Humberto Loaiza-Correa

List of Publications by Year
in descending order

44	315	1163117	940533
papers	citations	8	16
		h-index	g-index
45	45	45	292
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a biofeedback system using harmonic musical intervals to control heart rate variability with a generative adversarial network. Biomedical Signal Processing and Control, 2022, 71, 103095.	5.7	3
2	Human-computer multimodal interface to internet navigation. Disability and Rehabilitation: Assistive Technology, 2021, 16, 807-820.	2.2	6
3	Can the application of certain music information retrieval methods contribute to the machine learning classification of electrocardiographic signals?. Heliyon, 2021, 7, e06257.	3.2	1
4	Sistema de reconocimiento de voz para controlar la aplicaciÃ³n whatsapp orientado a personas con limitaciones motrices. Revista Lumen Gentium, 2021, 4, 101-115.	0.0	0
5	Dataset of microscope images of prefrontal cortex from wistar rat tissue after an induced stroke for image registration and stitching. Data in Brief, 2021, 36, 107066.	1.0	0
6	Judgement of valence of musical sounds by hand and by heart, a machine learning paradigm for reading the heart. Heliyon, 2021, 7, e07565.	3.2	3
7	Interfaz humano-computador basada en gestos faciales y orientada a la aplicaciÃ³n WhatsApp para personas con limitaciÃ³n motriz de miembros superiores. Tecno LÃ³gicas, 2021, 24, e1722.	0.3	0
8	IntroducciÃ³n a la ClasificaciÃ³n de NeuroseÃ±ales utilizando TÃ©cnicas ClÃ¡sicas y Modernas de Machine Learning en Google Colaboratory [Not available in English]. , 2021, , .		0
9	Segmentation of Thermography Image of Solar Cells and Panels. Communications in Computer and Information Science, 2020, , 1-8.	0.5	4
10	Thermal imaging dataset from composite material academic samples inspected by pulsed thermography. Data in Brief, 2020, 32, 106313.	1.0	18
11	Dataset of thermal and visible aerial images for multi-modal and multi-spectral image registration and fusion. Data in Brief, 2020, 29, 105326.	1.0	8
12	Optimized Gaussian model for non-uniform heating compensation in pulsed thermography. Applied Optics, 2020, 59, 4303.	1.8	6
13	Algorithm For Early Threat Detection By Suspicious Behavior Representation. IEEE Latin America Transactions, 2020, 18, 825-832.	1.6	0
14	Spherical Non-Perceptual Color Space RTP: Identifying Computer Graphics. Computacion Y Sistemas, 2020, 24, .	0.3	0
15	Online learning of contexts for detecting suspicious behaviors in surveillance videos. Image and Vision Computing, 2019, 89, 197-210.	4.5	6
16	Dataset for recognition of snail trails and hot spot failures in monocrystalline Si solar panels. Data in Brief, 2019, 26, 104441.	1.0	12
17	EvaluaciÃ³n del aporte de la covarianza de las seÃ±ales electroencefalogrÃ¡ficas a las interfaces cerebro-computador de imaginaciÃ³n motora para pacientes con lesiones de mÃ©dula espinal. Tecno LÃ³gicas, 2019, 22, 213-231.	0.3	2
18	Interfaz cerebro-computador multimodal para procesos de neurorrehabilitaciÃ³n de miembros superiores en pacientes con lesiones de mÃ©dula espinal: una revisiÃ³n. Revista De Ingenieria Biomedica, 2018, 12, .	0.1	2

#	Article	IF	Citations
19	Expert committee classifier for hand motions recognition from EMG signals. Ingeniare, 2018, 26, 62-71.	0.3	4
20	Different Types of Sounds and Their Relationship With the Electrocardiographic Signals and the Cardiovascular System â€" Review. Frontiers in Physiology, 2018, 9, 525.	2.8	15
21	Identifying facial gestures to emulate a mouse: navigation application on Facebook. IEEE Latin America Transactions, 2017, 15, 121-128.	1.6	14
22	Detection of lies by facial thermal imagery analysis. Revista Facultad De IngenierÃa, 2017, 26, 47-59.	0.2	7
23	Aerial Thermographic Inspection of Photovoltaic Plants: Analysis and Selection of the Equipment. , 2017, , .		4
24	Background Thermal Compensation by Filtering for Contrast Enhancement in Active Thermography. Journal of Nondestructive Evaluation, 2016, 35, 1.	2.4	16
25	Identifying facial gestures to emulate a mouse: Control application in a web browser. , 2016, , .		0
26	Classical and neural models for binocular stereoscopic reconstruction. , 2015, , .		0
27	A real-time multispectral computer vision system for morpho-thermal analysis of footprint plantar. IEEE Latin America Transactions, 2015, 13, 2680-2686.	1.6	2
28	IMPLEMENTACIÃ"N EN FPGA DE UN CLASIFICADOR DE MOVIMIENTOS DE LA MANO USANDO SEÃ'ALES EMG. Redes De IngenierÃa, 2015, 6, 85.	0.0	4
29	Locally Adapted Gain Control for Reliable Foreground Detection. Lecture Notes in Computer Science, 2015, , 812-823.	1.3	2
30	New 3D Finite Difference Method for Thermal Contrast Enhancement in Slabs Pulsed Thermography Inspection. Journal of Nondestructive Evaluation, 2014, 33, 62.	2.4	8
31	Background thermal compensation by filtering (BTCF) for infrared thermography evaluation. , 2014, , .		1
32	Modelo discreto 3d para mejoramiento del contraste tÃ©rmico y estimaciÃ³n de profundidad de defectos en lÃ¡minas de CFRP.. Ingenieria Y Competitividad, 2014, 16, 143-153.	0.1	2
33	Semiautomatic determination of morphological parameters of footprint plantar by digital image processing. Sistemas Y TelemÃ¡tica, 2013, 11, 9.	0.1	1
34	A model for differential estimation of 3D thermal propagation by finite difference. Sistemas Y TelemÃ¡tica, 2012, 10, 9.	0.1	1
35	Filtrado 3D espacio-temporal iterativo para la atenuaciÃ³n de ruido en secuencias de imÃ¡genes tÃ©rmicas para END. Ingenium, 2012, 6, 27.	0.2	3
36	IMITACION DE GESTOS POR BRAZOS ROBOTICOS: UNA PROPUESTA PARA EVALUAR SU CALIDAD.. Dyna (Spain), 2010, 85, 413-420.	0.2	0

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37	Defect characterization in infrared non-destructive testing with learning machines. NDT and E International, 2009, 42, 630-643.	3.7	31
38	Definition of a new thermal contrast and pulse correction for defect quantification in pulsed thermography. Infrared Physics and Technology, 2008, 51, 160-167.	2.9	75
39	Defect quantification with reference-free thermal contrast and artificial neural networks. , 2007, 6541, 242.		5
40	Images processing and flow measurement applied to the thermographic analysis of heat-losses in boilers' isolation. , 2007, , .		0
41	Selección de personal mediante redes neuronales artificiales. Revista De Matemática: Teoría Y Aplicaciones, 2007, 14, 7-20.	0.1	1
42	Modified Differential Absolute Contrast using Thermal Quadrupoles for the Nondestructive Testing of Finite Thickness Specimens by Infrared Thermography. , 2006, , .		28
43	Phase contrast using a differentiated absolute contrast method. Quantitative InfraRed Thermography Journal, 2006, 3, 219-230.	4.2	13
44	New Advances in Multidimensional Processing for Thermal Image Quality Enhancement. Advances in Civil and Industrial Engineering Book Series, 0, , 202-248.	0.2	4