

# Yenny Villuendas-Rey

## List of Publications by Year in descending order

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55  
papers

582  
citations

686830

13  
h-index

676716

22  
g-index

61  
all docs

61  
docs citations

61  
times ranked

562  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning techniques for software testing effort prediction. <i>Software Quality Journal</i> , 2022, 30, 65-100.	1.4	7
2	Correlation Assessment of the Performance of Associative Classifiers on Credit Datasets Based on Data Complexity Measures. <i>Mathematics</i> , 2022, 10, 1460.	1.1	2
3	Improvement of Tourists Satisfaction According to Their Non-Verbal Preferences Using Computational Intelligence. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2491.	1.3	4
4	NanoChest-Net: A Simple Convolutional Network for Radiological Studies Classification. <i>Diagnostics</i> , 2021, 11, 775.	1.3	2
5	Mexican Axolotl Optimization: A Novel Bioinspired Heuristic. <i>Mathematics</i> , 2021, 9, 781.	1.1	21
6	A General Framework for Mixed and Incomplete Data Clustering Based on Swarm Intelligence Algorithms. <i>Mathematics</i> , 2021, 9, 786.	1.1	2
7	Training Service Staff to Enhance Non-Verbal Behavioral Skills to Increase Customer Profitability in Tourism. <i>Tourism and Hospitality</i> , 2021, 2, 233-247.	0.7	1
8	Supervised Classification of Diseases Based on an Improved Associative Algorithm. <i>Mathematics</i> , 2021, 9, 1458.	1.1	0
9	Effort prediction for the software project construction phase. <i>Journal of Software: Evolution and Process</i> , 2021, 33, e2365.	1.2	2
10	Classification of Diseases Using Machine Learning Algorithms: A Comparative Study. <i>Mathematics</i> , 2021, 9, 1817.	1.1	24
11	Dynamic Nearest Neighbor: An Improved Machine Learning Classifier and Its Application in Finances. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8884.	1.3	5
12	Particle Swarm Optimization for Predicting the Development Effort of Software Projects. <i>Mathematics</i> , 2020, 8, 1819.	1.1	5
13	Fast COVID-19 and Pneumonia Classification Using Chest X-ray Images. <i>Mathematics</i> , 2020, 8, 1423.	1.1	27
14	Determining Electoral Preferences in Mexican Voters by Computational Intelligence Algorithms. <i>IEEE Latin America Transactions</i> , 2020, 18, 704-713.	1.2	2
15	Prediction of High Capabilities in the Development of Kindergarten Children. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2710.	1.3	3
16	Granulation in Rough Set Theory: A novel perspective. <i>International Journal of Approximate Reasoning</i> , 2020, 124, 27-39.	1.9	13
17	A Novel and Simple Mathematical Transform Improves the Performance of Lernmatrix in Pattern Classification. <i>Mathematics</i> , 2020, 8, 732.	1.1	2
18	Generic extended multigranular sets for mixed and incomplete information systems. <i>Soft Computing</i> , 2020, 24, 6119-6137.	2.1	0

#	ARTICLE	IF	CITATIONS
19	AISAC: An Artificial Immune System for Associative Classification Applied to Breast Cancer Detection. Applied Sciences (Switzerland), 2020, 10, 515.	1.3	11
20	A Transfer Learning Method for Pneumonia Classification and Visualization. Applied Sciences (Switzerland), 2020, 10, 2908.	1.3	61
21	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
22	Impact of Imbalanced Datasets Preprocessing in the Performance of Associative Classifiers. Applied Sciences (Switzerland), 2020, 10, 2779.	1.3	4
23	The Na <sup>+</sup> ve Associative Classifier With Epsilon Disambiguation. IEEE Access, 2020, 8, 51862-51870.	2.6	2
24	Maximal similarity granular rough sets for mixed and incomplete information systems. Soft Computing, 2019, 23, 4617-4631.	2.1	11
25	NACOD: A Na <sup>+</sup> ve Associative Classifier for Online Data. IEEE Access, 2019, 7, 117761-117767.	2.6	2
26	An Extension of the Gamma Associative Classifier for Dealing With Hybrid Data. IEEE Access, 2019, 7, 64198-64205.	2.6	5
27	A Novel Bio-Inspired Method for Early Diagnosis of Breast Cancer through Mammographic Image Analysis. Applied Sciences (Switzerland), 2019, 9, 4492.	1.3	6
28	Automatic feature weighting for improving financial Decision Support Systems. Decision Support Systems, 2018, 107, 78-87.	3.5	25
29	Support vector regression for predicting software enhancement effort. Information and Software Technology, 2018, 97, 99-109.	3.0	45
30	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
31	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
32	Bio-inspired algorithms for improving mixed and incomplete data clustering. IEEE Latin America Transactions, 2018, 16, 2248-2253.	1.2	1
33	Experimental Platform for Intelligent Computing (EPIC). Computacion Y Sistemas, 2018, 22, .	0.2	7
34	A New Experimentation Module for the EPIC Software. Research in Computing Science, 2018, 147, 243-252.	0.1	7
35	The Potential Use of Bioinspired Algorithms Applied in the Segmentation of Mammograms. , 2018, , .		0
36	Instance-based ontology matching for e-learning material using an associative pattern classifier. Computers in Human Behavior, 2017, 69, 218-225.	5.1	36

#	ARTICLE	IF	CITATIONS
37	Simultaneous instance and feature selection for improving prediction in special education data. Data Technologies and Applications, 2017, 51, 278-297.	0.8	1
38	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
39	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
40	Instance-Based Ontology Matching For Open and Distance Learning Materials. International Review of Research in Open and Distance Learning, 2017, 18, .	1.0	1
41	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
42	Mammogram Image Segmentation Using Bioinspired Novel Bat Swarm Clustering. Research in Computing Science, 2016, 118, 87-96.	0.1	1
43	Attributes and Cases Selection for Social Data Classification. IEEE Latin America Transactions, 2015, 13, 3370-3381.	1.2	1
44	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
45	Evolutionary Improvement of Parameters in an Associative Classifier. IEEE Latin America Transactions, 2015, 13, 1550-1555.	1.2	11
46	Neural networks for predicting the duration of new software projects. Journal of Systems and Software, 2015, 101, 127-135.	3.3	37
47	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
48	Instance Selection in the Performance of Gamma Associative Classifier. Research in Computing Science, 2015, 105, 117-125.	0.1	1
49	Intelligent Feature and Instance Selection to Improve Nearest Neighbor Classifiers. Lecture Notes in Computer Science, 2013, , 27-38.	1.0	5
50	Support Rough Sets for decision-making. , 2013, , .		0
51	Genetic Programming as Alternative for Predicting Development Effort of Individual Software Projects. PLoS ONE, 2012, 7, e50531.	1.1	5
52	Prototype Selection with Compact Sets and Extended Rough Sets. Lecture Notes in Computer Science, 2012, , 159-168.	1.0	0
53	Using Maximum Similarity Graphs to Edit Nearest Neighbor Classifiers. Lecture Notes in Computer Science, 2009, , 489-496.	1.0	10
54	Selecting Features and Objects for Mixed and Incomplete Data. Lecture Notes in Computer Science, 2008, , 381-388.	1.0	2

#	ARTICLE	IF	CITATIONS
55	Selecting Objects for ALVOT. Lecture Notes in Computer Science, 2006, , 606-613.	1.0	3