

# Rosa MarÃ-a Valdovinos

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

672  
citations

932766

10  
h-index

580395

25  
g-index

53  
all docs

53  
docs citations

53  
times ranked

713  
citing authors

#	ARTICLE	IF	CITATIONS
1	New Applications of Ensembles of Classifiers. Pattern Analysis and Applications, 2003, 6, 245-256.	3.1	226
2	The Imbalanced Training Sample Problem: Under or over Sampling?. Lecture Notes in Computer Science, 2004, , 806-814.	1.0	134
3	A hybrid method to face class overlap and class imbalance on neural networks and multi-class scenarios. Pattern Recognition Letters, 2013, 34, 380-388.	2.6	60
4	DBIG-US: A two-stage under-sampling algorithm to face the class imbalance problem. Expert Systems With Applications, 2021, 168, 114301.	4.4	46
5	A New Under-Sampling Method to Face Class Overlap and Imbalance. Applied Sciences (Switzerland), 2020, 10, 5164.	1.3	25
6	A PSO-based algorithm for mining association rules using a guided exploration strategy. Pattern Recognition Letters, 2020, 138, 8-15.	2.6	20
7	Dynamic and Static Weighting in Classifier Fusion. Lecture Notes in Computer Science, 2005, , 59-66.	1.0	16
8	Combining Multiple Classifiers with Dynamic Weighted Voting. Lecture Notes in Computer Science, 2009, , 510-516.	1.0	16
9	Edited Nearest Neighbor Rule for Improving Neural Networks Classifications. Lecture Notes in Computer Science, 2010, , 303-310.	1.0	15
10	A comparison between UCB and UCB-Tuned as selection policies in GGP. Journal of Intelligent and Fuzzy Systems, 2019, 36, 5073-5079.	0.8	12
11	Associative learning on imbalanced environments: An empirical study. Expert Systems With Applications, 2016, 54, 387-397.	4.4	10
12	Chemical effect of photo-irradiation in expanded polystyrene studied by XPS. Polymer Bulletin, 2018, 75, 5619-5627.	1.7	9
13	Class-Dependant Resampling for Medical Applications. , 0, , .		8
14	Assessments Metrics for Multi-class Imbalance Learning: A Preliminary Study. Lecture Notes in Computer Science, 2013, , 335-343.	1.0	8
15	Back Propagation with Balanced MSE Cost Function and Nearest Neighbor Editing for Handling Class Overlap and Class Imbalance. Lecture Notes in Computer Science, 2011, , 199-206.	1.0	6
16	Empirical Analysis of Assessments Metrics for Multi-class Imbalance Learning on the Back-Propagation Context. Lecture Notes in Computer Science, 2014, , 17-23.	1.0	6
17	Performance Analysis of Classifier Ensembles: Neural Networks Versus Nearest Neighbor Rule. Lecture Notes in Computer Science, 2007, , 105-112.	1.0	5
18	Comparative study of Genetic Algorithms and resampling methods for ensemble constructing. , 2008, , .		4

#	ARTICLE	IF	CITATIONS
19	Applicability of Cluster Validation Indexes for Large Data Sets. , 2013, , .		4
20	The Multi-Class Imbalance Problem: Cost Functions with Modular and Non-Modular Neural Networks. Advances in Intelligent and Soft Computing, 2009, , 421-431.	0.2	4
21	A Modified Back-Propagation Algorithm to Deal with Severe Two-Class Imbalance Problems on Neural Networks. Lecture Notes in Computer Science, 2012, , 265-272.	1.0	4
22	A Parametric Polynomial Deterministic Algorithm for #2SAT. Lecture Notes in Computer Science, 2015, , 202-213.	1.0	4
23	Medical Image Processing Using Novel Wavelet Filters Based on Atomic Functions: Optimal Medical Image Compression. Advances in Experimental Medicine and Biology, 2011, 696, 497-504.	0.8	3
24	Use of Ensemble Based on GA for Imbalance Problem. Lecture Notes in Computer Science, 2009, , 547-554.	1.0	3
25	Ensembles of Multilayer Perceptron and Modular Neural Networks for Fast and Accurate Learning. , 2006, , .		2
26	A Brief History of Computing in Mexico. IEEE Annals of the History of Computing, 2015, 37, 76-86.	0.2	2
27	Weighted Complete Graphs for Condensing Data. Electronic Notes in Theoretical Computer Science, 2020, 354, 45-60.	0.9	2
28	Cost-Sensitive Neural Networks and Editing Techniques for Imbalance Problems. Lecture Notes in Computer Science, 2010, , 180-188.	1.0	2
29	A Rejection Option for the Multilayer Perceptron Using Hyperplanes. Lecture Notes in Computer Science, 2011, , 51-60.	1.0	2
30	Hybrid Associative Memories for Imbalanced Data Classification: An Experimental Study. Lecture Notes in Computer Science, 2013, , 325-334.	1.0	2
31	Equilibrating the Recognition of the Minority Class in the Imbalance Context. Applied Mathematics and Information Sciences, 2014, 8, 27-36.	0.7	2
32	Semantic classification of attributes for integrating heterogeneous relational databases with artificial neural networks. , 2011, , .		1
33	Some Variations of Upper Confidence Bound for General Game Playing. Lecture Notes in Computer Science, 2019, , 68-79.	1.0	1
34	Influence of Resampling and Weighting on Diversity and Accuracy of Classifier Ensembles. Lecture Notes in Computer Science, 2007, , 250-257.	1.0	1
35	Empirical Study of the Associative Approach in the Context of Classification Problems. Computacion Y Sistemas, 2019, 23, .	0.2	1
36	A Fast and Efficient Method for #2SAT via Graph Transformations. Lecture Notes in Computer Science, 2018, , 95-106.	1.0	1

#	ARTICLE	IF	CITATIONS
37	A Polynomial Time Algorithm for Counting the Number of Independent Sets of Cactus Graphs. , 2016, , .		0
38	On-line Learning With Reject Option. IEEE Latin America Transactions, 2018, 16, 279-286.	1.2	0
39	A Hybrid Feature Extraction Method for Offline Handwritten Math Symbol Recognition. Lecture Notes in Computer Science, 2019, , 893-901.	1.0	0
40	Design Specifications for an Auxiliary Incision Retractor in Dacryocystorhinostomy Surgeries. Applied Sciences (Switzerland), 2020, 10, 605.	1.3	0
41	Mixture of Experts with Genetic Algorithms. Advances in Intelligent and Soft Computing, 2009, , 331-338.	0.2	0
42	Dynamic Classifier Selection with Confidence Intervals. Advances in Intelligent and Soft Computing, 2009, , 473-482.	0.2	0
43	Tratamiento del desbalance en problemas con múltiples clases con ECOC. Computacion Y Sistemas, 2013, , 583-592.	0.2	0
44	Analysing the Safe, Average and Border Samples on Two-Class Imbalance Problems in the Back-Propagation Domain. Lecture Notes in Computer Science, 2015, , 699-707.	1.0	0
45	Extending Extremal Polygonal Arrays for the Merrifield-Simmons Index. Lecture Notes in Computer Science, 2017, , 22-31.	1.0	0
46	Analysis of Repair Costs of Scholar Buildings Affected by Earthquakes Using Data Mining. Case Study: Earthquakes of 2017 in Mexico. Lecture Notes in Computer Science, 2020, , 45-56.	1.0	0
47	A Cluster-Based Under-Sampling Algorithm for Class-Imbalanced Data. Lecture Notes in Computer Science, 2020, , 299-311.	1.0	0
48	A Metaheuristic Algorithm to Face the Graph Coloring Problem. Lecture Notes in Computer Science, 2020, , 195-208.	1.0	0