two simple ways for coupling to guided waves and/or for exciting surface plasmon resonance. Optical Materials, 1997, 7, 153-164.	1.7	6
11	A Panoramic 3D Reconstruction System Based on the Projection of Patterns. International Journal of Advanced Robotic Systems, 2014, 11, 55.	1.3	6
12	Illuminance-spatial-distribution-based total luminous flux determination for white LEDs. , 2011, , .		4
13	Synchronization of Two Photoelastic Light Modulators to Obtain Müller Matrix. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 2050-2057.	2.4	4
14	3D reconstruction of hollow parts analyzing images acquired by a fiberscope. Measurement Science and Technology, 2014, 25, 075402.	1.4	4
15	Detection and Segmentation of 3D Objects in Urban Environments Using Indexation. IEEE Latin America Transactions, 2015, 13, 1120-1128.	1.2	4
16	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
17	Hand features extractor using hand contour " a case study. Automatika, 2020, 61, 99-108.	1.2	4
18	Surface shape estimation from photometric images. Optics and Lasers in Engineering, 2004, 42, 461-468.	2.0	3

#	ARTICLE	IF	CITATIONS
19	<title>The size-of-source effect in practical measurements of radiance</title>. , 2004, , .		3
20	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
21	A New Method for Measuring Scattering of Light from Optical Surfaces with Random Roughness. Optical and Quantum Electronics, 1998, 30, 181-186.	1.5	2
22	Scattering loss measurements of evaporated slab waveguides of SiO_2 and NdF_3 using a prism coupler and angle-limited integrated scattering. Optical Engineering, 2000, 39, 558.	0.5	2
23	Maxwell equations and the k function. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2000, 17, 1469.	0.8	1
24	Complete Sensitivity Analysis in a LiDAR-Camera Calibration Model. Journal of Computing and Information Science in Engineering, 2016, 16, .	1.7	1
25	Performance evaluation of a portable 3D vision coordinate measuring system. Automatika, 2017, 58, 253-265.	1.2	1
26	Automobile indexation from 3D point clouds of urban scenarios. Automatika, 2021, 62, 311-318.	1.2	1
27	Novel illumination geometry for color measurements in textile samples. , 2004, , .		1
28	A Double Layer Background Model to Detect Unusual Events. , 2007, , 406-416.		1
29	Diffraction patterns in Fresnel approximation of periodic objects for a colorimeter of two apertures. , 2004, , .		0
30	Series representation of the instrument function of a two-aperture radiometer. , 2004, , .		0
31	Radiation pyrometric measurements with distance-to-the-source effect and size-of-the-source effect corrections. , 2004, 5526, 266.		0
32	<title>Reproducibility improvement in color measurements of periodic objects</title>. , 2004, , .		0
33	Optical fiber sensors applications to the wear detection and fracture of cutting tools. , 2005, , .		0
34	Numerical calculation of the Fresnel diffraction patterns for periodic objects in measurements with a two-aperture radiometer. Optical Engineering, 2006, 45, 036402.	0.5	0
35	An ESPI technique based on panoramic interferometry with paraboloid mirrors. , 2008, , .		0
36	A proposal to solve the problem of lack of concordance in the measurement of temperature when using different radiators. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
37	Variation of optical polarization in reflected light by redistribution of electric charge in metals. , 2011, , .		0
38	Traffic infraestructure inventory system by analyses images. Proceedings of SPIE, 2011, , .	0.8	0
39	Homogeneity measurements of hardness standards with a nondestructive optical method. , 2012, , .		0
40	Mobile remote sensing platform: An uncertainty calibration analysis. , 2014, , .		0
41	Three-dimensional terrestrial reconstruction system: Calibration and error propagation approach. , 2015, , .		0
42	Estimation of the Elastic Properties of Polymer Plates Using a Structured Light Technique. Experimental Mechanics, 2015, 55, 1465-1474.	1.1	0
43	Design of a radiance meter with predicted size of source and distance effects. Proceedings of SPIE, 2016, , .	0.8	0
44	Spectral response of photopic instruments with traceability to lamps. Proceedings of SPIE, 2010, , .	0.8	0
45	Positioning system for 3D scans inside objects. Revista Internacional De Metodos Numericos Para Calculo Y Diseno En Ingenieria, 2018, 35, .	0.1	0
46	Calibration of a panoramic 3D reconstruction system. IET Image Processing, 2019, 13, 1006-1015.	1.4	0
47	Using mobile laser scanner and imagery for urban management applications. IAES International Journal of Robotics and Automation, 2022, 11, 89.	0.2	0