Hamurabi Gamboa-Rosales

List of Publications by Year
in descending order

68 papers	766 citations	623574 14 h-index	580701 25 g-index
70 all docs	70 docs citations	70 times ranked	743 citing authors

#	Article	IF	Citations
1	Comparison of Convolutional Neural Network Architectures for Classification of Tomato Plant Diseases. Applied Sciences (Switzerland), 2020, 10, 1245.	1.3	131
2	Speed Bump Detection Using Accelerometric Features: A Genetic Algorithm Approach. Sensors, 2018, 18, 443.	2.1	61
3	Persistence of COVID-19 Symptoms after Recovery in Mexican Population. International Journal of Environmental Research and Public Health, 2020, 17, 9367.	1.2	51
4	Image Edge Detection Using Fractional Calculus with Feature and Contrast Enhancement. Circuits, Systems, and Signal Processing, 2018, 37, 3946-3972.	1.2	44
5	Understanding the intellectual structure and evolution of Competitive Intelligence: a bibliometric analysis from 1984 to 2017. Technology Analysis and Strategic Management, 2020, 32, 604-619.	2.0	39
6	Deep Artificial Neural Networks for the Diagnostic of Caries Using Socioeconomic and Nutritional Features as Determinants: Data from NHANES 2013â€"2014. Bioengineering, 2018, 5, 47.	1.6	30
7	Feature Extraction in Motor Activity Signal: Towards a Depression Episodes Detection in Unipolar and Bipolar Patients. Diagnostics, 2019, 9, 8.	1.3	26
8	Visualizing the Intellectual Structure and Evolution of Intelligent Transportation Systems: A Systematic Analysis of Research Themes and Trends. Sustainability, 2020, 12, 8759.	1.6	26
9	â€œTexting & Drivingâ€•Detection Using Deep Convolutional Neural Networks. Applied Sciences (Switzerland), 2019, 9, 2962.	1.3	22
10	A new class of discrete orthogonal polynomials for blind fitting of finite data. Signal Processing, 2013, 93, 1785-1793.	2.1	21
11	Comparison of Night, Day and 24 h Motor Activity Data for the Classification of Depressive Episodes. Diagnostics, 2020, 10, 162.	1.3	20
12	Feature Selection Using Genetic Algorithms for the Generation of a Recognition and Classification of Children Activities Model Using Environmental Sound. Mobile Information Systems, 2020, 2020, 1-12.	0.4	18
13	La relaciÃ³n entre Inteligencia de Negocio e Inteligencia Competitiva: un anÃ¡lisis retrospectivo y bibliomÃ©trico de la literatura de 1959 a 2017. Revista Espanola De Documentacion Cientifica, 2020, 43, 256.	0.1	18
14	An Analysis of Audio Features to Develop a Human Activity Recognition Model Using Genetic Algorithms, Random Forests, and Neural Networks. Mobile Information Systems, 2016, 2016, 1-10.	0.4	16
15	Multi-factor authentication model based on multipurpose speech watermarking and online speaker recognition. Multimedia Tools and Applications, 2017, 76, 7251-7281.	2.6	14
16	Contralateral asymmetry for breast cancer detection: A CADx approach. Biocybernetics and Biomedical Engineering, 2018, 38, 115-125.	3.3	14
17	In-Vehicle Alcohol Detection Using Low-Cost Sensors and Genetic Algorithms to Aid in the Drinking and Driving Detection. Sensors, 2021, 21, 7752.	2.1	11
18	A new recursive scheme of the unbiased FIR filter to image processing. Procedia Engineering, 2012, 35, 202-209.	1.2	10

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19	Robust Digital Speech Watermarking For Online Speaker Recognition. Mathematical Problems in Engineering, 2015, 2015, 1-12.	0.6	10
20	Multivariate Feature Selection of Image Descriptors Data for Breast Cancer with Computer-Assisted Diagnosis. Diagnostics, 2017, 7, 9.	1.3	10
21	Distal Symmetric Polyneuropathy Identification in Type 2 Diabetes Subjects: A Random Forest Approach. Healthcare (Switzerland), 2021, 9, 138.	1.0	10
22	Enhanced image fusion using directional contrast rules in fuzzy transform domain. SpringerPlus, 2016, 5, 1846.	1.2	9
23	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. Mobile Information Systems, 2019, 2019, 1-12.	0.4	9
24	Identification of Diabetic Patients through Clinical and Para-Clinical Features in Mexico: An Approach Using Deep Neural Networks. International Journal of Environmental Research and Public Health, 2019, 16, 381.	1.2	9
25	Bark scaled oversampled WPT based speech recognition enhancement in noisy environments. International Journal of Speech Technology, 2020, 23, 1-12.	1.4	9
26	Speaker Frame Selection for Digital Speech Watermarking. The National Academy of Sciences, India, 2016, 39, 197-201.	0.8	8
27	6D-Chaotic System and 2D Fractional Discrete Cosine Transform Based Encryption of Biometric Templates. IEEE Access, 2021, 9, 103056-103074.	2.6	8
28	Optimization of a Blind Speech Watermarking Technique against Amplitude Scaling. Security and Communication Networks, 2017, 2017, 1-13.	1.0	7
29	Bibliometric Network Analysis to Identify the Intellectual Structure and Evolution of the Big Data Research Field. Lecture Notes in Computer Science, 2018, , 113-120.	1.0	7
30	Estimation of Indoor Location Through Magnetic Field Data: An Approach Based On Convolutional Neural Networks. ISPRS International Journal of Geo-Information, 2020, 9, 226.	1.4	7
31	Digital Speech Watermarking Based on Linear Predictive Analysis and Singular Value Decomposition. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2017, 87, 433-446.	0.8	6
32	Multimodal Early Alzheimer's Detection, a Genetic Algorithm Approach with Support Vector Machines. Healthcare (Switzerland), 2021, 9, 971.	1.0	6
33	A Fuzzy Optimization Technique for Multi-Objective Aspirational Level Fractional Transportation Problem. Symmetry, 2021, 13, 1465.	1.1	6
34	A Similarity Analysis of Audio Signal to Develop a Human Activity Recognition Using Similarity Networks. Sensors, 2017, 17, 2688.	2.1	5
35	Sensitivity and Variability Analysis for Image Denoising Using Maximum Likelihood Estimation of Exponential Distribution. Circuits, Systems, and Signal Processing, 2018, 37, 3903-3926.	1.2	5
36	Automatic Evaluation of Heart Condition According to the Sounds Emitted and Implementing Six Classification Methods. Healthcare (Switzerland), 2021, 9, 317.	1.0	5

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37	Semifragile Speech Watermarking Based on Least Significant Bit Replacement of Line Spectral Frequencies. Mathematical Problems in Engineering, 2017, 2017, 1-9.	0.6	4
38	Robust Recognition of English Speech in Noisy Environments Using Frequency Warped Signal Processing. The National Academy of Sciences, India, 2018, 41, 15-22.	0.8	4
39	A Generalized Model for Indoor Location Estimation Using Environmental Sound from Human Activity Recognition. ISPRS International Journal of Geo-Information, 2018, 7, 81.	1.4	4
40	Nighttime Depression Episodes Classification using a Formal Method: Knowledge Discovery in Databases. , 2019, , .		4
41	Univariate Analysis of Short-Chain Fatty Acids Related to Sudden Infant Death Syndrome. Diagnostics, 2020, 10, 896.	1.3	4
42	Demographic and Comorbidities Data Description of Population in Mexico with SARS-CoV-2 Infected Patients(COVID19): An Online Tool Analysis. International Journal of Environmental Research and Public Health, 2020, 17, 5173.	1.2	4
43	GUÍAS DE DISEÑO PARA FRONT-END DE SISTEMAS INFOTAINMENT. Dyna New Technologies, 2018, 5, [9 p.]-[9 p.].	0.1	4
44	A new class of discrete orthogonal polynomials for blind fitting of finite data. , 2013, , .		3
45	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. International Journal of Environmental Research and Public Health, 2018, 15, 957.	1.2	3
46	Modified PCA Transformation with LWT for High-Resolution basedÂImage Fusion. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 141-157.	1.5	3
47	Children's Activity Classification for Domestic Risk Scenarios Using Environmental Sound and a Bayesian Network. Healthcare (Switzerland), 2021, 9, 884.	1.0	3
48	Deep artificial neural network based on environmental sound data for the generation of a children activity classification model. PeerJ Computer Science, 2020, 6, e308.	2.7	3
49	Risk-Profile and Feature Selection Comparison in Diabetic Retinopathy. Journal of Personalized Medicine, 2021, 11, 1327.	1.1	3
50	Classification of Depressive and Schizophrenic Episodes Using Night-Time Motor Activity Signal. Healthcare (Switzerland), 2022, 10, 1256.	1.0	3
51	Identification of People with Diabetes Treatment through Lipids Profile Using Machine Learning Algorithms. Healthcare (Switzerland), 2021, 9, 422.	1.0	2
52	Auditory driven subband speech enhancement for automatic recognition of noisy speech. International Journal of Speech Technology, 2016, 19, 869-880.	1.4	1
53	C*-Algebra Valued Modular G-Metric Spaces with Applications in Fixed Point Theory. Symmetry, 2021, 13, 2003.	1.1	1
54	Alcohol Detection in a Car's Cab Using MQ3 and First Approaches to Sensing: Laboratory Tests. Communications in Computer and Information Science, 2019, , 73-84.	0.4	1

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55	A Bibliometric Analysis of the Professional Skills in the Scientific Journals of Project Management. Lecture Notes in Management and Industrial Engineering, 2021, , 147-158.	0.3	1
56	Desktop Application for Water Quality Prediction and Monitoring System Using ISO 9241-210 and Machine Learning Techniques. Communications in Computer and Information Science, 2021, , 44-57.	0.4	1
57	Lambertian Luminous Intensity Radiation Pattern Analysis in OLOS Indoor Propagation for Better Connectivity. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	0.8	1
58	Machine Learning Model Based on Lipidomic Profile Information to Predict Sudden Infant Death Syndrome. Healthcare (Switzerland), 2022, 10, 1303.	1.0	1
59	Kalman Filtering of Noisy Video Tracking Data from Morris Water Maze Tests. , 2018, , .		0
60	Breastfeeding and Caries. A Relationship Analysis to Develop a Computer-Assisted Diagnosis Using Random Forest. Lecture Notes in Computer Science, 2021, , 325-334.	1.0	0
61	A Methodological Process for the Design of Frameworks Oriented to Infotainment User Interfaces. Sustainability, 2021, 13, 5982.	1.6	0
62	Classification of Depressive Episodes Using Nighttime Data: Multivariate and Univariate Analysis. Proceedings of the Institute for System Programming of RAS, 2021, 33, 115-124.	0.1	0
63	EXTRANEOUS COGNITIVE OVERLOAD IN THE BLENDED LEARNING PARADIGM. CASE STUDY: USE OF SOCIAL NETWORKS IN COMPUTER SCIENCE COURSES. , 2016, , .		0
64	An Empiric Study of the Use of Mobile Technology by Users with Intellectual Disability. Communications in Computer and Information Science, 2019, , 29-43.	0.4	0
65	Children Detection on Passenger Seat Using UCD and IDP: An Initial Prototype. Communications in Computer and Information Science, 2019, , 138-149.	0.4	0
66	Desarrollo de un Modelo 3D para un Sistema Infotainment. Revista Colombiana De Computacion, 2020, 21, 56-64.	0.6	0
67	Evaluation of Linked Determinants Between Diabetes and Caries. IFMBE Proceedings, 2020, , 777-783.	0.2	0
68	Redesigning the User Interface of a Learning Platform for Social Engineering Integrating Web Accessibility Basics. Advances in Educational Technologies and Instructional Design Book Series, 2020, , 184-203.	0.2	0