Ester BernadÃ³-Mansilla

List of Publications by Year
in descending order

39 papers	1,296 citations	623734 14 h-index	610901 24 g-index
41 all docs	41 docs citations	41 times ranked	675 citing authors

#	Article	IF	Citations
1	Accuracy-Based Learning Classifier Systems: Models, Analysis and Applications to Classification Tasks. Evolutionary Computation, 2003, 11, 209-238.	3.0	313
2	Evolutionary rule-based systems for imbalanced data sets. Soft Computing, 2009, 13, 213-225.	3.6	157
3	Genetics-Based Machine Learning for Rule Induction: State of the Art, Taxonomy, and Comparative Study. IEEE Transactions on Evolutionary Computation, 2010, 14, 913-941.	10.0	137
4	Domain of Competence of XCS Classifier System in Complexity Measurement Space. IEEE Transactions on Evolutionary Computation, 2005, 9, 82-104.	10.0	92
5	XCS and GALE: A Comparative Study of Two Learning Classifier Systems on Data Mining. Lecture Notes in Computer Science, 2002, , 115-132.	1.3	78
6	Fuzzy-UCS: A Michigan-Style Learning Fuzzy-Classifier System for Supervised Learning. IEEE Transactions on Evolutionary Computation, 2009, 13, 260-283.	10.0	51
7	Genetic-based machine learning systems are competitive for pattern recognition. Evolutionary Intelligence, 2008, 1, 209-232.	3.6	49
8	Towards UCI+: A mindful repository design. Information Sciences, 2014, 261, 237-262.	6.9	45
9	Facetwise Analysis of XCS for Problems With Class Imbalances. IEEE Transactions on Evolutionary Computation, 2009, 13, 1093-1119.	10.0	41
10	Learner excellence biased by data set selection: A case for data characterisation and artificial data sets. Pattern Recognition, 2013, 46, 1054-1066.	8.1	31
11	The class imbalance problem in learning classifier systems. , 2005, , .		30
12	Bounding XCS's parameters for unbalanced datasets. , 2006, , .		27
13	DIAGNOSE EFFECTIVE EVOLUTIONARY PROTOTYPE SELECTION USING AN OVERLAPPING MEASURE. International Journal of Pattern Recognition and Artificial Intelligence, 2009, 23, 1527-1548.	1.2	22
14	Revisiting UCS: Description, Fitness Sharing, and Comparison with XCS. Lecture Notes in Computer Science, 2008, , 96-116.	1.3	21
15	Preliminary approach on synthetic data sets generation based on class separability measure. , 2008, , .		17
16	Accuracy, Parsimony, and Generality in Evolutionary Learning Systems via Multiobjective Selection. Lecture Notes in Computer Science, 2003, , 118-142.	1.3	16
17	Learning Classifier Systems: Looking Back and Glimpsing Ahead. Lecture Notes in Computer Science, 2008, , 1-21.	1.3	16
18	Fuzzy-UCS. , 2007, , .		13

#	Article	IF	Citations
19	First approach toward on-line evolution of association rules with learning classifier systems. , 2008, , .		12
20	Substructrual surrogates for learning decomposable classification problems. , 2007, , .		11
21	Genetic-Based Synthetic Data Sets for the Analysis of Classifiers Behavior. , 2008, , .		11
22	Modeling XCS in class imbalances. , 2007, , .		10
23	Modeling selection pressure in XCS for proportionate and tournament selection. , 2007, , .		9
24	In search of targeted-complexity problems. , 2010, , .		9
25	Learning Classifier Systems in Data Mining: An Introduction. Studies in Computational Intelligence, 2008, , 1-15.	0.9	9
26	A Methodology for Analyzing Case Retrieval from a Clustered Case Memory. Lecture Notes in Computer Science, 2007, , 122-136.	1.3	8
27	Toward evolving consistent, complete, and compact fuzzy rule sets for classification problems. , 2008, , .		7
28	Multi-objective Learning Classifier Systems. , 2006, , 261-288.		7
29	New Crossover Operator for Evolutionary Rule Discovery in XCS. , 2008, , .		6
30	Analysis and improvement of the genetic discovery component of XCS. International Journal of Hybrid Intelligent Systems, 2009, 6, 81-95.	1.2	5
31	A Comparative Study of Several Genetic-Based Supervised Learning Systems. Studies in Computational Intelligence, 2008, , 205-230.	0.9	5
32	Evolving Fuzzy Rules with UCS: Preliminary Results. Lecture Notes in Computer Science, 2008, , 57-76.	1.3	5
33	Data Complexity and Evolutionary Learning. , 2006, , 115-134.		4
34	Mining Imbalanced Data with Learning Classifier Systems. Studies in Computational Intelligence, 2008, , 123-145.	0.9	3
35	Substructural Surrogates for Learning Decomposable Classification Problems. Lecture Notes in Computer Science, 2008, , 235-254.	1.3	3
36	EMO shines a light on the holes of complexity space. , 2009, , .		1

#	Article	IF	Citations
37	The Landscape Contest at ICPR 2010. Lecture Notes in Computer Science, 2010, , 29-45.	1.3	1
38	Approximate Versus Linguistic Representation in Fuzzy-UCS. Lecture Notes in Computer Science, 2008, , 722-729.	1.3	1
39	Multi-objective Learning Classifier Systems. , 2006, , 261-288.		0