Rosa Mara Valdovinos

List of Publications by Citations

46 papers	447 citations	8 h-index	20 g-index
52 ext. papers	551 ext. citations	1.5 avg, IF	3.51 L-index

#	Paper	IF	Citations
46	New Applications of Ensembles of Classifiers. *Pattern Analysis and Applications*, **2003**, 6, 245-256	2.3	176
45	The Imbalanced Training Sample Problem: Under or over Sampling?. *Lecture Notes in Computer Science*, **2004**, 806-814	0.9	80
44	A hybrid method to face class overlap and class imbalance on neural networks and multi-class scenarios. *Pattern Recognition Letters*, **2013**, 34, 380-388	4.7	48
43	Dynamic and Static Weighting in Classifier Fusion. *Lecture Notes in Computer Science*, **2005**, 59-66	0.9	15
42	A PSO-based algorithm for mining association rules using a guided exploration strategy. *Pattern Recognition Letters*, **2020**, 138, 8-15	4.7	11
41	A comparison between UCB and UCB-Tuned as selection policies in GGP. *Journal of Intelligent and Fuzzy Systems*, **2019**, 36, 5073-5079	1.6	10
40	Associative learning on imbalanced environments: An empirical study. *Expert Systems With Applications*, **2016**, 54, 387-397	7.8	10
39	DBIG-US: A two-stage under-sampling algorithm to face the class imbalance problem. *Expert Systems With Applications*, **2021**, 168, 114301	7.8	10
38	A New Under-Sampling Method to Face Class Overlap and Imbalance. *Applied Sciences (Switzerland)*, **2020**, 10, 5164	2.6	8
37	Chemical effect of photo-irradiation in expanded polystyrene studied by XPS. *Polymer Bulletin*, **2018**, 75, 5619-5627	2.4	7
36	Class-dependant resampling for medical applications		7
35	Combining Multiple Classifiers with Dynamic Weighted Voting. *Lecture Notes in Computer Science*, **2009**, 510-516	0.9	7
34	Edited Nearest Neighbor Rule for Improving Neural Networks Classifications. *Lecture Notes in Computer Science*, **2010**, 303-310	0.9	6
33	Empirical Analysis of Assessments Metrics for Multi-class Imbalance Learning on the Back-Propagation Context. *Lecture Notes in Computer Science*, **2014**, 17-23	0.9	5
32	Performance Analysis of Classifier Ensembles: Neural Networks Versus Nearest Neighbor Rule. *Lecture Notes in Computer Science*, **2007**, 105-112	0.9	4
31	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	0.9	4
30	Assessments Metrics for Multi-class Imbalance Learning: A Preliminary Study. *Lecture Notes in Computer Science*, **2013**, 335-343	0.9	4

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29	**2013**,		3
28	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	3.6	3
27	**2008**,		3
26	Use of Ensemble Based on GA for Imbalance Problem. *Lecture Notes in Computer Science*, **2009**, 547-554	0.9	3
25	A Parametric Polynomial Deterministic Algorithm for #2SAT. *Lecture Notes in Computer Science*, **2015**, 202-213	0.9	3
24	Ensembles of Multilayer Perceptron and Modular Neural Networks for Fast and Accurate Learning **2006**,		2
23	Equilibrating the Recognition of the Minority Class in the Imbalance Context. *Applied Mathematics and Information Sciences*, **2014**, 8, 27-36	2.4	2
22	Addressing the Big Data Multi-class Imbalance Problem with Oversampling and Deep Learning Neural Networks. *Lecture Notes in Computer Science*, **2019**, 216-224	0.9	2
21	The Multi-Class Imbalance Problem: Cost Functions with Modular and Non-Modular Neural Networks. *Advances in Intelligent and Soft Computing*, **2009**, 421-431		2
20	A Rejection Option for the Multilayer Perceptron Using Hyperplanes. *Lecture Notes in Computer Science*, **2011**, 51-60	0.9	2
19	A Modified Back-Propagation Algorithm to Deal with Severe Two-Class Imbalance Problems on Neural Networks. *Lecture Notes in Computer Science*, **2012**, 265-272	0.9	2
18	Hybrid Associative Memories for Imbalanced Data Classification: An Experimental Study. *Lecture Notes in Computer Science*, **2013**, 325-334	0.9	2
17	A Brief History of Computing in Mexico. *IEEE Annals of the History of Computing*, **2015**, 37, 76-86	0.2	1
16	Some Variations of Upper Confidence Bound for General Game Playing. *Lecture Notes in Computer Science*, **2019**, 68-79	0.9	1
15	Influence of Resampling and Weighting on Diversity and Accuracy of Classifier Ensembles. *Lecture Notes in Computer Science*, **2007**, 250-257	0.9	1
14	Cost-Sensitive Neural Networks and Editing Techniques for Imbalance Problems. *Lecture Notes in Computer Science*, **2010**, 180-188	0.9	1
13	Resampling Methods versus Cost Functions for Training an MLP in the Class Imbalance Context. *Lecture Notes in Computer Science*, **2011**, 19-26	0.9	1
12	Weighted Complete Graphs for Condensing Data. *Electronic Notes in Theoretical Computer Science*, **2020**, 354, 45-60	0.7	0

11	A Hybrid Feature Extraction Method for Offline Handwritten Math Symbol Recognition. *Lecture Notes in Computer Science*, **2019**, 893-901	0.9
10	Design Specifications for an Auxiliary Incision Retractor in Dacryocystorhinostomy Surgeries. *Applied Sciences (Switzerland)*, **2020**, 10, 605	2.6
9	On-line Learning With Reject Option. *IEEE Latin America Transactions*, **2018**, 16, 279-286	0.7
8	A Metaheuristic Algorithm to Face the Graph Coloring Problem. *Lecture Notes in Computer Science*, **2020**, 195-208	0.9
7	A Fast and Efficient Method for #2SAT via Graph Transformations. *Lecture Notes in Computer Science*, **2018**, 95-106	0.9
6	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	0.9
5	A Cluster-Based Under-Sampling Algorithm for Class-Imbalanced Data. *Lecture Notes in Computer Science*, **2020**, 299-311	0.9
4	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	0.9
3	Extending Extremal Polygonal Arrays for the Merrifield-Simmons Index. *Lecture Notes in Computer Science*, **2017**, 22-31	0.9
2	Mixture of Experts with Genetic Algorithms. *Advances in Intelligent and Soft Computing*, **2009**, 331-338	
1	Dynamic Classifier Selection with Confidence Intervals. *Advances in Intelligent and Soft Computing*, **2009**, 473-482	