SebastiÃ¡n Ventura

List of Publications by Year
in descending order

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235	11,784	57631 44	30848 102
papers	citations	h-index	g-index

245	245	245	7335
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improving the understanding of cancer in a descriptive way: An emerging pattern miningâ€based approach. International Journal of Intelligent Systems, 2022, 37, 2822-2848.	3.3	5
2	Auto-adaptive Grammar-Guided Genetic Programming algorithm to build Ensembles of Multi-Label Classifiers. Information Fusion, 2022, 78, 1-19.	11.7	7
3	Design of peer assessment rubrics for ICT topics. Journal of Computing in Higher Education, 2022, 34, 211-241.	3.9	0
4	An ensemble-based convolutional neural network model powered by a genetic algorithm for melanoma diagnosis. Neural Computing and Applications, 2022, 34, 10429-10448.	3.2	12
5	Modeling and predicting studentsâ€™ engagement behaviors using mixture Markov models. Knowledge and Information Systems, 2022, 64, 1349-1384.	2.1	7
6	Course Recommendation based on Sequences: An Evolutionary Search of Emerging Sequential Patterns. Cognitive Computation, 2022, 14, 1474-1495.	3.6	5
7	Data mining in predictive maintenance systems: A taxonomy and systematic review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2022, 12, .	4.6	10
8	A semantically enriched text mining system for clinical decision support. Computational Intelligence, 2021, 37, 1545-1570.	2.1	0
9	Convolutional neural networks for the automatic diagnosis of melanoma: An extensive experimental study. Medical Image Analysis, 2021, 67, 101858.	7.0	44
10	Mining local periodic patterns in a discrete sequence. Information Sciences, 2021, 544, 519-548.	4.0	28
11	Classification Accuracy of Hepatitis C Virus Infection Outcome: Data Mining Approach. Journal of Medical Internet Research, 2021, 23, e18766.	2.1	2
12	CRBA: A Competitive Rate-Based Algorithm Based on Competitive Spiking Neural Networks. Frontiers in Computational Neuroscience, 2021, 15, 627567.	1.2	2
13	A propositionalization method of multi-relational data based on Grammar-Guided Genetic Programming. Expert Systems With Applications, 2021, 168, 114263.	4.4	2
14	Performing multi-target regression via gene expression programming-based ensemble models. Neurocomputing, 2021, 432, 275-287.	3.5	9
15	Melanoma Recognition by Fusing Convolutional Blocks and Dynamic Routing between Capsules. Cancers, 2021, 13, 4974.	1.7	13
16	Peer assessment using soft computing techniques. Journal of Computing in Higher Education, 2021, 33, 684-726.	3.9	4
17	Dysregulated splicing factor SF3B1 unveils a dual therapeutic vulnerability to target pancreatic cancer cells and cancer stem cells with an anti-splicing drug. Journal of Experimental and Clinical Cancer Research, 2021, 40, 382.	3.5	25
18	Distributed multi-label feature selection using individual mutual information measures. Knowledge-Based Systems, 2020, 188, 105052.	4.0	85

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19	Dysregulation of the splicing machinery is directly associated to aggressiveness of prostate cancer. EBioMedicine, 2020, 51, 102547.	2.7	71
20	LAC: Library for associative classification. Knowledge-Based Systems, 2020, 193, 105432.	4.0	14
21	Predicting literatureâ€™s early impact with sentiment analysis in Twitter. Knowledge-Based Systems, 2020, 192, 105383.	4.0	46
22	A supervised machine learning-based methodology for analyzing dysregulation in splicing machinery: An application in cancer diagnosis. Artificial Intelligence in Medicine, 2020, 108, 101950.	3.8	8
23	Extracting User-Centric Knowledge on Two Different Spaces: Concepts and Records. IEEE Access, 2020, 8, 134782-134799.	2.6	5
24	Tree-Shaped Ensemble of Multi-Label Classifiers using Grammar-Guided Genetic Programming. , 2020, , .		2
25	Exceptional in so Many Waysâ€"Discovering Descriptors That Display Exceptional Behavior on Contrasting Scenarios. IEEE Access, 2020, 8, 200982-200994.	2.6	1
26	Splicing machinery dysregulation drives glioblastoma development/aggressiveness: oncogenic role of SRSF3. Brain, 2020, 143, 3273-3293.	3.7	54
27	Tweet Coupling: a social media methodology for clustering scientific publications. Scientometrics, 2020, 124, 973-991.	1.6	15
28	Combining multi-label classifiers based on projections of the output space using Evolutionary algorithms. Knowledge-Based Systems, 2020, 196, 105770.	4.0	11
29	Educational data mining and learning analytics: An updated survey. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2020, 10, e1355.	4.6	332
30	Heuristics for interesting class association rule mining a colorectal cancer database. Information Processing and Management, 2020, 57, 102207.	5.4	15
31	Fast Convergence of Competitive Spiking Neural Networks with Sample-Based Weight Initialization. Communications in Computer and Information Science, 2020, , 773-786.	0.4	2
32	Multi-view Genetic Programming Learning to Obtain Interpretable Rule-Based Classifiers for Semi-supervised Contexts. Lessons Learnt. International Journal of Computational Intelligence Systems, 2020, 13, 576.	1.6	5
33	Subgroup discovery in MOOCs: a big data application for describing different types of learners. Interactive Learning Environments, 2019, , 1-19.	4.4	9
34	Obtaining Tractable and Interpretable Descriptions for Cases with Complications from a Colorectal Cancer Database. , 2019, , .		0
35	Discovering Studentsâ€™ Engagement Behaviors in Confidence-based Assessment. , 2019, , .		2
36	Frequent itemset mining: A 25 years review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2019, 9, e1329.	4.6	138

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37	Distributed Selection of Continuous Features in Multilabel Classification Using Mutual Information. IEEE Transactions on Neural Networks and Learning Systems, 2019, 31, 1-14.	7.2	15
38	A Supervised Methodology for Analyzing Dysregulation in Splicing Machinery: An Application in Cancer Diagnosis. , 2019, , .		0
39	An advanced review on text mining in medicine. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2019, 9, e1302.	4.6	25
40	A Grammar-Guided Genetic Programing Algorithm for Associative Classification in Big Data. Cognitive Computation, 2019, 11, 331-346.	3.6	18
41	Dysregulation of the Splicing Machinery Is Associated to the Development of Nonalcoholic Fatty Liver Disease. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 3389-3402.	1.8	52
42	ARFF Data Source Library for Distributed Single/Multiple Instance, Single/Multiple Output Learning on Apache Spark. Lecture Notes in Computer Science, 2019, , 173-179.	1.0	0
43	WordificationMI: multi-relational data mining through multiple-instance propositionalization. Progress in Artificial Intelligence, 2019, 8, 375-387.	1.5	1
44	Virtual learning environment to predict withdrawal by leveraging deep learning. International Journal of Intelligent Systems, 2019, 34, 1935-1952.	3.3	53
45	Guest Editorial: Special Issue on Early Prediction and Supporting of Learning Performance. IEEE Transactions on Learning Technologies, 2019, 12, 145-147.	2.2	20
46	LEAC: An efficient library for clustering with evolutionary algorithms. Knowledge-Based Systems, 2019, 179, 117-119.	4.0	8
47	Signal speech reconstruction and noise removal using convolutional denoising audioencoders with neural deep learning. Analog Integrated Circuits and Signal Processing, 2019, 100, 501-512.	0.9	19
48	Performing Multi-Target Regression via a Parameter Sharing-Based Deep Network. International Journal of Neural Systems, 2019, 29, 1950014.	3.2	55
49	JCLEC-MO: A Java suite for solving many-objective optimization engineering problems. Engineering Applications of Artificial Intelligence, 2019, 81, 14-28.	4.3	8
50	Evaluating associative classification algorithms for Big Data. Big Data Analytics, 2019, 4, .	2.2	11
51	A survey of many-objective optimisation in search-based software engineering. Journal of Systems and Software, 2019, 149, 382-395.	3.3	65
52	An evolutionary approach to build ensembles of multi-label classifiers. Information Fusion, 2019, 50, 168-180.	11.7	18
53	Associative Classification in Big Data through a G3P Approach. , 2019, , .		0
54	Speeding Up Classifier Chains in Multi-label Classification. , 2019, , .		4

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55	Parallelization strategies for markerless human motion capture. Journal of Real-Time Image Processing, 2018, 14, 453-467.	2.2	4
56	OLLAWV: OnLine Learning Algorithm using Worst-Violators. Applied Soft Computing Journal, 2018, 66, 384-393.	4.1	18
57	Mining Context-Aware Association Rules Using Grammar-Based Genetic Programming. IEEE Transactions on Cybernetics, 2018, 48, 3030-3044.	6.2	29
58	Evolutionary Strategy to Perform Batch-Mode Active Learning on Multi-Label Data. ACM Transactions on Intelligent Systems and Technology, 2018, 9, 1-26.	2.9	29
59	Statistical comparisons of active learning strategies over multiple datasets. Knowledge-Based Systems, 2018, 145, 274-288.	4.0	41
60	MIRSVM: Multi-instance support vector machine with bag representatives. Pattern Recognition, 2018, 79, 228-241.	5.1	24
61	Review of ensembles of multi-label classifiers: Models, experimental study and prospects. Information Fusion, 2018, 44, 33-45.	11.7	108
62	Distributed nearest neighbor classification for large-scale multi-label data on spark. Future Generation Computer Systems, 2018, 87, 66-82.	4.9	35
63	Apriori Versions Based on MapReduce for Mining Frequent Patterns on Big Data. IEEE Transactions on Cybernetics, 2018, 48, 2851-2865.	6.2	54
64	Effective active learning strategy for multi-label learning. Neurocomputing, 2018, 273, 494-508.	3.5	46
65	Changes in Splicing Machinery Components Influence, Precede, and Early Predict the Development of Type 2 Diabetes: From the CORDIOPREV Study. EBioMedicine, 2018, 37, 356-365.	2.7	29
66	Supervised Descriptive Pattern Mining. , 2018, , .		26
67	A gene expression programming method for multi-target regression. , 2018, , .		2
68	Class Association Rules. , 2018, , 99-128.		0
69	Introduction to Supervised Descriptive Pattern Mining. , 2018, , 1-31.		2
70	Contrast Sets. , 2018, , 33-51.		1
71	An ensemble-based method for the selection of instances in the multi-target regression problem. Integrated Computer-Aided Engineering, 2018, 25, 305-320.	2.5	8
72	Interactive multi-objective evolutionary optimization of software architectures. Information Sciences, 2018, 463-464, 92-109.	4.0	22

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73	A locally weighted learning method based on a data gravitation model for multi-target regression. International Journal of Computational Intelligence Systems, 2018, 11, 282.	1.6	14
74	A gene expression programming algorithm for discovering classification rules in the multi-objective space. International Journal of Computational Intelligence Systems, 2018, 11, 540.	1.6	2
75	Optimization of quality measures in association rule mining: an empirical study. International Journal of Computational Intelligence Systems, 2018, 12, 59.	1.6	19
76	Emerging Patterns. , 2018, , 53-70.		0
77	Subgroup Discovery. , 2018, , 71-98.		0
78	Successful Applications. , 2018, , 171-185.		0
79	Exceptional Models. , 2018, , 129-149.		0
80	Multi-objective genetic programming for feature extraction and data visualization. Soft Computing, 2017, 21, 2069-2089.	2.1	37
81	MLDA: A tool for analyzing multi-label datasets. Knowledge-Based Systems, 2017, 121, 1-3.	4.0	20
82	Exhaustive search algorithms to mine subgroups on Big Data using Apache Spark. Progress in Artificial Intelligence, 2017, 6, 145-158.	1.5	11
83	Extremely high-dimensional optimization with MapReduce: Scaling functions and algorithm. Information Sciences, 2017, 415-416, 110-127.	4.0	21
84	Evaluation and comparison of open source software suites for data mining and knowledge discovery. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2017, 7, e1204.	4.6	21
85	Mining association rules on Big Data through MapReduce genetic programming. Integrated Computer-Aided Engineering, 2017, 25, 31-48.	2.5	35
86	Multi-target support vector regression via correlation regressor chains. Information Sciences, 2017, 415-416, 53-69.	4.0	106
87	Multi-view semi-supervised learning using genetic programming interpretable classification rules. , 2017, , .		2
88	An evolutionary algorithm for optimizing the target ordering in Ensemble of Regressor Chains. , 2017, , .		13
89	On the effect of local search in the multi-objective evolutionary discovery of software architectures. , 2017, , .		0
90	An evolutionary algorithm for mining rare association rules: A Big Data approach. , 2017, , .		7

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91	Educational data science in massive open online courses. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2017, 7, e1187.	4.6	74
92	Large-Scale Multi-label Ensemble Learning on Spark. , 2017, , .		6
93	Games and simulation in higher education. International Journal of Educational Technology in Higher Education, 2017, 14, .	4.5	24
94	Memetic Algorithms for the Automatic Discovery of Software Architectures. Advances in Intelligent Systems and Computing, 2017, , 437-447.	0.5	1
95	Mining Perfectly Rare Itemsets on Big Data: An Approach Based on Apriori-Inverse and MapReduce. Advances in Intelligent Systems and Computing, 2017, , 508-518.	0.5	3
96	Subgroup Discovery on Big Data: Exhaustive Methodologies Using Map-Reduce. , 2016, , .		5
97	Subgroup discovery on big data: Pruning the search space on exhaustive search algorithms. , 2016, , .		2
98	Mining exceptional relationships with grammar-guided genetic programming. Knowledge and Information Systems, 2016, 47, 571-594.	2.1	16
99	An ensemble-based approach for multi-view multi-label classification. Progress in Artificial Intelligence, 2016, 5, 251-259.	1.5	6
100	Early dropout prediction using data mining: a case study with high school students. Expert Systems, 2016, 33, 107-124.	2.9	191
101	Multi-instance Classification. , 2016, , 35-66.		0
102	Recommending degree studies according to studentsâ€™ attitudes in high school by means of subgroup discovery. International Journal of Computational Intelligence Systems, 2016, 9, 1101.	1.6	17
103	Multiple Instance Learning. , 2016, , .		41
104	A Data Structure to Speed-Up Machine Learning Algorithms on Massive Datasets. Lecture Notes in Computer Science, 2016, , 365-376.	1.0	10
105	Introduction to Pattern Mining. , 2016, , 1-26.		0
106	Quality Measures in Pattern Mining. , 2016, , 27-44.		1
107	Supervised Local Pattern Mining. , 2016, , 141-161.		1
108	Mining Exceptional Relationships Between Patterns. , 2016, , 163-176.		0

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109	Scalability in Pattern Mining. , 2016, , 177-190.		1
110	Introduction to Evolutionary Computation. , 2016, , 45-61.		0
111	Multiobjective Approaches in Pattern Mining. , 2016, , 119-139.		1
112	Discovering useful patterns from multiple instance data. Information Sciences, 2016, 357, 23-38.	4.0	13
113	Pattern Mining with Evolutionary Algorithms. , 2016, , .		52
114	ur-CAIM: improved CAIM discretization for unbalanced and balanced data. Soft Computing, 2016, 20, 173-188.	2.1	40
115	LAIM discretization for multi-label data. Information Sciences, 2016, 330, 370-384.	4.0	35
116	Effective lazy learning algorithm based on a data gravitation model for multi-label learning. Information Sciences, 2016, 340-341, 159-174.	4.0	21
117	Speeding-Up Association Rule Mining With Inverted Index Compression. IEEE Transactions on Cybernetics, 2016, 46, 3059-3072.	6.2	33
118	A comparative study of many-objective evolutionary algorithms for the discovery of software architectures. Empirical Software Engineering, 2016, 21, 2546-2600.	3.0	16
119	An algorithm evaluation for discovering classification rules with gene expression programming. International Journal of Computational Intelligence Systems, 2016, 9, 263.	1.6	7
120	Multiple Instance Learning. , 2016, , 17-33.		16
121	Multi-instance Regression. , 2016, , 127-140.		3
122	Unsupervised Multiple Instance Learning. , 2016, , 141-167.		1
123	Pattern Mining with Genetic Algorithms. , 2016, , 63-85.		3
124	Data Reduction. , 2016, , 169-189.		0
125	Genetic Programming in Pattern Mining. , 2016, , 87-117.		2
126	Improving Meta-learning for Algorithm Selection by Using Multi-label Classification: A Case of Study with Educational Data Sets. International Journal of Computational Intelligence Systems, 2015, 8, 1144.	1.6	7

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127	Discovering clues to avoid middle school failure at early stages. , 2015, , .		6
128	An evolutionary algorithm for the discovery of rare class association rules in learning management systems. Applied Intelligence, 2015, 42, 501-513.	3.3	53
129	An approach for the evolutionary discovery of software architectures. Information Sciences, 2015, 305, 234-255.	4.0	15
130	Scalable extensions of the ReliefF algorithm for weighting and selecting features on the multi-label learning context. Neurocomputing, 2015, 161, 168-182.	3.5	155
131	A Tutorial on Multilabel Learning. ACM Computing Surveys, 2015, 47, 1-38.	16.1	363
132	J. A. Larusson, B. White (eds): Learning Analytics: From Research to Practice. Technology, Knowledge and Learning, 2015, 20, 357-360.	3.1	6
133	An Extensible JCLEC-based Solution for the Implementation of Multi-Objective Evolutionary Algorithms. , 2015, , .		5
134	Speeding up multiple instance learning classification rules on GPUs. Knowledge and Information Systems, 2015, 44, 127-145.	2.1	20
135	Genetic Programming for Mining Association Rules in Relational Database Environments. , 2015, , 431-450.		16
136	Synthesis of In-Place Iterative Sorting Algorithms Using GP: A Comparison Between STGP, SFGP, G3P and GE. Lecture Notes in Computer Science, 2015, , 305-310.	1.0	1
137	Reducing gaps in quantitative association rules: A genetic programming free-parameter algorithm. Integrated Computer-Aided Engineering, 2014, 21, 321-337.	2.5	44
138	A Survey on Pre-Processing Educational Data. Studies in Computational Intelligence, 2014, , 29-64.	0.7	48
139	Impact of HbA1c Measurement on Hospital Readmission Rates: Analysis of 70,000 Clinical Database Patient Records. BioMed Research International, 2014, 2014, 1-11.	0.9	188
140	Single and multi-objective ant programming for mining interesting rare association rules. International Journal of Hybrid Intelligent Systems, 2014, 11, 197-209.	0.9	2
141	Evolutionary feature weighting to improve the performance of multi-label lazy algorithms. Integrated Computer-Aided Engineering, 2014, 21, 339-354.	2.5	38
142	GPU-parallel subtree interpreter for genetic programming. , 2014, , .		12
143	Multiâ€label learning: a review of the state of the art and ongoing research. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2014, 4, 411-444.	4.6	130
144	On the adaptability of G3PARM to the extraction of rare association rules. Knowledge and Information Systems, 2014, 38, 391-418.	2.1	28

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145	Swarmâ€based metaheuristics in automatic programming: a survey. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2014, 4, 445-469.	4.6	11
146	On the Use of Genetic Programming for Mining Comprehensible Rules in Subgroup Discovery. IEEE Transactions on Cybernetics, 2014, 44, 2329-2341.	6.2	40
147	Parallel evaluation of Pittsburgh rule-based classifiers on GPUs. Neurocomputing, 2014, 126, 45-57.	3.5	17
148	Scalable CAIM discretization on multiple GPUs using concurrent kernels. Journal of Supercomputing, 2014, 69, 273-292.	2.4	8
149	On the performance of multiple objective evolutionary algorithms for software architecture discovery. , 2014, , .		9
150	Classification Rule Mining with Iterated Greedy. Lecture Notes in Computer Science, 2014, , 585-596.	1.0	4
151	Ant Programming Algorithms for Classification. Advances in Data Mining and Database Management Book Series, 2014, , 107-128.	0.4	1
152	Web usage mining for predicting final marks of students that use Moodle courses. Computer Applications in Engineering Education, 2013, 21, 135-146.	2.2	198
153	Association rule mining using genetic programming to provide feedback to instructors from multipleâ€choice quiz data. Expert Systems, 2013, 30, 162-172.	2.9	58
154	Predicting students' final performance from participation in on-line discussion forums. Computers and Education, 2013, 68, 458-472.	5.1	404
155	HyDR-MI: A hybrid algorithm to reduce dimensionality in multiple instance learning. Information Sciences, 2013, 222, 282-301.	4.0	19
156	On the use of ant programming for mining rare association rules. , 2013, , .		1
157	An interpretable classification rule mining algorithm. Information Sciences, 2013, 240, 1-20.	4.0	63
158	DRAL: a tool for discovering relevant e-activities for learners. Knowledge and Information Systems, 2013, 36, 211-250.	2.1	10
159	Data mining in education. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2013, 3, 12-27.	4.6	515
160	Parallel multi-objective Ant Programming for classification using GPUs. Journal of Parallel and Distributed Computing, 2013, 73, 713-728.	2.7	22
161	Predicting student failure at school using genetic programming and different data mining approaches with high dimensional and imbalanced data. Applied Intelligence, 2013, 38, 315-330.	3.3	152
162	Predicting School Failure and Dropout by Using Data Mining Techniques. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2013, 8, 7-14.	0.7	82

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163	Grammar-based multi-objective algorithms for mining association rules. Data and Knowledge Engineering, 2013, 86, 19-37.	2.1	28
164	Weighted Data Gravitation Classification for Standard and Imbalanced Data. IEEE Transactions on Cybernetics, 2013, 43, 1672-1687.	6.2	90
165	High performance evaluation of evolutionary-mined association rules on GPUs. Journal of Supercomputing, 2013, 66, 1438-1461.	2.4	43
166	A novel component identification approach using evolutionary programming. , 2013, , .		2
167	Mining association rules with single and multi-objective grammar guided ant programming. Integrated Computer-Aided Engineering, 2013, 20, 217-234.	2.5	24
168	Discovering Subgroups by Means of Genetic Programming. Lecture Notes in Computer Science, 2013, , 121-132.	1.0	8
169	A Grammar-Guided Genetic Programming Algorithm for Multi-Label Classification. Lecture Notes in Computer Science, 2013, , 217-228.	1.0	3
170	Classification rule mining using ant programming guided by grammar with multiple Pareto fronts. Soft Computing, 2012, 16, 2143-2163.	2.1	17
171	A genetic programming free-parameter algorithm for mining association rules. , 2012, , .		1
172	VisualJCLEC: A visual framework for evolutionary computation. , 2012, , .		1
173	Learning similarity metric to improve the performance of lazy multi-label ranking algorithms. , 2012, , .		3
174	Multi-instance genetic programming for predicting student performance in web based educational environments. Applied Soft Computing Journal, 2012, 12, 2693-2706.	4.1	29
175	Binary and multiclass imbalanced classification using multi-objective ant programming. , 2012, , .		2
176	Multi-objective approach based on grammar-guided genetic programming for solving multiple instance problems. Soft Computing, 2012, 16, 955-977.	2.1	4
177	Design and behavior study of a grammar-guided genetic programming algorithm for mining association rules. Knowledge and Information Systems, 2012, 32, 53-76.	2.1	67
178	ReliefF-MI: An extension of ReliefF to multiple instance learning. Neurocomputing, 2012, 75, 210-218.	3.5	28
179	Speeding up the evaluation phase of GP classification algorithms on GPUs. Soft Computing, 2012, 16, 187-202.	2.1	38
180	Multi-Objective Ant Programming for Mining Classification Rules. Lecture Notes in Computer Science, 2012, , 146-157.	1.0	4

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181	Mining and representing rare association rules through the use of genetic programming. , 2011, , .		1
182	An EP algorithm for learning highly interpretable classifiers. , 2011, , .		7
183	Subgroup discovery in an e-learning usage study based on Moodle. , 2011, , .		9
184	Association rule mining using a multi-objective grammar-based ant programming algorithm. , 2011, , .		12
185	Using Ant Programming Guided by Grammar for Building Rule-Based Classifiers. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1585-1599.	5.5	29
186	Multiple instance learning for classifying students in learning management systems. Expert Systems With Applications, 2011, 38, 15020-15031.	4.4	48
187	A collaborative educational association rule mining tool. Internet and Higher Education, 2011, 14, 77-88.	4.2	95
188	Preface to the special issue on data mining for personalised educational systems. User Modeling and User-Adapted Interaction, 2011, 21, 1-3.	2.9	7
189	RM-Tool: A framework for discovering and evaluating association rules. Advances in Engineering Software, 2011, 42, 566-576.	1.8	23
190	Multiple Instance Learning with Multiple Objective Genetic Programming for Web Mining. Applied Soft Computing Journal, 2011, 11, 93-102.	4.1	22
191	A Parallel Genetic Programming Algorithm for Classification. Lecture Notes in Computer Science, 2011, , 172-181.	1.0	6
192	JCLEC Meets WEKA!. Lecture Notes in Computer Science, 2011, , 388-395.	1.0	0
193	G3P-MI: A genetic programming algorithm for multiple instance learning. Information Sciences, 2010, 180, 4496-4513.	4.0	27
194	Grammar guided genetic programming for multiple instance learning. , 2010, , .		0
195	A Survey on the Application of Genetic Programming to Classification. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2010, 40, 121-144.	3.3	435
196	Educational Data Mining: A Review of the State of the Art. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2010, 40, 601-618.	3.3	1,232
197	G3PARM: A Grammar Guided Genetic Programming algorithm for mining association rules. , 2010, , .		8
198	Feature selection is the ReliefF for multiple instance learning. , 2010, , .		4

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199	Evolutionary algorithms for subgroup discovery applied to e-learning data. , 2010, , .		15
200	A grammar based Ant Programming algorithm for mining classification rules. , 2010, , .		7
201	An intruder detection approach based on infrequent rating pattern mining. , 2010, , .		3
202	An Automatic Programming ACO-Based Algorithm for Classification Rule Mining. Advances in Intelligent and Soft Computing, 2010, , 649-656.	0.2	2
203	Evolving Multi-label Classification Rules with Gene Expression Programming: A Preliminary Study. Lecture Notes in Computer Science, 2010, , 9-16.	1.0	9
204	Solving Classification Problems Using Genetic Programming Algorithms on GPUs. Lecture Notes in Computer Science, 2010, , 17-26.	1.0	9
205	Analysis of the Effectiveness of G3PARM Algorithm. Lecture Notes in Computer Science, 2010, , 27-34.	1.0	2
206	Reducing Dimensionality in Multiple Instance Learning with a Filter Method. Lecture Notes in Computer Science, 2010, , 35-44.	1.0	4
207	Web Usage Mining for Improving Students Performance in Learning Management Systems. Lecture Notes in Computer Science, 2010, , 439-449.	1.0	1
208	Using mobile and webâ€based computerized tests to evaluate university students. Computer Applications in Engineering Education, 2009, 17, 435-447.	2.2	56
209	KEEL: a software tool to assess evolutionary algorithms for data mining problems. Soft Computing, 2009, 13, 307-318.	2.1	1,165
210	An architecture for making recommendations to courseware authors using association rule mining and collaborative filtering. User Modeling and User-Adapted Interaction, 2009, 19, 99-132.	2.9	115
211	Evolutionary algorithms for subgroup discovery in e-learning: A practical application using Moodle data. Expert Systems With Applications, 2009, 36, 1632-1644.	4.4	80
212	Multi-instance genetic programming for web index recommendation. Expert Systems With Applications, 2009, 36, 11470-11479.	4.4	24
213	Applying Web usage mining for personalizing hyperlinks in Web-based adaptive educational systems. Computers and Education, 2009, 53, 828-840.	5.1	126
214	Multi-label Classification with Gene Expression Programming. Lecture Notes in Computer Science, 2009, , 629-637.	1.0	8
215	A Niching Algorithm to Learn Discriminant Functions with Multi-Label Patterns. Lecture Notes in Computer Science, 2009, , 570-577.	1.0	4
216	A Comparison of Multi-objective Grammar-Guided Genetic Programming Methods to Multiple Instance Learning. Lecture Notes in Computer Science, 2009, , 450-458.	1.0	0

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217	Data mining in course management systems: Moodle case study and tutorial. Computers and Education, 2008, 51, 368-384.	5.1	704
218	Multiple Instance Learning with MultiObjective Genetic Programming for Web Mining. , 2008, , .		2
219	Multiple Instance Learning with Genetic Programming for Web Mining. , 2007, , 919-927.		5
220	Personalized Links Recommendation Based on Data Mining in Adaptive Educational Hypermedia Systems. Lecture Notes in Computer Science, 2007, , 292-306.	1.0	41
221	Educational data mining: A survey from 1995 to 2005. Expert Systems With Applications, 2007, 33, 135-146.	4.4	952
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