

Hamurabi Gamboa-Rosales

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

370
citations

11
h-index

17
g-index

70
ext. papers

581
ext. citations

2.3
avg, IF

3.78
L-index

#	Paper	IF	Citations
59	Comparison of Convolutional Neural Network Architectures for Classification of Tomato Plant Diseases. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1245	2.6	53
58	Image Edge Detection Using Fractional Calculus with Feature and Contrast Enhancement. <i>Circuits, Systems, and Signal Processing</i> , 2018 , 37, 3946-3972	2.2	29
57	Speed Bump Detection Using Accelerometric Features: A Genetic Algorithm Approach. <i>Sensors</i> , 2018 , 18,	3.8	29
56	Persistence of COVID-19 Symptoms after Recovery in Mexican Population. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	25
55	Deep Artificial Neural Networks for the Diagnostic of Caries Using Socioeconomic and Nutritional Features as Determinants: Data from NHANES 2013?2014. <i>Bioengineering</i> , 2018 , 5,	5.3	19
54	Understanding the intellectual structure and evolution of Competitive Intelligence: a bibliometric analysis from 1984 to 2017. <i>Technology Analysis and Strategic Management</i> , 2020 , 32, 604-619	3.2	17
53	Texting & Driving Detection Using Deep Convolutional Neural Networks. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2962	2.6	15
52	A new class of discrete orthogonal polynomials for blind fitting of finite data. <i>Signal Processing</i> , 2013 , 93, 1785-1793	4.4	13
51	An Analysis of Audio Features to Develop a Human Activity Recognition Model Using Genetic Algorithms, Random Forests, and Neural Networks. <i>Mobile Information Systems</i> , 2016 , 2016, 1-10	1.4	12
50	Feature Extraction in Motor Activity Signal: Towards a Depression Episodes Detection in Unipolar and Bipolar Patients. <i>Diagnostics</i> , 2019 , 9,	3.8	12
49	Contralateral asymmetry for breast cancer detection: A CADx approach. <i>Biocybernetics and Biomedical Engineering</i> , 2018 , 38, 115-125	5.7	11
48	Multi-factor authentication model based on multipurpose speech watermarking and online speaker recognition. <i>Multimedia Tools and Applications</i> , 2017 , 76, 7251-7281	2.5	9
47	Comparison of Night, Day and 24 h Motor Activity Data for the Classification of Depressive Episodes. <i>Diagnostics</i> , 2020 , 10,	3.8	9
46	Robust Digital Speech Watermarking For Online Speaker Recognition. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-12	1.1	9
45	Visualizing the Intellectual Structure and Evolution of Intelligent Transportation Systems: A Systematic Analysis of Research Themes and Trends. <i>Sustainability</i> , 2020 , 12, 8759	3.6	8
44	Feature Selection Using Genetic Algorithms for the Generation of a Recognition and Classification of Children Activities Model Using Environmental Sound. <i>Mobile Information Systems</i> , 2020 , 2020, 1-12	1.4	7
43	A new recursive scheme of the unbiased FIR filter to image processing. <i>Procedia Engineering</i> , 2012 , 35, 202-209		7

42	La relaci3n entre Inteligencia de Negocio e Inteligencia Competitiva: un an3lisis retrospectivo y bibliom3trico de la literatura de 1959 a 2017. <i>Revista Espanola De Documentacion Cientifica</i> , 2020 , 43, 256	0.7	7
41	Identification of Diabetic Patients through Clinical and Para-Clinical Features in Mexico: An Approach Using Deep Neural Networks. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	6
40	Speaker Frame Selection for Digital Speech Watermarking. <i>The National Academy of Sciences, India</i> , 2016 , 39, 197-201	0.6	6
39	Depression Episodes Detection in Unipolar and Bipolar Patients: A Methodology with Feature Extraction and Feature Selection with Genetic Algorithms Using Activity Motion Signal as Information Source. <i>Mobile Information Systems</i> , 2019 , 2019, 1-12	1.4	5
38	Optimization of a Blind Speech Watermarking Technique against Amplitude Scaling. <i>Security and Communication Networks</i> , 2017 , 2017, 1-13	1.9	5
37	Multivariate Feature Selection of Image Descriptors Data for Breast Cancer with Computer-Assisted Diagnosis. <i>Diagnostics</i> , 2017 , 7,	3.8	5
36	Bark scaled oversampled WPT based speech recognition enhancement in noisy environments. <i>International Journal of Speech Technology</i> , 2020 , 23, 1-12	1.3	5
35	Estimation of Indoor Location Through Magnetic Field Data: An Approach Based On Convolutional Neural Networks. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 226	2.9	4
34	Enhanced image fusion using directional contrast rules in fuzzy transform domain. <i>SpringerPlus</i> , 2016 , 5, 1846		4
33	Semifragile Speech Watermarking Based on Least Significant Bit Replacement of Line Spectral Frequencies. <i>Mathematical Problems in Engineering</i> , 2017 , 2017, 1-9	1.1	3
32	[25]A Similarity Analysis of Audio Signal to Develop a Human Activity Recognition Using Similarity Networks. <i>Sensors</i> , 2017 , 17,	3.8	3
31	Robust Recognition of English Speech in Noisy Environments Using Frequency Warped Signal Processing. <i>The National Academy of Sciences, India</i> , 2018 , 41, 15-22	0.6	3
30	GUAS DE DISEO PARA FRONT-END DE SISTEMAS INFOTAINMENT 2018 , 5, [9 p.]-[9 p.]		3
29	Automatic Evaluation of Heart Condition According to the Sounds Emitted and Implementing Six Classification Methods. <i>Healthcare (Switzerland)</i> , 2021 , 9,	3.4	3
28	Sensitivity and Variability Analysis for Image Denoising Using Maximum Likelihood Estimation of Exponential Distribution. <i>Circuits, Systems, and Signal Processing</i> , 2018 , 37, 3903-3926	2.2	2
27	A Case?Control Study of Socio-Economic and Nutritional Characteristics as Determinants of Dental Caries in Different Age Groups, Considered as Public Health Problem: Data from NHANES 2013?2014. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	2
26	A Generalized Model for Indoor Location Estimation Using Environmental Sound from Human Activity Recognition. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 81	2.9	2
25	Digital Speech Watermarking Based on Linear Predictive Analysis and Singular Value Decomposition. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2017 , 87, 433-446	0.9	2

24	In-Vehicle Alcohol Detection Using Low-Cost Sensors and Genetic Algorithms to Aid in the Drinking and Driving Detection. <i>Sensors</i> , 2021 , 21,	3.8	2
23	Univariate Analysis of Short-Chain Fatty Acids Related to Sudden Infant Death Syndrome. <i>Diagnostics</i> , 2020 , 10,	3.8	2
22	6D-Chaotic System and 2D Fractional Discrete Cosine Transform Based Encryption of Biometric Templates. <i>IEEE Access</i> , 2021 , 9, 103056-103074	3.5	2
21	Bibliometric Network Analysis to Identify the Intellectual Structure and Evolution of the Big Data Research Field. <i>Lecture Notes in Computer Science</i> , 2018 , 113-120	0.9	2
20	A Fuzzy Optimization Technique for Multi-Objective Aspirational Level Fractional Transportation Problem. <i>Symmetry</i> , 2021 , 13, 1465	2.7	2
19	A new class of discrete orthogonal polynomials for blind fitting of finite data 2013 ,		1
18	Deep artificial neural network based on environmental sound data for the generation of a children activity classification model. <i>PeerJ Computer Science</i> , 2020 , 6, e308	2.7	1
17	Auditory driven subband speech enhancement for automatic recognition of noisy speech. <i>International Journal of Speech Technology</i> , 2016 , 19, 869-880	1.3	1
16	Distal Symmetric Polyneuropathy Identification in Type 2 Diabetes Subjects: A Random Forest Approach. <i>Healthcare (Switzerland)</i> , 2021 , 9,	3.4	1
15	Multimodal Early Alzheimer's Detection, a Genetic Algorithm Approach with Support Vector Machines. <i>Healthcare (Switzerland)</i> , 2021 , 9,	3.4	1
14	Alcohol Detection in a Car's Cab Using MQ3 and First Approaches to Sensing: Laboratory Tests. <i>Communications in Computer and Information Science</i> , 2019 , 73-84	0.3	0
13	Modified PCA Transformation with LWT for High-Resolution based Image Fusion. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2019 , 43, 141-157	1.9	0
12	Redesigning the User Interface of a Learning Platform for Social Engineering Integrating Web Accessibility Basics. <i>Advances in Educational Technologies and Instructional Design Book Series</i> , 2020 , 184-203	0.3	0
11	Autonomous Driving: Obtaining Direction Commands by Classifying Images Within a Simulation Platform. <i>Communications in Computer and Information Science</i> , 2020 , 30-41	0.3	0
10	A Bibliometric Analysis of the Professional Skills in the Scientific Journals of Project Management. <i>Lecture Notes in Management and Industrial Engineering</i> , 2021 , 147-158	0.3	0
9	Desktop Application for Water Quality Prediction and Monitoring System Using ISO 9241-210 and Machine Learning Techniques. <i>Communications in Computer and Information Science</i> , 2021 , 44-57	0.3	0
8	C*-Algebra Valued Modular G-Metric Spaces with Applications in Fixed Point Theory. <i>Symmetry</i> , 2021 , 13, 2003	2.7	0
7	An Empiric Study of the Use of Mobile Technology by Users with Intellectual Disability. <i>Communications in Computer and Information Science</i> , 2019 , 29-43	0.3	0

6	Prevention of Diabetes Mellitus Through the Use of Mobile Technology (mHealth): Case Study. <i>Communications in Computer and Information Science</i> , 2019 , 299-313	0.3
5	Children Detection on Passenger Seat Using UCD and IDP: An Initial Prototype. <i>Communications in Computer and Information Science</i> , 2019 , 138-149	0.3
4	Evaluation of Linked Determinants Between Diabetes and Caries. <i>IFMBE Proceedings</i> , 2020 , 777-783	0.2
3	A Methodological Process for the Design of Frameworks Oriented to Infotainment User Interfaces. <i>Sustainability</i> , 2021 , 13, 5982	3.6
2	Breastfeeding and Caries. A Relationship Analysis to Develop a Computer-Assisted Diagnosis Using Random Forest. <i>Lecture Notes in Computer Science</i> , 2021 , 325-334	0.9
1	Lambertian Luminous Intensity Radiation Pattern Analysis in OLOS Indoor Propagation for Better Connectivity. <i>Wireless Communications and Mobile Computing</i> , 2022 , 2022, 1-11	1.9