Hugo JimÃ©nez-HernÃ¡ndez

List of Publications by Year
in descending order

45 papers	297 citations	8 h-index 1163117	16 g-index 940533
45 all docs	45 docs citations	45 times ranked	481 citing authors

#	Article	IF	Citations
1	LIDAR Velodyne HDL-64E Calibration Using Pattern Planes. International Journal of Advanced Robotic Systems, 2011, 8, 59.	2.1	81
2	Estimated Glomerular Filtration Rate in Renal Transplantation. Transplantation, 2015, 99, 2625-2633.	1.0	30
3	A New Adaptive Self-Tuning Fourier Coefficients Algorithm for Periodic Torque Ripple Minimization in Permanent Magnet Synchronous Motors (PMSM). Sensors, 2013, 13, 3831-3847.	3.8	24
4	A multiple camera calibration and point cloud fusion tool for Kinect V2. Science of Computer Programming, 2017, 143, 1-8.	1.9	22
5	Background Subtraction Approach Based on Independent Component Analysis. Sensors, 2010, 10, 6092-6114.	3.8	20
6	Detecting Abnormal Vehicular Dynamics at Intersections Based on an Unsupervised Learning Approach and a Stochastic Model. Sensors, 2010, 10, 7576-7601.	3.8	12
7	Higher order sliding mode based impedance control for dual-user bilateral teleoperation under unknown constant time delay. , 2015, , .		12
8	FPGA-Based Data Storage System on NAND Flash Memory in RAID 6 Architecture for In-Line Pipeline Inspection Gauges. IEEE Transactions on Computers, 2018, 67, 1046-1053.	3.4	10
9	A Simple Method to Measure Renal Function in Swine by the Plasma Clearance of Iohexol. International Journal of Molecular Sciences, 2018, 19, 232.	4.1	10
10	Framework for characterizing circularity based on a probability distribution. Measurement: Journal of the International Measurement Confederation, 2013, 46, 4232-4243.	5.0	9
11	Low-bandwidth 3D visual telepresence system. Multimedia Tools and Applications, 2019, 78, 21273-21290.	3.9	8
12	A New Measure of Circularity Based on Distribution of the Radius. Computacion Y Sistemas, 2013, 17, 515-526.	0.3	8
13	Multiple Kinect V2 Calibration. Automatika, 2016, 57, 810-821.	2.0	7
14	Temporal Templates for Detecting the Trajectories of Moving Vehicles. Lecture Notes in Computer Science, 2009, , 485-493.	1.3	5
15	Detecting Unusual Activities at Vehicular Intersections. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	4
16	Transparent Higher Order Sliding Mode Control for Nonlinear Master-Slave Systems without Velocity Measurement. International Journal of Advanced Robotic Systems, 2015, 12, 28.	2.1	4
17	Accurate 3D Reconstruction using a Turntable-based and Telecentric Vision. Automatika, 2015, 56, 508-521.	2.0	4
18	Detecting background and foreground with a laser array system. Measurement: Journal of the International Measurement Confederation, 2015, 63, 195-206.	5.0	4

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19	Design and Construction of a Didactic 3-DOF Parallel Links Robot Station with a 1-DOF Gripper. Journal of Applied Research and Technology, 2014, 12, 435-443.	0.9	3
20	Toward implementation of associative model in real time for character recognition: A hardware architecture proposal for embedded systems. International Journal of Circuit Theory and Applications, 2018, 46, 1723.	2.0	3
21	Estimation of disparity maps through an evolutionary algorithm and global image features as descriptors. Expert Systems With Applications, 2021, 165, 113900.	7.6	3
22	Robust higher order sliding mode based impedance control for dual-user teleoperation under unknown constant time delay. , 2014, , .		2
23	Modelling dynamics with context-free grammars. Proceedings of SPIE, 2014, , .	0.8	2
24	A framework for the generation and management of self-adaptive enterprise applications. , 2015, , .		2
25	ICA-based background subtraction method for an FPGA-SoC. IS&T International Symposium on Electronic Imaging, 2017, 29, 36-41.	0.4	2
26	A Probabilistic Measure of Circularity. Lecture Notes in Computer Science, 2012, , 75-89.	1.3	2
27	Displacement Estimation in Micro-photographies through Genetic Algorithm. Research in Computing Science, 2016, 127, 167-175.	0.1	1
28	ANÃLISIS DE CURVATURA PARA LA RECONSTRUCCIÃ"N DEL TENDIDO DE TUBERÃA, MEDIANTE EQUIPO INSTRUMENTADO CON ULTRASONIDO. Dyna (Spain), 2016, 91, 204-29.	0.2	1
29	Dynamic Selection of Characteristics for Feature Based Image Sequence Stabilization. Lecture Notes in Computer Science, 2008, , 290-297.	1.3	1
30	A Double Layer Background Model to Detect Unusual Events. , 2007, , 406-416.		1
31	Toward Visually Inferring the Underlying Causal Mechanism in a Traffic-Light-Controlled Crossroads. Lecture Notes in Computer Science, 2006, , 956-965.	1.3	0
32	A New Approach for Measuring the Distribution of Graphite Nodules Based on Singular Value Decomposition. , 2011, , .		0
33	Background Subtraction Model Based on Adaptable MOG. , 2012, , .		0
34	Associative Memory Model Based in ICA Approach to Human Faces Recognition. , 0, , .		0
35	Detection and Measurement of the Intracellular Calcium Variation in Follicular Cells. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-10.	1.3	0
36	Aerial surveillance based on hierarchical object classification for ground target detection. Proceedings of SPIE, 2015, , .	0.8	0

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37	Toward creation of interaction models: simple objects-interaction approach. , 2015, , .		0
38	Tracking and Estimating Tridimensional Position Through Camera-PT Array. IS&T International Symposium on Electronic Imaging, 2016, 2016, 1-7.	0.4	0
39	Visual Knowledge feedback through multi-camera system aided by Augmented Reality. IS&T International Symposium on Electronic Imaging, 2016, 28, 1-7.	0.4	0
40	Toward image registration process: Using different interpolation methods in case of subpixel displacement. Proceedings of SPIE, 2016, , .	0.8	0
41	A framework for developing associative classifiers based on ICA. Engineering Applications of Artificial Intelligence, 2017, 58, 88-100.	8.1	0
42	A Linear Criterion to sort Color Components in Images. Ingenieria E Investigacion, 2017, 37, 91.	0.4	0
43	Formal programming language for Modeling Activities using Visual Primitives. , 2018, , .		0
44	Tracking object using a TOF camera using the intensity and depth chanel. , 2019, , .		0
45	AERODYNAMIC AIRFOILS OPTIMAL FITTING BY EVOLUTIONARY PROGRAMMING. Dyna New Technologies, 2022, 9, [14P.]-[14P.].	0.1	0