Guillermo L Kemper

List of Publications by Year
in descending order

47 papers	159 citations	1684188 5 h-index	1281871 11 g-index
49 all docs	49 docs citations	49 times ranked	224 citing authors

#	Article	IF	Citations
1	Robot Arm Control System for Assisted Feeding of People With Disabilities in Their Upper Limbs. , 2022, , .		0
2	A Comparative Study of Deep Learning Techniques Aimed at Detection of Arrhythmias from ECG Signals. Smart Innovation, Systems and Technologies, 2021, , 385-395.	0.6	1
3	An Electronic Equipment with Face Recognition Capacity Oriented to Measuring the Alcoholic Level in People. Communications in Computer and Information Science, 2021, , 181-194.	0.5	0
4	A Low-Complexity Algorithm for Diagnosis of Three-Phase Induction Motors. Smart Innovation, Systems and Technologies, 2021, , 929-948.	0.6	0
5	Correspondence Between TOVA Test Results and Characteristics of EEG Signals Acquired Through the Muse Sensor in Positions AF7â€"AF8. Smart Innovation, Systems and Technologies, 2021, , 111-120.	0.6	1
6	Algorithm Oriented to the Detection of the Level of Blood Filling in Venipuncture Tubes Based on Digital Image Processing. Smart Innovation, Systems and Technologies, 2021, , 3-15.	0.6	0
7	An Algorithm Oriented at Obtaining the Molecular Weight and Concentration of DNA Samples in Agarose Gel Images. Smart Innovation, Systems and Technologies, 2021, , 61-72.	0.6	0
8	A Multispectral Image Compression Algorithm for Small Satellites Based on Wavelet Subband Coding. Smart Innovation, Systems and Technologies, 2021, , 181-191.	0.6	2
9	Algorithm for Detection of Raising Eyebrows and Jaw Clenching Artifacts in EEG Signals Using Neurosky Mindwave Headset. Smart Innovation, Systems and Technologies, 2021, , 99-110.	0.6	1
10	An Algorithm for Automatic Measurement of KI-67 Proliferation Index in Digital Images of Breast Tissue. Advances in Science, Technology and Engineering Systems, 2020, 5, 201-211.	0.5	0
11	A novel algorithm for detection of tuberculosis bacilli in sputum smear fluorescence images. International Journal of Electrical and Computer Engineering, 2020, 10, 5665.	0.7	0
12	A Computational Algorithm Based on Convolutional Neural Networks Aimed at Estimating the MOS Quality Parameter According to the Norm UIT-T P.862. , 2019, , .		0
13	An Algorithm to Obtain Boat Engine RPM from Passive Sonar Signals Based on DEMON Processing and Wavelets Packets Transform. Journal of Electrical Engineering and Technology, 2019, 14, 2505-2521.	2.0	3
14	An Algorithm For Detection of Nutritional Deficiencies from Digital Images of Coffee Leaves Based on Descriptors and Neural Networks. , 2019, , .		4
15	A neural-network based algorithm oriented to identifying the damage degree caused by the Meloidogyne Incognita Nematode in Digital Images of Vegetable Roots. , 2019, , .		1
16	An Electronic Equipment for Automatic Detection of Mycobacteria in MGIT Cultures Based on Digital Image Processing. , 2019, , .		0
17	A Wireless Communication Device Based on Lora Module Aimed at Detecting Rectilinear Proximity Between Vehicles. , 2019, , .		3
18	A Sociometric Sensor Based on Proximity, Movement and Verbal Interaction Detection. , 2019, , .		4

#	Article	IF	Citations
19	An Algorithm to Measure the Stress Level from EEG, EMG and HRV Signals. , 2019, , .		2
20	Measuring the Level of Mildew in Quinoa Plantations Based on Digital Image Processing. , 2019, , 43-54.		1
21	Implementation of a Digital Image Processing Algorithm on a Colibri IMX6 Embedded Industrial System for Optical Mark Recognition. , 2019, , 9-22.		0
22	An Algorithm for Plant Disease Visual Symptom Detection in Digital Images Based on Superpixels. International Journal on Advanced Science, Engineering and Information Technology, 2019, 9, 194-203.	0.4	14
23	Evaluation of microbiological variants of sputum processing and concentration of mycobacteria to optimize the microscopic and imaging diagnosis of tuberculosis. International Journal of Mycobacteriology, 2019, 8, 75.	0.6	5
24	Geometric Characterization of Yagi Antenna Using Digital Image Processing. Smart Innovation, Systems and Technologies, 2019, , 241-249.	0.6	0
25	An Algorithm to Obtain the QRS Score Based on ECG Parameters Detection and Neural Networks for Confounder Classification. Smart Innovation, Systems and Technologies, 2019, , 201-211.	0.6	0
26	A Method for Mosaicking Aerial Images based on Flight Trajectory and the Calculation of Symmetric Transfer Error per Inlier. Advances in Science, Technology and Engineering Systems, 2019, 4, 328-338.	0.5	2
27	An algorithm for detection of tuberculosis bacilli in Ziehl-Neelsen sputum smear images. International Journal of Electrical and Computer Engineering, 2019, 9, 2968.	0.7	5
28	An Algorithm to Extract Physical Characteristics of Nematodes from Microscopic Images of Plant Roots. , 2018, , .		1
29	An Electronic Equipment for Automatic Insulin Dosage Based on Digital Image Processing. , 2018, , .		1
30	An algorithm for feature extraction and detection of pulmonary nodules in digital radiographic images. , 2018, , .		2
31	A Fuzzy Logic Controller to Calibrate Color Parameters of a Microscope Camera in Order to Improve Safranin Detection in Digital Images. , 2018, , .		0
32	An auto-configuring mesh protocol with proactive source routing for Bluetooth Low Energy. International Journal of Internet Technology and Secured Transactions, 2018, 8, 25.	0.4	1
33	An Automatic System Oriented to Counting and Measuring the Geometric Dimensions of Gray Tilapia Fingerlings Based on Digital Image Processing. , 2018, , .		0
34	A Smartphone-Enabled, Portable and Stand-Alone Fluorescence Quantitation System. , 2018, , .		0
35	A Visible Fluorescence Method Induced by UV Radiation for Detection of Infestation in Canary Beans. , 2018, , .		0
36	Automatic Segmentation of Mauritia flexuosa in Unmanned Aerial Vehicle (UAV) Imagery Using Deep Learning. Forests, 2018, 9, 736.	2.1	62

#	Article	IF	Citations
37	A Bluetooth Low Energy mesh network auto-configuring Proactive Source Routing protocol. , 2017, , .		7
38	A Novel Steganography Technique for SDTV-H.264/AVC Encoded Video. International Journal of Digital Multimedia Broadcasting, 2016, 2016, 1-9.	0.6	7
39	Un método automático de extracción de información de imágenes digitales basado en la detección de posicionamiento de marcas ópticas a partir de distancias euclidianas y redes neuronales. Campus, 2016, 21, 109-121.	0.1	1
40	A biometric method based on the matching of dilated and skeletonized IR images of the veins map of the dorsum of the hand. IEEE Latin America Transactions, 2015, 13, 1438-1445.	1.6	6
41	Landscape units estimation in WorldView-2 images by using segmented urban areas, green areas and water bodies for monitoring variation/evolution of cities. , 2015, , .		2
42	One Channel Subvocal Speech Phrases Recognition Using Cumulative Residual Entropy and Support Vector Machines. IEEE Latin America Transactions, 2015, 13, 2135-2143.	1.6	4
43	A Detection Method of Ectocervical Cell Nuclei for Pap test Images, Based on Adaptive Thresholds and Local Derivatives. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 37-50.	0.4	5
44	Identification and cadastral registration of water bodies through multispectral image processing with multi-layer Perceptron Neural Network. , 2014, , .		2
45	Coverage and service testing of Terrestrial television systems: Practical aspects. , 2011, , .		0
46	An Audio Compression Method Based on Wavelets Subband Coding. IEEE Latin America Transactions, 2011, 9, 610-621.	1.6	8
47	Un algoritmo de control de activación de módulos GPS para fines de ahorro de energía en dispositivos portátiles orientados a estudios epidemiológicos. , 0, , .		0