

Cornelio Yanez-Marquez

List of Publications by Citations

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Version: 2024-04-28

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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.

104
papers

739
citations

16
h-index

22
g-index

112
ext. papers

891
ext. citations

2.5
avg, IF

4.52
L-index

#	Paper	IF	Citations
104	Support vector regression for predicting software enhancement effort. <i>Information and Software Technology</i> , 2018 , 97, 99-109	3.4	32
103	A machine learning approach to medical image classification: Detecting age-related macular degeneration in fundus images. <i>Computers and Electrical Engineering</i> , 2019 , 75, 218-229	4.3	32
102	One-hot vector hybrid associative classifier for medical data classification. <i>PLoS ONE</i> , 2014 , 9, e95715	3.7	31
101	Instance-based ontology matching for e-learning material using an associative pattern classifier. <i>Computers in Human Behavior</i> , 2017 , 69, 218-225	7.7	29
100	AlphaBeta bidirectional associative memories: theory and applications. <i>Neural Processing Letters</i> , 2007 , 26, 1-40	2.4	29
99	An associative memory approach to medical decision support systems. <i>Computer Methods and Programs in Biomedicine</i> , 2012 , 106, 287-307	6.9	27
98	A Transfer Learning Method for Pneumonia Classification and Visualization. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2908	2.6	26
97	Predictive accuracy comparison of fuzzy models for software development effort of small programs. <i>Journal of Systems and Software</i> , 2008 , 81, 949-960	3.3	24
96	Exact solutions to solitonic profile mass Schrödinger problem with a modified Pöschl-Teller potential. <i>Modern Physics Letters A</i> , 2016 , 31, 1650017	1.3	23
95	A novel associative model for time series data mining. <i>Pattern Recognition Letters</i> , 2014 , 41, 23-33	4.7	22
94	Super-twisting sliding mode differentiation for improving PD controllers performance of second order systems. <i>ISA Transactions</i> , 2014 , 53, 1096-106	5.5	21
93	The Naïve Associative Classifier (NAC): A novel, simple, transparent, and accurate classification model evaluated on financial data. <i>Neurocomputing</i> , 2017 , 265, 105-115	5.4	21
92	Bidirectional associative memories. <i>ACM Computing Surveys</i> , 2013 , 45, 1-30	13.4	17
91	Collaborative learning in postgraduate level courses. <i>Computers in Human Behavior</i> , 2015 , 51, 938-944	7.7	16
90	Automatic feature weighting for improving financial Decision Support Systems. <i>Decision Support Systems</i> , 2018 , 107, 78-87	5.6	16
89	Proportional derivative fuzzy control supplied with second order sliding mode differentiation. <i>Engineering Applications of Artificial Intelligence</i> , 2014 , 35, 84-94	7.2	16
88	Collaborative learning based on associative models: Application to pattern classification in medical datasets. <i>Computers in Human Behavior</i> , 2015 , 51, 771-779	7.7	13

87				13
86	Computing geometric moments using morphological erosions. <i>Pattern Recognition</i> , 2001 , 34, 271-276	7.7		13
85	Fast COVID-19 and Pneumonia Classification Using Chest X-ray Images. <i>Mathematics</i> , 2020 , 8, 1423	2.3		13
84	Pattern classification using smallest normalized difference associative memory. <i>Pattern Recognition Letters</i> , 2017 , 93, 104-112	4.7		12
83	Theoretical Foundations for the Alpha-Beta Associative Memories: 10 Years of Derived Extensions, Models, and Applications. <i>Neural Processing Letters</i> , 2018 , 48, 811-847	2.4		11
82	Data Stream Classification Based on the Gamma Classifier. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-17	1.1		9
81	Pollutants Time-Series Prediction using the Gamma Classifier. <i>International Journal of Computational Intelligence Systems</i> , 2011 , 4, 680-711	3.4		9
80	. <i>IEEE Latin America Transactions</i> , 2015 , 13, 1550-1555	0.7		8
79	AISAC: An Artificial Immune System for Associative Classification Applied to Breast Cancer Detection. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 515	2.6		8
78	Pollutants Time-Series Prediction Using the Gamma Classifier. <i>International Journal of Computational Intelligence Systems</i> , 2011 , 4, 680	3.4		7
77	Mexican Axolotl Optimization: A Novel Bioinspired Heuristic. <i>Mathematics</i> , 2021 , 9, 781	2.3		7
76	Prediction of Online Students Performance by Means of Genetic Programming. <i>Applied Artificial Intelligence</i> , 2018 , 32, 858-881	2.3		7
75	Associative Models for Storing and Retrieving Concept Lattices. <i>Mathematical Problems in Engineering</i> , 2010 , 2010, 1-27	1.1		6
74	A New Classifier Based on Associative Memories 2006 ,			6
73	Alpha-Beta Associative Memories for Gray Level Patterns. <i>Lecture Notes in Computer Science</i> , 2006 , 818-823			6
72	BDD-based Algorithm for the Minimum Spanning Tree in Wireless Ad-hoc Network Routing. <i>IEEE Latin America Transactions</i> , 2013 , 11, 600-601	0.7		5
71	Green Information Technology influence on car owners behavior: Considerations for their operative support in collaborative eLearning and social networks. <i>Computers in Human Behavior</i> , 2015 , 51, 792-802	7.7		5
70	Stochastic gradient boosting for predicting the maintenance effort of software-intensive systems. <i>IET Software</i> , 2020 , 14, 82-87	1		4

69	Social Web Content Enhancement in a Distance Learning Environment: Intelligent Metadata Generation for Resources. <i>International Review of Research in Open and Distance Learning</i> , 2017 , 18,	2.2	4
68	Analytical traveling-wave solutions to a generalized GrossPitaevskii equation with some new time and space varying nonlinearity coefficients and external fields. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017 , 381, 2978-2985	2.3	4
67	The new informatics technologies in education debate. <i>International Journal of Technology Enhanced Learning</i> , 2009 , 1, 327	1.2	4
66	Morphological Transform for Image Compression. <i>Eurasip Journal on Advances in Signal Processing</i> , 2008 , 2008,	1.9	4
65	A New Model of BAM: Alpha-Beta Bidirectional Associative Memories. <i>Lecture Notes in Computer Science</i> , 2006 , 286-295	0.9	4
64	Feature Selection Using a Hybrid Associative Classifier with Masking Techniques 2006 ,		4
63	A Fuzzy Logic Model for Software Development Effort Estimation at Personal Level. <i>Lecture Notes in Computer Science</i> , 2006 , 122-133	0.9	4
62	Using Alpha-Beta Associative Memories to Learn and Recall RGB Images. <i>Lecture Notes in Computer Science</i> , 2007 , 828-833	0.9	4
61	A Fast Search Algorithm for Vector Quantization Based on Associative Memories. <i>Lecture Notes in Computer Science</i> , 2008 , 487-495	0.9	4
60	Analysis and Prediction of Air Quality Data with the Gamma Classifier. <i>Lecture Notes in Computer Science</i> , 2008 , 651-658	0.9	4
59	Classification of Diseases Using Machine Learning Algorithms: A Comparative Study. <i>Mathematics</i> , 2021 , 9, 1817	2.3	4
58	A non-invasive glucose level estimation in a multi-sensing health care monitoring system. <i>Technology and Health Care</i> , 2018 , 26, 203-208	1.1	4
57	Improving the Performance of an Associative Classifier by Gamma Rough Sets Based Instance Selection. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2018 , 32, 1860009	1.1	4
56	Brain Hemorrhage Classification in CT Scan Images Using Minimalist Machine Learning. <i>Diagnostics</i> , 2021 , 11,	3.8	4
55	Metaheuristic optimization of multivariate adaptive regression splines for predicting the schedule of software projects. <i>Neural Computing and Applications</i> , 2016 , 27, 2229-2240	4.8	3
54	Adaptive control of discrete-time nonlinear systems by recurrent neural networks in quasi-sliding mode like regime. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017 , 31, 83-96	2.8	3
53	An Extension of the Gamma Associative Classifier for Dealing With Hybrid Data. <i>IEEE Access</i> , 2019 , 7, 64198-64205	3.5	3
52	Granulation in Rough Set Theory: A novel perspective. <i>International Journal of Approximate Reasoning</i> , 2020 , 124, 27-39	3.6	3

51	An Associative Memory Approach to Healthcare Monitoring and Decision Making. <i>Sensors</i> , 2018 , 18,	3.8	3
50	Support Vector Regression for Predicting the Enhancement Duration of Software Projects 2017 ,		3
49	FPGA Implementation of Parallel Alpha-Beta Associative Memories. <i>Lecture Notes in Computer Science</i> , 2008 , 1081-1090	0.9	3
48	A Real Time Artificial Vision Implementation for Quality Inspection of Industrial Products 2008 ,		3
47	Using Binary Decision Diagrams to Efficiently Represent Alpha-Beta Associative Memories 2006 ,		3
46	Clasificador de Heaviside. <i>Nova Scientia</i> , 2015 , 7, 365	2	3
45	Optimized Associative Memories for Feature Selection. <i>Lecture Notes in Computer Science</i> , 2007 , 435-442.	0.9	3
44	Associative Model for the Forecasting of Time Series Based on the Gamma Classifier. <i>Lecture Notes in Computer Science</i> , 2013 , 304-313	0.9	3
43	. <i>IT Professional</i> , 2020 , 22, 51-56	1.9	3
42	Complexity of Alpha-Beta Bidirectional Associative Memories. <i>Lecture Notes in Computer Science</i> , 2006 , 357-366	0.9	3
41	Gene selection for enhanced classification on microarray data using a weighted k-NN based algorithm. <i>Intelligent Data Analysis</i> , 2019 , 23, 241-253	1.1	2
40	. <i>IEEE Latin America Transactions</i> , 2020 , 18, 704-713	0.7	2
39	A Novel and Simple Mathematical Transform Improves the Performance of Lernmatrix in Pattern Classification. <i>Mathematics</i> , 2020 , 8, 732	2.3	2
38	. <i>IEEE Latin America Transactions</i> , 2018 , 16, 933-939	0.7	2
37	. <i>IEEE Access</i> , 2019 , 7, 108969-108979	3.5	2
36	Application of the Gamma Classifier to Environmental Data Prediction 2008 ,		2
35	2008 ,		2
34	2007 ,		2

33	Morphological Associative Memories for Gray-Scale Image Encryption. <i>Applied Mathematics and Information Sciences</i> , 2014 , 8, 127-134	2.4	2
32	Evolutionary Approach to Feature Selection with Associative Models. <i>Research in Computing Science</i> , 2014 , 78, 111-122	1.2	2
31	Currency Exchange Rate Forecasting using Associative Models. <i>Research in Computing Science</i> , 2014 , 78, 67-76	1.2	2
30	Perfect Recall on the Lernmatrix. <i>Lecture Notes in Computer Science</i> , 2007 , 835-841	0.9	2
29	Complete Recall on Alpha-Beta Heteroassociative Memory 2007 , 193-202		2
28	Handwritten Digit Classification Based on Alpha-Beta Associative Model. <i>Lecture Notes in Computer Science</i> , 2008 , 437-444	0.9	2
27	Classifying Patterns in Bioinformatics Databases by Using Alpha-Beta Associative Memories. <i>Studies in Computational Intelligence</i> , 2009 , 187-210	0.8	2
26	Vector Quantization Algorithm Based on Associative Memories. <i>Lecture Notes in Computer Science</i> , 2009 , 324-336	0.9	2
25	A Conceptual Data Model for the Automatic Generation of Data Views. <i>Applied Mathematics and Information Sciences</i> , 2016 , 10, 1331-1342	2.4	2
24	A Novel Data Analytics Method for Predicting the Delivery Speed of Software Enhancement Projects. <i>Mathematics</i> , 2020 , 8, 2002	2.3	2
23	Improvement of Tourists Satisfaction According to Their Non-Verbal Preferences Using Computational Intelligence. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2491	2.6	2
22	Neural Network and Trend Prediction for Technological Processes Monitoring. <i>Lecture Notes in Computer Science</i> , 2005 , 731-740	0.9	2
21	Prediction of High Capabilities in the Development of Kindergarten Children. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2710	2.6	1
20	Impact of Imbalanced Datasets Preprocessing in the Performance of Associative Classifiers. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2779	2.6	1
19	The Naïve Associative Classifier With Epsilon Disambiguation. <i>IEEE Access</i> , 2020 , 8, 51862-51870	3.5	1
18	Instance-Based Ontology Matching For Open and Distance Learning Materials. <i>International Review of Research in Open and Distance Learning</i> , 2017 , 18,	2.2	1
17	NACOD: A Naïve Associative Classifier for Online Data. <i>IEEE Access</i> , 2019 , 7, 117761-117767	3.5	1
16	Simultaneous instance and feature selection for improving prediction in special education data. <i>Data Technologies and Applications</i> , 2017 , 51, 278-297		1

15	Attributes and Cases Selection for Social Data Classification. <i>IEEE Latin America Transactions</i> , 2015 , 13, 3370-3381	0.7	1
14	2006 ,		1
13	A Fuzzy Logic Model Based upon Reused and New & Changed Code for Software Development Effort Estimation at Personal Level 2006 ,		1
12	The New Informatics Technologies in Education Debate. <i>Communications in Computer and Information Science</i> , 2008 , 291-296	0.3	1
11	NanoChest-Net: A Simple Convolutional Network for Radiological Studies Classification. <i>Diagnostics</i> , 2021 , 11,	3.8	1
10	A General Framework for Mixed and Incomplete Data Clustering Based on Swarm Intelligence Algorithms. <i>Mathematics</i> , 2021 , 9, 786	2.3	1
9	Bio-inspired algorithms for improving mixed and incomplete data clustering. <i>IEEE Latin America Transactions</i> , 2018 , 16, 2248-2253	0.7	1
8	Dynamic Nearest Neighbor: An Improved Machine Learning Classifier and Its Application in Finances. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8884	2.6	1
7	Correlation Assessment of the Performance of Associative Classifiers on Credit Datasets Based on Data Complexity Measures. <i>Mathematics</i> , 2022 , 10, 1460	2.3	1
6	Generic extended multigranular sets for mixed and incomplete information systems. <i>Soft Computing</i> , 2020 , 24, 6119-6137	3.5	
5	Fast Route Convergence in Dynamic Power Controlled Routing for Wireless Ad-hoc Networks. <i>IEEE Latin America Transactions</i> , 2013 , 11, 607-608	0.7	
4	Neural Network Based Industrial Processes Monitoring. <i>Lecture Notes in Computer Science</i> , 2006 , 933-938.	0.9	
3	Prediction of CO and NOx Levels in Mexico City Using Associative Models. <i>International Federation for Information Processing</i> , 2011 , 313-322		
2	Improving the Performance of an Associative Classifier in the Context of Class-Imbalanced Classification. <i>Electronics (Switzerland)</i> , 2021 , 10, 1095	2.6	
1	Supervised Classification of Diseases Based on an Improved Associative Algorithm. <i>Mathematics</i> , 2021 , 9, 1458	2.3	