

Guillermo L Kemper

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6128424/publications.pdf>

Version: 2024-02-01

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	Automatic Segmentation of <i>Mauritia flexuosa</i> in Unmanned Aerial Vehicle (UAV) Imagery Using Deep Learning. <i>Forests</i> , 2018, 9, 736.	2.1	62
2	An Algorithm for Plant Disease Visual Symptom Detection in Digital Images Based on Superpixels. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2019, 9, 194-203.	0.4	14
3	An Audio Compression Method Based on Wavelets Subband Coding. <i>IEEE Latin America Transactions</i> , 2011, 9, 610-621.	1.6	8
4	A Novel Steganography Technique for SDTV-H.264/AVC Encoded Video. <i>International Journal of Digital Multimedia Broadcasting</i> , 2016, 2016, 1-9.	0.6	7
5	A Bluetooth Low Energy mesh network auto-configuring Proactive Source Routing protocol. , 2017, , .		7
6	A biometric method based on the matching of dilated and skeletonized IR images of the veins map of the dorsum of the hand. <i>IEEE Latin America Transactions</i> , 2015, 13, 1438-1445.	1.6	6
7	A Detection Method of Ectocervical Cell Nuclei for Pap test Images, Based on Adaptive Thresholds and Local Derivatives. <i>International Journal of Multimedia and Ubiquitous Engineering</i> , 2015, 10, 37-50.	0.4	5
8	Evaluation of microbiological variants of sputum processing and concentration of mycobacteria to optimize the microscopic and imaging diagnosis of tuberculosis. <i>International Journal of Mycobacteriology</i> , 2019, 8, 75.	0.6	5
9	An algorithm for detection of tuberculosis bacilli in Ziehl-Neelsen sputum smear images. <i>International Journal of Electrical and Computer Engineering</i> , 2019, 9, 2968.	0.7	5
10	One Channel Subvocal Speech Phrases Recognition Using Cumulative Residual Entropy and Support Vector Machines. <i>IEEE Latin America Transactions</i> , 2015, 13, 2135-2143.	1.6	4
11	An Algorithm For Detection of Nutritional Deficiencies from Digital Images of Coffee Leaves Based on Descriptors and Neural Networks. , 2019, , .		4
12	A Sociometric Sensor Based on Proximity, Movement and Verbal Interaction Detection. , 2019, , .		4
13	An Algorithm to Obtain Boat Engine RPM from Passive Sonar Signals Based on DEMON Processing and Wavelets Packets Transform. <i>Journal of Electrical Engineering and Technology</i> , 2019, 14, 2505-2521.	2.0	3
14	A Wireless Communication Device Based on Lora Module Aimed at Detecting Rectilinear Proximity Between Vehicles. , 2019, , .		3
15	Identification and cadastral registration of water bodies through multispectral image processing with multi-layer Perceptron Neural Network. , 2014, , .		2
16	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
17	An algorithm for feature extraction and detection of pulmonary nodules in digital radiographic images. , 2018, , .		2
18	An Algorithm to Measure the Stress Level from EEG, EMG and HRV Signals. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	A Method for Mosaicking Aerial Images based on Flight Trajectory and the Calculation of Symmetric Transfer Error per Inlier. <i>Advances in Science, Technology and Engineering Systems</i> , 2019, 4, 328-338.	0.5	2
20	A Multispectral Image Compression Algorithm for Small Satellites Based on Wavelet Subband Coding. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 181-191.	0.6	2
21	An Algorithm to Extract Physical Characteristics of Nematodes from Microscopic Images of Plant Roots. , 2018, , .		1
22	An Electronic Equipment for Automatic Insulin Dosage Based on Digital Image Processing. , 2018, , .		1
23	An auto-configuring mesh protocol with proactive source routing for Bluetooth Low Energy. <i>International Journal of Internet Technology and Secured Transactions</i> , 2018, 8, 25.	0.4	1
24	A neural-network based algorithm oriented to identifying the damage degree caused by the <i>Meloidogyne Incognita</i> Nematode in Digital Images of Vegetable Roots. , 2019, , .		1
25	Measuring the Level of Mildew in Quinoa Plantations Based on Digital Image Processing. , 2019, , 43-54.		1
26	A Comparative Study of Deep Learning Techniques Aimed at Detection of Arrhythmias from ECG Signals. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 385-395.	0.6	1
27	Correspondence Between TOVA Test Results and Characteristics of EEG Signals Acquired Through the Muse Sensor in Positions AF7â€AF8. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 111-120.	0.6	1
28	Un mÃ©todo automÃ¡tico de extracciÃ³n de informaciÃ³n de imÃ¡genes digitales basado en la detecciÃ³n de posicionamiento de marcas Ã³pticas a partir de distancias euclidianas y redes neuronales. <i>Campus</i> , 2016, 21, 109-121.	0.1	1
29	Algorithm for Detection of Raising Eyebrows and Jaw Clenching Artifacts in EEG Signals Using Neurosky Mindwave Headset. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 99-110.	0.6	1
30	Coverage and service testing of Terrestrial television systems: Practical aspects. , 2011, , .		0
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 Automatic System Oriented to Counting and Measuring the Geometric Dimensions of Gray Tilapia Fingerlings Based on Digital Image Processing. , 2018, , .		0
33	A Smartphone-Enabled, Portable and Stand-Alone Fluorescence Quantitation System. , 2018, , .		0
34	A Visible Fluorescence Method Induced by UV Radiation for Detection of Infestation in Canary Beans. , 2018, , .		0
35	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
36	An Electronic Equipment for Automatic Detection of Mycobacteria in MGIT Cultures Based on Digital Image Processing. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
37	Implementation of a Digital Image Processing Algorithm on a Colibri IMX6 Embedded Industrial System for Optical Mark Recognition. , 2019, , 9-22.		0
38	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
39	A Low-Complexity Algorithm for Diagnosis of Three-Phase Induction Motors. Smart Innovation, Systems and Technologies, 2021, , 929-948.	0.6	0
40	Geometric Characterization of Yagi Antenna Using Digital Image Processing. Smart Innovation, Systems and Technologies, 2019, , 241-249.	0.6	0
41	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
42	Un algoritmo de control de activaci3n de m3dulos GPS para fines de ahorro de energ3a en dispositivos port3tiles orientados a estudios epidemiol3gicos. , 0, , .		0
43	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
44	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
45	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
46	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
47	Robot Arm Control System for Assisted Feeding of People With Disabilities in Their Upper Limbs. , 2022, , .		0