

Noelia Snchez-Maroo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

1,806
citations

15
h-index

42
g-index

56
ext. papers

2,218
ext. citations

5.1
avg, IF

5.13
L-index

#	Paper	IF	Citations
54	A review of feature selection methods on synthetic data. <i>Knowledge and Information Systems</i> , 2013 , 34, 483-519	2.4	381
53	A review of microarray datasets and applied feature selection methods. <i>Information Sciences</i> , 2014 , 282, 111-135	7.7	352
52	Recent advances and emerging challenges of feature selection in the context of big data. <i>Knowledge-Based Systems</i> , 2015 , 86, 33-45	7.3	158
51	An ensemble of filters and classifiers for microarray data classification. <i>Pattern Recognition</i> , 2012 , 45, 531-539	7.7	117
50	Feature selection and classification in multiple class datasets: An application to KDD Cup 99 dataset. <i>Expert Systems With Applications</i> , 2011 , 38, 5947-5957	7.8	117
49	Distributed feature selection: An application to microarray data classification. <i>Applied Soft Computing Journal</i> , 2015 , 30, 136-150	7.5	116
48	Filter Methods for Feature Selection [A Comparative Study 2007 , 178-187		89
47	Feature Selection for High-Dimensional Data. <i>The Artificial Intelligence: Foundationsory, and Algorithms</i> , 2015 ,	43	76
46	Feature selection for high-dimensional data. <i>Progress in Artificial Intelligence</i> , 2016 , 5, 65-75	4	60
45	Data classification using an ensemble of filters. <i>Neurocomputing</i> , 2014 , 135, 13-20	5.4	57
44	A framework for cost-based feature selection. <i>Pattern Recognition</i> , 2014 , 47, 2481-2489	7.7	48
43	A comparison of performance of K-complex classification methods using feature selection. <i>Information Sciences</i> , 2016 , 328, 1-14	7.7	27
42	A methodology for improving tear film lipid layer classification. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014 , 18, 1485-93	7.2	21
41	On the scalability of feature selection methods on high-dimensional data. <i>Knowledge and Information Systems</i> , 2018 , 56, 395-442	2.4	20
40	Reducing dimensionality in a database of sleep EEG arousals. <i>Expert Systems With Applications</i> , 2011 , 38, 7746-7754	7.8	17
39	On the effectiveness of discretization on gene selection of microarray data 2010 ,		15
38	An Agent-Based Model for Simulating Environmental Behavior in an Educational Organization. <i>Neural Processing Letters</i> , 2015 , 42, 89-118	2.4	12

37	A unified pipeline for online feature selection and classification. <i>Expert Systems With Applications</i> , 2016 , 55, 532-545	7.8	11
36	On the development of conjunctival hyperemia computer-assisted diagnosis tools: Influence of feature selection and class imbalance in automatic gradings. <i>Artificial Intelligence in Medicine</i> , 2016 , 71, 30-42	7.4	9
35	Toward the scalability of neural networks through feature selection. <i>Expert Systems With Applications</i> , 2013 , 40, 2807-2816	7.8	9
34	Functional network topology learning and sensitivity analysis based on ANOVA decomposition. <i>Neural Computation</i> , 2007 , 19, 231-57	2.9	9
33	Exploring the consequences of distributed feature selection in DNA microarray data 2017 ,		8
32	A Wrapper Method for Feature Selection in Multiple Classes Datasets. <i>Lecture Notes in Computer Science</i> , 2009 , 456-463	0.9	8
31	A Distributed Feature Selection Approach Based on a Complexity Measure. <i>Lecture Notes in Computer Science</i> , 2015 , 15-28	0.9	7
30	A Review of Microarray Datasets: Where to Find Them and Specific Characteristics. <i>Methods in Molecular Biology</i> , 2019 , 1986, 65-85	1.4	7
29	Testing Scenarios to Achieve Workplace Sustainability Goals Using Backcasting and Agent-Based Modeling. <i>Environment and Behavior</i> , 2017 , 49, 1007-1037	5.6	6
28	Multiclass classifiers vs multiple binary classifiers using filters for feature selection 2010 ,		4
27	Feature Selection Based on Sensitivity Analysis. <i>Lecture Notes in Computer Science</i> , 2007 , 239-248	0.9	4
26	Scaling Up Feature Selection: A Distributed Filter Approach. <i>Lecture Notes in Computer Science</i> , 2013 , 121-130	0.9	4
25	Insights into distributed feature ranking. <i>Information Sciences</i> , 2019 , 496, 378-398	7.7	4
24	Selecting target concept in one-class classification for handling class imbalance problem 2015 ,		3
23	On the behavior of feature selection methods dealing with noise and relevance over synthetic scenarios 2011 ,		3
22	Up-to-Date Feature Selection Methods for Scalable and Efficient Machine Learning 2013 , 1-26		3
21	Emerging Challenges. <i>The Artificial Intelligence: Foundations, and Algorithms</i> , 2015 , 125-132	43	3
20	Scalability Analysis of ANN Training Algorithms with Feature Selection. <i>Lecture Notes in Computer Science</i> , 2011 , 84-93	0.9	3

19	Functional Networks and Analysis of Variance for Feature Selection. <i>Lecture Notes in Computer Science</i> , 2006 , 1031-1038	0.9	3
18	Classification of Microarray Data. <i>Methods in Molecular Biology</i> , 2019 , 1986, 185-205	1.4	2
17	Real-Time Tear Film Classification Through Cost-Based Feature Selection. <i>Lecture Notes in Computer Science</i> , 2015 , 78-98	0.9	2
16	Interferential Tear Film Lipid Layer Classification: An Automatic Dry Eye Test 2012 ,		2
15	On the analysis of local and global features for hyperemia grading 2017 ,		1
14	Combining functional networks and sensitivity analysis as wrapper method for feature selection. <i>Expert Systems With Applications</i> , 2011 , 38, 12930-12938	7.8	1
13	Recovering Missing Data with Functional and Bayesian Networks. <i>Lecture Notes in Computer Science</i> , 2003 , 489-496	0.9	1
12	Designing Decision Trees for Representing Sustainable Behaviours in Agents. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 169-176	0.4	1
11	One-Class Classification for Microarray Datasets with Feature Selection. <i>Communications in Computer and Information Science</i> , 2015 , 325-334	0.3	1
10	An Improved Version of the Wrapper Feature Selection Method Based on Functional Decomposition. <i>Lecture Notes in Computer Science</i> , 2007 , 240-249	0.9	1
9	An Agent-Based Prototype for Enhancing Sustainability Behavior at an Academic Environment. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 257-264		1
8	A Decision-Making Model for Environmental Behavior in Agent-Based Modeling. <i>Lecture Notes in Computer Science</i> , 2013 , 152-160	0.9	1
7	Web-Based Multimedia Tools for Monitoring and E-Learning 2010 , 1-21		0
6	Interactions Matter: Modelling Everyday Pro-environmental Norm Transmission and Diffusion in Workplace Networks. <i>Understanding Complex Systems</i> , 2017 , 27-52	0.4	
5	Two-Class with Oversampling Versus One-Class Classification for Microarray Datasets. <i>Lecture Notes in Computer Science</i> , 2016 , 398-405	0.9	
4	Modelling Engineering Problems Using Dimensional Analysis for Feature Extraction. <i>Lecture Notes in Computer Science</i> , 2005 , 949-954	0.9	
3	An Auto-learning System for the Classification of Fetal Heart Rate Decelerative Patterns. <i>Lecture Notes in Computer Science</i> , 2001 , 393-400	0.9	
2	A Privacy-Preserving Distributed and Incremental Learning Method for Intrusion Detection. <i>Lecture Notes in Computer Science</i> , 2010 , 415-421	0.9	

- 1 Generating a Synthetic Population of Agents Through Decision Trees and Socio Demographic Data. *Lecture Notes in Computer Science*, **2021**, 128-140 0.9