Yenny Villuendas-Rey

List of Publications by Year
in descending order

55	582	686830	676716
papers	citations	13	22
		h-index	g-index

61	61	61	562
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Transfer Learning Method for Pneumonia Classification and Visualization. Applied Sciences (Switzerland), 2020, 10, 2908.	1.3	61
2	Predictive accuracy comparison between neural networks and statistical regression for development effort of software projects. Applied Soft Computing Journal, 2015, 27, 434-449.	4.1	51
3	Support vector regression for predicting software enhancement effort. Information and Software Technology, 2018, 97, 99-109.	3.0	45
4	Neural networks for predicting the duration of new software projects. Journal of Systems and Software, 2015, 101, 127-135.	3.3	37
5	Instance-based ontology matching for e-learning material using an associative pattern classifier. Computers in Human Behavior, 2017, 69, 218-225.	5.1	36
6	Fast COVID-19 and Pneumonia Classification Using Chest X-ray Images. Mathematics, 2020, 8, 1423.	1.1	27
7	The Naïve Associative Classifier (NAC): A novel, simple, transparent, and accurate classification model evaluated on financial data. Neurocomputing, 2017, 265, 105-115.	3.5	26
8	Automatic feature weighting for improving financial Decision Support Systems. Decision Support Systems, 2018, 107, 78-87.	3.5	25
9	Classification of Diseases Using Machine Learning Algorithms: A Comparative Study. Mathematics, 2021, 9, 1817.	1.1	24
10	Assessing the Protective Activity of a Recently Discovered Phenolic Compound against Oxidative Stress Using Computational Chemistry. Journal of Chemical Information and Modeling, 2015, 55, 2552-2561.	2.5	23
11	Mexican Axolotl Optimization: A Novel Bioinspired Heuristic. Mathematics, 2021, 9, 781.	1.1	21
12	Theoretical Foundations for the Alpha-Beta Associative Memories: 10 Years of Derived Extensions, Models, and Applications. Neural Processing Letters, 2018, 48, 811-847.	2.0	17
13	Transformed k-nearest neighborhood output distance minimization for predicting the defect density of software projects. Journal of Systems and Software, 2020, 167, 110592.	3.3	14
14	Granulation in Rough Set Theory: A novel perspective. International Journal of Approximate Reasoning, 2020, 124, 27-39.	1.9	13
15	Evolutive Improvement of Parameters in an Associative Classifier. IEEE Latin America Transactions, 2015, 13, 1550-1555.	1.2	11
16	Maximal similarity granular rough sets for mixed and incomplete information systems. Soft Computing, 2019, 23, 4617-4631.	2.1	11
17	AISAC: An Artificial Immune System for Associative Classification Applied to Breast Cancer Detection. Applied Sciences (Switzerland), 2020, 10, 515.	1.3	11
18	Using Maximum Similarity Graphs to Edit Nearest Neighbor Classifiers. Lecture Notes in Computer Science, 2009, , 489-496.	1.0	10

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19	Improving the Performance of an Associative Classifier by Gamma Rough Sets Based Instance Selection. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1860009.	0.7	7
20	Machine learning techniques for software testing effort prediction. Software Quality Journal, 2022, 30, 65-100.	1.4	7
21	Experimental Platform for Intelligent Computing (EPIC). Computacion Y Sistemas, 2018, 22, .	0.2	7
22	A New Experimentation Module for the EPIC Software. Research in Computing Science, 2018, 147, 243-252.	0.1	7
23	A Novel Bio-Inspired Method for Early Diagnosis of Breast Cancer through Mammographic Image Analysis. Applied Sciences (Switzerland), 2019, 9, 4492.	1.3	6
24	Genetic Programming as Alternative for Predicting Development Effort of Individual Software Projects. PLoS ONE, 2012, 7, e50531.	1.1	5
25	Social Web Content Enhancement in a Distance Learning Environment: Intelligent Metadata Generation for Resources. International Review of Research in Open and Distance Learning, 2017, 18, .	1.0	5
26	An Extension of the Gamma Associative Classifier for Dealing With Hybrid Data. IEEE Access, 2019, 7, 64198-64205.	2.6	5
27	Particle Swarm Optimization for Predicting the Development Effort of Software Projects. Mathematics, 2020, 8, 1819.	1.1	5
28	Dynamic Nearest Neighbor: An Improved Machine Learning Classifier and Its Application in Finances. Applied Sciences (Switzerland), 2021, 11, 8884.	1.3	5
29	Intelligent Feature and Instance Selection to Improve Nearest Neighbor Classifiers. Lecture Notes in Computer Science, 2013, , 27-38.	1.0	5
30	Metaheuristic optimization of multivariate adaptive regression splines for predicting the schedule of software projects. Neural Computing and Applications, 2016, 27, 2229-2240.	3.2	4
31	Impact of Imbalanced Datasets Preprocessing in the Performance of Associative Classifiers. Applied Sciences (Switzerland), 2020, 10, 2779.	1.3	4
32	Improvement of Tourists Satisfaction According to Their Non-Verbal Preferences Using Computational Intelligence. Applied Sciences (Switzerland), 2021, 11, 2491.	1.3	4
33	Prediction of High Capabilities in the Development of Kindergarten Children. Applied Sciences (Switzerland), 2020, 10, 2710.	1.3	3
34	Selecting Objects for ALVOT. Lecture Notes in Computer Science, 2006, , 606-613.	1.0	3
35	NACOD: A NaÃ¯ve Associative Classifier for Online Data. IEEE Access, 2019, 7, 117761-117767.	2.6	2
36	Determining Electoral Preferences in Mexican Voters by Computational Intelligence Algorithms. IEEE Latin America Transactions, 2020, 18, 704-713.	1.2	2

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37	A Novel and Simple Mathematical Transform Improves the Perfomance of Lernmatrix in Pattern Classification. Mathematics, 2020, 8, 732.	1.1	2
38	The Naïve Associative Classifier With Epsilon Disambiguation. IEEE Access, 2020, 8, 51862-51870.	2.6	2
39	NanoChest-Net: A Simple Convolutional Network for Radiological Studies Classification. Diagnostics, 2021, 11, 775.	1.3	2
40	A General Framework for Mixed and Incomplete Data Clustering Based on Swarm Intelligence Algorithms. Mathematics, 2021, 9, 786.	1.1	2
41	Effort prediction for the software project construction phase. Journal of Software: Evolution and Process, 2021, 33, e2365.	1.2	2
42	Selecting Features and Objects for Mixed and Incomplete Data. Lecture Notes in Computer Science, 2008, , 381-388.	1.0	2
43	Correlation Assessment of the Performance of Associative Classifiers on Credit Datasets Based on Data Complexity Measures. Mathematics, 2022, 10, 1460.	1.1	2
44	Attributes and Cases Selection for Social Data Classification. IEEE Latin America Transactions, 2015, 13, 3370-3381.	1.2	1
45	Simultaneous instance and feature selection for improving prediction in special education data. Data Technologies and Applications, 2017, 51, 278-297.	0.8	1
46	Instance-Based Ontology Matching For Open and Distance Learning Materials. International Review of Research in Open and Distance Learning, 2017, 18, .	1.0	1
47	Bio-inspired algorithms for improving mixed and incomplete data clustering. IEEE Latin America Transactions, 2018, 16, 2248-2253.	1.2	1
48	Training Service Staff to Enhance Non-Verbal Behavioral Skills to Increase Customer Profitability in Tourism. Tourism and Hospitality, 2021, 2, 233-247.	0.7	1
49	Instance Selection in the Performance of Gamma Associative Classifier. Research in Computing Science, 2015, 105, 117-125.	0.1	1
50	Mammogram Image Segmentation Using Bioinspired Novel Bat Swarm Clustering. Research in Computing Science, 2016, 118, 87-96.	0.1	1
51	Generic extended multigranular sets for mixed and incomplete information systems. Soft Computing, 2020, 24, 6119-6137.	2.1	0
52	Supervised Classification of Diseases Based on an Improved Associative Algorithm. Mathematics, 2021, 9, 1458.	1.1	0
53	Prototype Selection with Compact Sets and Extended Rough Sets. Lecture Notes in Computer Science, 2012, , 159-168.	1.0	0
54	Support Rough Sets for decision-making. , 2013, , .		0

#	Article	IF	Citations
55	The Potential Use of Bioinspired Algorithms Applied in the Segmentation of Mammograms. , 2018, , .		0