

# Ester BernadÃ³-Mansilla

## List of Publications by Year in descending order

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39  
papers

1,296  
citations

706676

14  
h-index

685536

24  
g-index

41  
all docs

41  
docs citations

41  
times ranked

750  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards UCI+: A mindful repository design. Information Sciences, 2014, 261, 237-262.	4.0	45
2	Learner excellence biased by data set selection: A case for data characterisation and artificial data sets. Pattern Recognition, 2013, 46, 1054-1066.	5.1	31
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.	7.5	137
4	In search of targeted-complexity problems. , 2010, , .		9
5	The Landscape Contest at ICPR 2010. Lecture Notes in Computer Science, 2010, , 29-45.	1.0	1
6	DIAGNOSE EFFECTIVE EVOLUTIONARY PROTOTYPE SELECTION USING AN OVERLAPPING MEASURE. International Journal of Pattern Recognition and Artificial Intelligence, 2009, 23, 1527-1548.	0.7	22
7	EMO shines a light on the holes of complexity space. , 2009, , .		1
8	Analysis and improvement of the genetic discovery component of XCS. International Journal of Hybrid Intelligent Systems, 2009, 6, 81-95.	0.9	5
9	Fuzzy-UCS: A Michigan-Style Learning Fuzzy-Classifier System for Supervised Learning. IEEE Transactions on Evolutionary Computation, 2009, 13, 260-283.	7.5	51
10	Facetwise Analysis of XCS for Problems With Class Imbalances. IEEE Transactions on Evolutionary Computation, 2009, 13, 1093-1119.	7.5	41
11	Evolutionary rule-based systems for imbalanced data sets. Soft Computing, 2009, 13, 213-225.	2.1	157
12	Genetic-based machine learning systems are competitive for pattern recognition. Evolutionary Intelligence, 2008, 1, 209-232.	2.3	49
13	Genetic-Based Synthetic Data Sets for the Analysis of Classifiers Behavior. , 2008, , .		11
14	New Crossover Operator for Evolutionary Rule Discovery in XCS. , 2008, , .		6
15	First approach toward on-line evolution of association rules with learning classifier systems. , 2008, , .		12
16	Toward evolving consistent, complete, and compact fuzzy rule sets for classification problems. , 2008, , .		7
17	Preliminary approach on synthetic data sets generation based on class separability measure. , 2008, , .		17
18	Learning Classifier Systems in Data Mining: An Introduction. Studies in Computational Intelligence, 2008, , 1-15.	0.7	9

#	ARTICLE	IF	CITATIONS
19	A Comparative Study of Several Genetic-Based Supervised Learning Systems. <i>Studies in Computational Intelligence</i> , 2008, , 205-230.	0.7	5
20	Mining Imbalanced Data with Learning Classifier Systems. <i>Studies in Computational Intelligence</i> , 2008, , 123-145.	0.7	3
21	Learning Classifier Systems: Looking Back and Glimpsing Ahead. <i>Lecture Notes in Computer Science</i> , 2008, , 1-21.	1.0	16
22	Substructural Surrogates for Learning Decomposable Classification Problems. <i>Lecture Notes in Computer Science</i> , 2008, , 235-254.	1.0	3
23	Evolving Fuzzy Rules with UCS: Preliminary Results. <i>Lecture Notes in Computer Science</i> , 2008, , 57-76.	1.0	5
24	Revisiting UCS: Description, Fitness Sharing, and Comparison with XCS. <i>Lecture Notes in Computer Science</i> , 2008, , 96-116.	1.0	21
25	Approximate Versus Linguistic Representation in Fuzzy-UCS. <i>Lecture Notes in Computer Science</i> , 2008, , 722-729.	1.0	1
26	Fuzzy-UCS. , 2007, , .		13
27	Modeling selection pressure in XCS for proportionate and tournament selection. , 2007, , .		9
28	Substructural surrogates for learning decomposable classification problems. , 2007, , .		11
29	Modeling XCS in class imbalances. , 2007, , .		10
30	A Methodology for Analyzing Case Retrieval from a Clustered Case Memory. <i>Lecture Notes in Computer Science</i> , 2007, , 122-136.	1.0	8
31	Bounding XCS's parameters for unbalanced datasets. , 2006, , .		27
32	Multi-objective Learning Classifier Systems. , 2006, , 261-288.		7
33	Data Complexity and Evolutionary Learning. , 2006, , 115-134.		4
34	Multi-objective Learning Classifier Systems. , 2006, , 261-288.		0
35	Domain of Competence of XCS Classifier System in Complexity Measurement Space. <i>IEEE Transactions on Evolutionary Computation</i> , 2005, 9, 82-104.	7.5	92
36	The class imbalance problem in learning classifier systems. , 2005, , .		30

#	ARTICLE	IF	CITATIONS
37	Accuracy, Parsimony, and Generality in Evolutionary Learning Systems via Multiobjective Selection. Lecture Notes in Computer Science, 2003, , 118-142.	1.0	16
38	Accuracy-Based Learning Classifier Systems: Models, Analysis and Applications to Classification Tasks. Evolutionary Computation, 2003, 11, 209-238.	2.3	313
39	XCS and GALE: A Comparative Study of Two Learning Classifier Systems on Data Mining. Lecture Notes in Computer Science, 2002, , 115-132.	1.0	78