Jose M Puerta

List of Publications by Year
in descending order

77 papers	1,393 citations	471371 17 h-index	345118 36 g-index
78 all docs	78 docs citations	78 times ranked	1463 citing authors

#	Article	IF	Citations
1	Factual and Counterfactual Explanations in Fuzzy Classification Trees. IEEE Transactions on Fuzzy Systems, 2022, 30, 5484-5495.	6.5	6
2	Ranking-based scores for the assessment of aesthetic quality in photography. Signal Processing: Image Communication, 2022, 108, 116803.	1.8	0
3	Efficient and accurate structural fusion of Bayesian networks. Information Fusion, 2021, 66, 155-169.	11.7	12
4	STree: A Single Multi-class Oblique Decision Tree Based on Support VectorÂMachines. Lecture Notes in Computer Science, 2021, , 54-64.	1.0	2
5	An Application for Aesthetic Quality Assessment in Photography with Interpretability Features. Entropy, 2021, 23, 1389.	1.1	5
6	A Bayesian Network approach to study the relationships between several neuromuscular performance measures and dynamic postural control in futsal players. PLoS ONE, 2019, 14, e0220065.	1.1	23
7	Structural Fusion/Aggregation of Bayesian Networks via Greedy Equivalence Search Learning Algorithm. Lecture Notes in Computer Science, 2019, , 432-443.	1.0	0
8	CiDAEN: An Online Data Science Course. Communications in Computer and Information Science, 2019, , 113-124.	0.4	0
9	On the use of local search heuristics to improve GES-based Bayesian network learning. Applied Soft Computing Journal, 2018, 64, 366-376.	4.1	16
10	A Preventive Model for Muscle Injuries. Medicine and Science in Sports and Exercise, 2018, 50, 915-927.	0.2	65
11	Adapting the CMIM algorithm for multilabel feature selection. A comparison with existing methods. Expert Systems, 2018, 35, e12230.	2.9	5
12	Drawing a baseline in aesthetic quality assessment. , 2018, , .		0
13	Learning distributed discrete Bayesian Network Classifiers under MapReduce with Apache Spark. Knowledge-Based Systems, 2017, 117, 16-26.	4.0	27
14	CTU splitting algorithm for H.264/AVC and HEVC simultaneous encoding. Journal of Supercomputing, 2017, 73, 190-202.	2.4	3
15	Volume, variety and velocity in Data Science. Knowledge-Based Systems, 2017, 117, 1-2.	4.0	4
16	Guest Editorial: Recent Trends in Intelligent Systems. International Journal of Intelligent Systems, 2017, 32, 107-108.	3.3	0
17	Integration of contextual information into the scene classification problem. Robotics and Autonomous Systems, 2017, 97, 171-181.	3.0	1
18	OC1-DE: A Differential Evolution Based Approach for Inducing Oblique Decision Trees. Lecture Notes in Computer Science, 2017, , 427-438.	1.0	6

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19	An Application of Dynamic Bayesian Networks to Condition Monitoring and Fault Prediction in a Sensored System: a Case Study. International Journal of Computational Intelligence Systems, 2017, 10, 176.	1.6	17
20	Construction of a Semi-Naive Model to Predict Early Readmission of COPD Patients by Using Quality Care Information. , 2016, , .		0
21	Comparison between Bayesian network classifiers and SVMs for semantic localization. Expert Systems With Applications, 2016, 64, 434-443.	4.4	14
22	Low-complexity heterogeneous architecture for H.264/HEVC video transcoding. Journal of Real-Time Image Processing, 2016, 12, 311-327.	2.2	7
23	A scalable pairwise class interaction framework for multidimensional classification. International Journal of Approximate Reasoning, 2016, 68, 194-210.	1.9	13
24	Adaptive Fast Quadtree Level Decision Algorithm for H.264 to HEVC Video Transcoding. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 154-168.	5.6	27
25	Structural Learning of Bayesian Networks Via Constrained Hill Climbing Algorithms: Adjusting Trade-off between Efficiency and Accuracy. International Journal of Intelligent Systems, 2015, 30, 292-325.	3.3	11
26	Scalable Learning of k-dependence Bayesian Classifiers under MapReduce. , 2015, , .		4
27	A Data-Driven Probabilistic CTU Splitting Algorithm for Fast H.264/HEVC Video Transcoding. , 2015, , .		4
28	Ant Colony and Surrogate Tree-Structured Models for Orderings-Based Bayesian Network Learning. , 2015, , .		2
29	Automatic quantification of the subcellular localization of chimeric GFP protein supported by a two-level Naive Bayes classifier. Expert Systems With Applications, 2015, 42, 1531-1537.	4.4	3
30	Speeding up incremental wrapper feature subset selection with Naive Bayes classifier. Knowledge-Based Systems, 2014, 55, 140-147.	4.0	130
31	A Pairwise Class Interaction Framework for Multilabel Classification. Lecture Notes in Computer Science, 2014, , 17-32.	1.0	2
32	Scaling up the Greedy Equivalence Search algorithm by constraining the search space of equivalence classes. International Journal of Approximate Reasoning, 2013, 54, 429-451.	1.9	28
33	Learning more Accurate Bayesian Networks in the CHC Approach by Adjusting the Trade-Off between Efficiency and Accuracy. Lecture Notes in Computer Science, 2013, , 310-320.	1.0	1
34	Single- and Multi-label Prediction of Burden on Families of Schizophrenia Patients. Lecture Notes in Computer Science, 2013, , 115-124.	1.0	2
35	Design and simulation of a thermal comfort adaptive system based on fuzzy logic and on-line learning. Energy and Buildings, 2012, 49, 367-379.	3.1	61
36	One iteration CHC algorithm for learning Bayesian networks: an effective and efficient algorithm for high dimensional problems. Progress in Artificial Intelligence, 2012, 1, 329-346.	1.5	5

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37	Fast wrapper feature subset selection in high-dimensional datasets by means of filter re-ranking. Knowledge-Based Systems, 2012, 25, 35-44.	4.0	131
38	Learning Probabilistic Graphical Models. Advances in Medical Technologies and Clinical Practice Book Series, 2012, , 223-236.	0.3	0
39	Efficient and sound evaluation when learning Bayesian networks in the space of orderings based on local methods. , 2011, , .		0
40	A study on different backward feature selection criteria over high-dimensional databases. , 2011, , .		0
41	On the discovery of association rules by means of evolutionary algorithms. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2011, 1, 397-415.	4.6	35
42	Learning Bayesian networks by hill climbing: efficient methods based on progressive restriction of the neighborhood. Data Mining and Knowledge Discovery, 2011, 22, 106-148.	2.4	136
43	Structural learning of Bayesian networks using local algorithms based on the space of orderings. Soft Computing, 2011, 15, 1881-1895.	2.1	11
44	Handling numeric attributes when comparing Bayesian network classifiers: does the discretization method matter?. Applied Intelligence, 2011, 34, 372-385.	3.3	34
45	Improving the performance of Naive Bayes multinomial in e-mail foldering by introducing distribution-based balance of datasets. Expert Systems With Applications, 2011, 38, 2072-2080.	4.4	60
46	A GRASP algorithm for fast hybrid (filter-wrapper) feature subset selection in high-dimensional datasets. Pattern Recognition Letters, 2011, 32, 701-711.	2.6	99
47	IMPROVING INCREMENTAL WRAPPER-BASED SUBSET SELECTION VIA REPLACEMENT AND EARLY STOPPING. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 605-625.	0.7	30
48	Global Feature Subset Selection on High-Dimensional Datasets Using Re-ranking-based EDAs. Lecture Notes in Computer Science, 2011, , 54-63.	1.0	2
49	Scaling Up the Greedy Equivalence Search Algorithm by Constraining the Search Space of Equivalence Classes. Lecture Notes in Computer Science, 2011, , 194-205.	1.0	0
50	Enhancing Incremental Feature Subset Selection in High-Dimensional Databases by Adding a Backward Step. , 2011, , 93-97.		0
51	Learning cooperative linguistic fuzzy rules using fast local search algorithms. , 2010, , .		2
52	Improving Incremental Wrapper-Based Feature Subset Selection by Using Re-ranking. Lecture Notes in Computer Science, 2010, , 580-589.	1.0	1
53	ISDM at ImageCLEF 2010 Fusion Task. Lecture Notes in Computer Science, 2010, , 109-118.	1.0	1
54	Analyzing the Impact of the Discretization Method When Comparing Bayesian Classifiers. Lecture Notes in Computer Science, 2010, , 570-579.	1.0	1

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55	Structural Learning of Bayesian Networks by Using Variable Neighbourhood Search Based on the Space of Orderings. , 2009, , .		1
56	Avoiding premature convergence in estimation of distribution algorithms. , 2009, , .		6
57	GAODE and HAODE. , 2009, , .		12
58	Evolutionary and metaheuristics based data mining. Soft Computing, 2009, 13, 209-212.	2.1	6
59	Learning weighted linguistic fuzzy rules by using specifically-tailored hybrid estimation of distribution algorithms. International Journal of Approximate Reasoning, 2009, 50, 541-560.	1.9	11
60	Incremental Wrapper-based subset Selection with replacement: An advantageous alternative to sequential forward selection. , 2009, , .		25
61	HODE: Hidden One-Dependence Estimator. Lecture Notes in Computer Science, 2009, , 481-492.	1.0	8
62	Improved EDNA (estimation of dependency networks algorithm) using combining function with bivariate probability distributions. , 2008, , .		3
63	Gait Optimization in AIBO Robots Using an Estimation of Distribution Algorithm. , 2008, , .		1
64	Improving Revisitation Browsers Capability by Using a Dynamic Bookmarks Personal Toolbar. , 2007, , 643-652.		1
65	Initial breeding value prediction on Manchego sheep by using rule-based systems. Expert Systems With Applications, 2007, 33, 96-109.	4.4	3
66	EDNA: Estimation of Dependency Networks Algorithm. Lecture Notes in Computer Science, 2007, , 427-436.	1.0	6
67	A Fast Hill-Climbing Algorithm for Bayesian Networks Structure Learning. Lecture Notes in Computer Science, 2007, , 585-597.	1.0	10
68	Learning Bayesian Classifiers from Dependency Network Classifiers. Lecture Notes in Computer Science, 2007, , 806-813.	1.0	1
69	Initial approaches to the application of islands-based parallel EDAs in continuous domains. Journal of Parallel and Distributed Computing, 2006, 66, 991-1001.	2.7	13
70	Improvement in the Performance of Island Based Genetic Algorithms Through Path Relinking. Lecture Notes in Computer Science, 2006, , 42-56.	1.0	0
71	Learning Linguistic Fuzzy Rules by Using Estimation of Distribution Algorithms as the Search Engine in the COR Methodology. , 2006, , 259-280.		0
72	Migration of Probability Models Instead of Individuals: An Alternative When Applying the Island Model to EDAs. Lecture Notes in Computer Science, 2004, , 242-252.	1.0	23

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73	Heuristic Based Sampling in Estimation of Distribution Algorithms: An Initial Approach. Lecture Notes in Computer Science, 2004, , 384-393.	1.0	1
74	An iterated local search algorithm for learning Bayesian networks with restarts based on conditional independence tests. International Journal of Intelligent Systems, 2003, 18, 221-235.	3.3	17
75	Ant colony optimization for learning Bayesian networks. International Journal of Approximate Reasoning, 2002, 31, 291-311.	1.9	158
76	Searching for the best elimination sequence in Bayesian networks by using ant colony optimization. Pattern Recognition Letters, 2002, 23, 261-277.	2.6	35
77	Initial Approaches to the Application of Islands-Based Parallel EDAs in Continuous Domains. , 0, , .		1