Hugo JimÃ©nez-HernÃ¡ndez

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	AERODYNAMIC AIRFOILS OPTIMAL FITTING BY EVOLUTIONARY PROGRAMMING. Dyna New Technologies, 2022, 9, [14P.]-[14P.].	0.1	0
2	Estimation of disparity maps through an evolutionary algorithm and global image features as descriptors. Expert Systems With Applications, 2021, 165, 113900.	7.6	3
3	Tracking object using a TOF camera using the intensity and depth chanel. , 2019, , .		0
4	Low-bandwidth 3D visual telepresence system. Multimedia Tools and Applications, 2019, 78, 21273-21290.	3.9	8
5	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
6	Formal programming language for Modeling Activities using Visual Primitives. , 2018, , .		0
7	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
8	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
9	A multiple camera calibration and point cloud fusion tool for Kinect V2. Science of Computer Programming, 2017, 143, 1-8.	1.9	22
10	A framework for developing associative classifiers based on ICA. Engineering Applications of Artificial Intelligence, 2017, 58, 88-100.	8.1	0
11	A Linear Criterion to sort Color Components in Images. Ingenieria E Investigacion, 2017, 37, 91.	0.4	0
12	ICA-based background subtraction method for an FPGA-SoC. IS&T International Symposium on Electronic Imaging, 2017, 29, 36-41.	0.4	2
13	Tracking and Estimating Tridimensional Position Through Camera-PT Array. IS&T International Symposium on Electronic Imaging, 2016, 2016, 1-7.	0.4	0
14	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
15	Toward image registration process: Using different interpolation methods in case of subpixel displacement. Proceedings of SPIE, 2016, , .	0.8	0
16	Displacement Estimation in Micro-photographies through Genetic Algorithm. Research in Computing Science, 2016, 127, 167-175.	0.1	1
17	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
18	Multiple Kinect V2 Calibration. Automatika, 2016, 57, 810-821.	2.0	7

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19	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
20	Estimated Glomerular Filtration Rate in Renal Transplantation. Transplantation, 2015, 99, 2625-2633.	1.0	30
21	Accurate 3D Reconstruction using a Turntable-based and Telecentric Vision. Automatika, 2015, 56, 508-521.	2.0	4
22	Aerial surveillance based on hierarchical object classification for ground target detection. Proceedings of SPIE, 2015, , .	0.8	0
23	Toward creation of interaction models: simple objects-interaction approach. , 2015, , .		0
24	A framework for the generation and management of self-adaptive enterprise applications. , 2015, , .		2
25	Higher order sliding mode based impedance control for dual-user bilateral teleoperation under unknown constant time delay. , 2015, , .		12
26	Detecting background and foreground with a laser array system. Measurement: Journal of the International Measurement Confederation, 2015, 63, 195-206.	5.0	4
27	Robust higher order sliding mode based impedance control for dual-user teleoperation under unknown constant time delay. , 2014, , .		2
28	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
29	Detection and Measurement of the Intracellular Calcium Variation in Follicular Cells. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-10.	1.3	0
30	Modelling dynamics with context-free grammars. Proceedings of SPIE, 2014, , .	0.8	2
31	Framework for characterizing circularity based on a probability distribution. Measurement: Journal of the International Measurement Confederation, 2013, 46, 4232-4243.	5.0	9
32	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
33	A New Measure of Circularity Based on Distribution of the Radius. Computacion Y Sistemas, 2013, 17, 515-526.	0.3	8
34	Background Subtraction Model Based on Adaptable MOG. , 2012, , .		0
35	A Probabilistic Measure of Circularity. Lecture Notes in Computer Science, 2012, , 75-89.	1.3	2
36	A New Approach for Measuring the Distribution of Graphite Nodules Based on Singular Value Decomposition. , 2011, , .		0

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37	LIDAR Velodyne HDL-64E Calibration Using Pattern Planes. International Journal of Advanced Robotic Systems, 2011, 8, 59.	2.1	81
38	Detecting Abnormal Vehicular Dynamics at Intersections Based on an Unsupervised Learning Approach and a Stochastic Model. Sensors, 2010, 10, 7576-7601.	3.8	12
39	Background Subtraction Approach Based on Independent Component Analysis. Sensors, 2010, 10, 6092-6114.	3.8	20
40	Temporal Templates for Detecting the Trajectories of Moving Vehicles. Lecture Notes in Computer Science, 2009, , 485-493.	1.3	5
41	Dynamic Selection of Characteristics for Feature Based Image Sequence Stabilization. Lecture Notes in Computer Science, 2008, , 290-297.	1.3	1
42	Detecting Unusual Activities at Vehicular Intersections. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	4
43	A Double Layer Background Model to Detect Unusual Events. , 2007, , 406-416.		1
44	Toward Visually Inferring the Underlying Causal Mechanism in a Traffic-Light-Controlled Crossroads. Lecture Notes in Computer Science, 2006, , 956-965.	1.3	0
45	Associative Memory Model Based in ICA Approach to Human Faces Recognition. , 0, , .		0