

Sebastin Ventura

List of Publications by Year in Descending Order

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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.

222
papers

7,986
citations

37
h-index

85
g-index

245
ext. papers

9,724
ext. citations

4.8
avg, IF

6.76
L-index

#	Paper	IF	Citations
222	Auto-adaptive Grammar-Guided Genetic Programming algorithm to build Ensembles of Multi-Label Classifiers. <i>Information Fusion</i> , 2022 , 78, 1-19	16.7	0
221	Peer assessment using soft computing techniques. <i>Journal of Computing in Higher Education</i> , 2021 , 33, 684	3.5	1
220	Melanoma Recognition by Fusing Convolutional Blocks and Dynamic Routing between Capsules. <i>Cancers</i> , 2021 , 13,	6.6	1
219	CRBA: A Competitive Rate-Based Algorithm Based on Competitive Spiking Neural Networks. <i>Frontiers in Computational Neuroscience</i> , 2021 , 15, 627567	3.5	0
218	A propositionalization method of multi-relational data based on Grammar-Guided Genetic Programming. <i>Expert Systems With Applications</i> , 2021 , 168, 114263	7.8	0
217	Performing multi-target regression via gene expression programming-based ensemble models. <i>Neurocomputing</i> , 2021 , 432, 275-287	5.4	1
216	Convolutional neural networks for the automatic diagnosis of melanoma: An extensive experimental study. <i>Medical Image Analysis</i> , 2021 , 67, 101858	15.4	15
215	Mining local periodic patterns in a discrete sequence. <i>Information Sciences</i> , 2021 , 544, 519-548	7.7	11
214	Classification Accuracy of Hepatitis C Virus Infection Outcome: Data Mining Approach. <i>Journal of Medical Internet Research</i> , 2021 , 23, e18766	7.6	0
213	Dysregulated splicing factor SF3B1 unveils a dual therapeutic vulnerability to target pancreatic cancer cells and cancer stem cells with an anti-splicing drug. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021 , 40, 382	12.8	2
212	Splicing machinery dysregulation drives glioblastoma development/aggressiveness: oncogenic role of SRSF3. <i>Brain</i> , 2020 , 143, 3273-3293	11.2	14
211	Tweet Coupling: a social media methodology for clustering scientific publications. <i>Scientometrics</i> , 2020 , 124, 973-991	3	9
210	Combining multi-label classifiers based on projections of the output space using Evolutionary algorithms. <i>Knowledge-Based Systems</i> , 2020 , 196, 105770	7.3	5
209	Educational data mining and learning analytics: An updated survey. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2020 , 10, e1355	6.9	121
208	Heuristics for interesting class association rule mining a colorectal cancer database. <i>Information Processing and Management</i> , 2020 , 57, 102207	6.3	7
207	Distributed Selection of Continuous Features in Multilabel Classification Using Mutual Information. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 2280-2293	10.3	9
206	Fast Convergence of Competitive Spiking Neural Networks with Sample-Based Weight Initialization. <i>Communications in Computer and Information Science</i> , 2020 , 773-786	0.3	2

205	Dysregulation of the splicing machinery is directly associated to aggressiveness of prostate cancer. <i>EBioMedicine</i> , 2020 , 51, 102547	8.8	26
204	LAC: Library for associative classification. <i>Knowledge-Based Systems</i> , 2020 , 193, 105432	7.3	8
203	Predicting literature's early impact with sentiment analysis in Twitter. <i>Knowledge-Based Systems</i> , 2020 , 192, 105383	7.3	27
202	A supervised machine learning-based methodology for analyzing dysregulation in splicing machinery: An application in cancer diagnosis. <i>Artificial Intelligence in Medicine</i> , 2020 , 108, 101950	7.4	2
201	Extracting User-Centric Knowledge on Two Different Spaces: Concepts and Records. <i>IEEE Access</i> , 2020 , 8, 134782-134799	3.5	4
200	Tree-Shaped Ensemble of Multi-Label Classifiers using Grammar-Guided Genetic Programming 2020 ,		2
199	Exceptional in so Many Ways Discovering Descriptors That Display Exceptional Behavior on Contrasting Scenarios. <i>IEEE Access</i> , 2020 , 8, 200982-200994	3.5	1
198	Distributed multi-label feature selection using individual mutual information measures. <i>Knowledge-Based Systems</i> , 2020 , 188, 105052	7.3	39
197	An advanced review on text mining in medicine. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2019 , 9, e1302	6.9	11
196	A Grammar-Guided Genetic Programming Algorithm for Associative Classification in Big Data. <i>Cognitive Computation</i> , 2019 , 11, 331-346	4.4	10
195	Dysregulation of the Splicing Machinery Is Associated to the Development of Nonalcoholic Fatty Liver Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 3389-3402	5.6	25
194	ARFF Data Source Library for Distributed Single/Multiple Instance, Single/Multiple Output Learning on Apache Spark. <i>Lecture Notes in Computer Science</i> , 2019 , 173-179	0.9	
193	WordificationMI: multi-relational data mining through multiple-instance propositionalization. <i>Progress in Artificial Intelligence</i> , 2019 , 8, 375-387	4	1
192	Virtual learning environment to predict withdrawal by leveraging deep learning. <i>International Journal of Intelligent Systems</i> , 2019 , 34, 1935-1952	8.4	28
191	LEAC: An efficient library for clustering with evolutionary algorithms. <i>Knowledge-Based Systems</i> , 2019 , 179, 117-119	7.3	5
190	Signal speech reconstruction and noise removal using convolutional denoising audioencoders with neural deep learning. <i>Analog Integrated Circuits and Signal Processing</i> , 2019 , 100, 501-512	1.2	7
189	Performing Multi-Target Regression via a Parameter Sharing-Based Deep Network. <i>International Journal of Neural Systems</i> , 2019 , 29, 1950014	6.2	27
188	JCLEC-MO: A Java suite for solving many-objective optimization engineering problems. <i>Engineering Applications of Artificial Intelligence</i> , 2019 , 81, 14-28	7.2	8

187	Evaluating associative classification algorithms for Big Data. <i>Big Data Analytics</i> , 2019 , 4,	2.9	7
186	Subgroup discovery in MOOCs: a big data application for describing different types of learners. <i>Interactive Learning Environments</i> , 2019 , 1-19	3.1	5
185	Discovering Students Engagement Behaviors in Confidence-based Assessment 2019 ,		1
184	Frequent itemset mining: A 25 years review. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2019 , 9, e1329	6.9	54
183	A survey of many-objective optimisation in search-based software engineering. <i>Journal of Systems and Software</i> , 2019 , 149, 382-395	3.3	39
182	An evolutionary approach to build ensembles of multi-label classifiers. <i>Information Fusion</i> , 2019 , 50, 168-189	10.0	10
181	Parallelization strategies for markerless human motion capture. <i>Journal of Real-Time Image Processing</i> , 2018 , 14, 453-467	1.9	4
180	OLLAWV: OnLine Learning Algorithm using Worst-Violators. <i>Applied Soft Computing Journal</i> , 2018 , 66, 384-393	7.5	16
179	Mining Context-Aware Association Rules Using Grammar-Based Genetic Programming. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 3030-3044	10.2	18
178	Evolutionary Strategy to Perform Batch-Mode Active Learning on Multi-Label Data. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2018 , 9, 1-26	8	19
177	Statistical comparisons of active learning strategies over multiple datasets. <i>Knowledge-Based Systems</i> , 2018 , 145, 274-288	7.3	24
176	MIRSVM: Multi-instance support vector machine with bag representatives. <i>Pattern Recognition</i> , 2018 , 79, 228-241	7.7	19
175	Review of ensembles of multi-label classifiers: Models, experimental study and prospects. <i>Information Fusion</i> , 2018 , 44, 33-45	16.7	68
174	Distributed nearest neighbor classification for large-scale multi-label data on spark. <i>Future Generation Computer Systems</i> , 2018 , 87, 66-82	7.5	26
173	Apriori Versions Based on MapReduce for Mining Frequent Patterns on Big Data. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 2851-2865	10.2	35
172	Effective active learning strategy for multi-label learning. <i>Neurocomputing</i> , 2018 , 273, 494-508	5.4	27
171	An ensemble-based method for the selection of instances in the multi-target regression problem. <i>Integrated Computer-Aided Engineering</i> , 2018 , 25, 305-320	5.2	5
170	Interactive multi-objective evolutionary optimization of software architectures. <i>Information Sciences</i> , 2018 , 463-464, 92-109	7.7	13

169	A locally weighted learning method based on a data gravitation model for multi-target regression. <i>International Journal of Computational Intelligence Systems</i> , 2018 , 11, 282	3.4	10
168	Optimization of quality measures in association rule mining: an empirical study. <i>International Journal of Computational Intelligence Systems</i> , 2018 , 12, 59	3.4	14
167	Emerging Patterns 2018 , 53-70		
166	Subgroup Discovery 2018 , 71-98		
165	Successful Applications 2018 , 171-185		
164	Exceptional Models 2018 , 129-149		
163	Changes in Splicing Machinery Components Influence, Precede, and Early Predict the Development of Type 2 Diabetes: From the CORDIOPREV Study. <i>EBioMedicine</i> , 2018 , 37, 356-365	8.8	12
162	Supervised Descriptive Pattern Mining 2018 ,		20
161	Class Association Rules 2018 , 99-128		
160	Introduction to Supervised Descriptive Pattern Mining 2018 , 1-31		2
159	Contrast Sets 2018 , 33-51		
158	Other Forms of Supervised Descriptive Pattern Mining 2018 , 151-170		
157	Multi-objective genetic programming for feature extraction and data visualization. <i>Soft Computing</i> , 2017 , 21, 2069-2089	3.5	27
156	MLDA: A tool for analyzing multi-label datasets. <i>Knowledge-Based Systems</i> , 2017 , 121, 1-3	7.3	11
155	Exhaustive search algorithms to mine subgroups on Big Data using Apache Spark. <i>Progress in Artificial Intelligence</i> , 2017 , 6, 145-158	4	5
154	Extremely high-dimensional optimization with MapReduce: Scaling functions and algorithm. <i>Information Sciences</i> , 2017 , 415-416, 110-127	7.7	17
153	Evaluation and comparison of open source software suites for data mining and knowledge discovery. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2017 , 7, e1204	6.9	12
152	Mining association rules on Big Data through MapReduce genetic programming. <i>Integrated Computer-Aided Engineering</i> , 2017 , 25, 31-48	5.2	25

151	Multi-target support vector regression via correlation regressor chains. <i>Information Sciences</i> , 2017 , 415-416, 53-69	7.7	72
150	An evolutionary algorithm for optimizing the target ordering in Ensemble of Regressor Chains 2017 ,		10
149	An evolutionary algorithm for mining rare association rules: A Big Data approach 2017 ,		5
148	Educational data science in massive open online courses. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2017 , 7, e1187	6.9	42
147	Large-Scale Multi-label Ensemble Learning on Spark 2017 ,		5
146	Games and simulation in higher education. <i>International Journal of Educational Technology in Higher Education</i> , 2017 , 14,	6.3	12
145	Memetic Algorithms for the Automatic Discovery of Software Architectures. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 437-447	0.4	1
144	Mining Perfectly Rare Itemsets on Big Data: An Approach Based on Apriori-Inverse and MapReduce. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 508-518	0.4	
143	Multi-instance Classification 2016 , 35-66		
142	Recommending degree studies according to students' attitudes in high school by means of subgroup discovery. <i>International Journal of Computational Intelligence Systems</i> , 2016 , 9, 1101-1117	3.4	14
141	Multiple Instance Learning 2016 ,		30
140	A Data Structure to Speed-Up Machine Learning Algorithms on Massive Datasets. <i>Lecture Notes in Computer Science</i> , 2016 , 365-376	0.9	7
139	Introduction to Pattern Mining 2016 , 1-26		
138	Quality Measures in Pattern Mining 2016 , 27-44		1
137	Supervised Local Pattern Mining 2016 , 141-161		1
136	Mining Exceptional Relationships Between Patterns 2016 , 163-176		
135	Scalability in Pattern Mining 2016 , 177-190		1
134	Introduction to Evolutionary Computation 2016 , 45-61		

133	Multiobjective Approaches in Pattern Mining 2016 , 119-139		1
132	Discovering useful patterns from multiple instance data. <i>Information Sciences</i> , 2016 , 357, 23-38	7.7	11
131	Pattern Mining with Evolutionary Algorithms 2016 ,		40
130	ur-CAIM: improved CAIM discretization for unbalanced and balanced data. <i>Soft Computing</i> , 2016 , 20, 173-188	3.5	34
129	LAIM discretization for multi-label data. <i>Information Sciences</i> , 2016 , 330, 370-384	7.7	28
128	Effective lazy learning algorithm based on a data gravitation model for multi-label learning. <i>Information Sciences</i> , 2016 , 340-341, 159-174	7.7	17
127	Speeding-Up Association Rule Mining With Inverted Index Compression. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 3059-3072	10.2	26
126	A comparative study of many-objective evolutionary algorithms for the discovery of software architectures. <i>Empirical Software Engineering</i> , 2016 , 21, 2546-2600	3.3	13
125	An Algorithm Evaluation for Discovering Classification Rules with Gene Expression Programming. <i>International Journal of Computational Intelligence Systems</i> , 2016 , 9, 263-280	3.4	7
124	Multiple Instance Multiple Label Learning 2016 , 209-230		1
123	Multiple Instance Learning 2016 , 17-33		11
122	Multi-instance Regression 2016 , 127-140		2
121	Unsupervised Multiple Instance Learning 2016 , 141-167		1
120	Pattern Mining with Genetic Algorithms 2016 , 63-85		1
119	Instance-Based Classification Methods 2016 , 67-98		1
118	Data Reduction 2016 , 169-189		
117	Genetic Programming in Pattern Mining 2016 , 87-117		0
116	Subgroup Discovery on Big Data: Exhaustive Methodologies Using Map-Reduce 2016 ,		4

115	Subgroup discovery on big data: Pruning the search space on exhaustive search algorithms 2016 ,		2
114	Mining exceptional relationships with grammar-guided genetic programming. <i>Knowledge and Information Systems</i> , 2016 , 47, 571-594	2.4	15
113	An ensemble-based approach for multi-view multi-label classification. <i>Progress in Artificial Intelligence</i> , 2016 , 5, 251-259	4	5
112	Early dropout prediction using data mining: a case study with high school students. <i>Expert Systems</i> , 2016 , 33, 107-124	2.1	128
111	An approach for the evolutionary discovery of software architectures. <i>Information Sciences</i> , 2015 , 305, 234-255	7.7	14
110	Scalable extensions of the ReliefF algorithm for weighting and selecting features on the multi-label learning context. <i>Neurocomputing</i> , 2015 , 161, 168-182	5.4	104
109	A Tutorial on Multilabel Learning. <i>ACM Computing Surveys</i> , 2015 , 47, 1-38	13.4	251
108	J. A. Larusson, B. White (eds): Learning Analytics: From Research to Practice. <i>Technology, Knowledge and Learning</i> , 2015 , 20, 357-360	2.9	4
107	An Extensible JCLEC-based Solution for the Implementation of Multi-Objective Evolutionary Algorithms 2015 ,		3
106	Speeding up multiple instance learning classification rules on GPUs. <i>Knowledge and Information Systems</i> , 2015 , 44, 127-145	2.4	19
105	Improving Meta-learning for Algorithm Selection by Using Multi-label Classification: A Case of Study with Educational Data Sets. <i>International Journal of Computational Intelligence Systems</i> , 2015 , 8, 1144	3.4	7
104	Discovering clues to avoid middle school failure at early stages 2015 ,		4
103	An evolutionary algorithm for the discovery of rare class association rules in learning management systems. <i>Applied Intelligence</i> , 2015 , 42, 501-513	4.9	44
102	Genetic Programming for Mining Association Rules in Relational Database Environments 2015 , 431-450		3
101	Synthesis of In-Place Iterative Sorting Algorithms Using GP: A Comparison Between STGP, SFGP, G3P and GE. <i>Lecture Notes in Computer Science</i> , 2015 , 305-310	0.9	0
100	Swarm-based metaheuristics in automatic programming: a survey. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2014 , 4, 445-469	6.9	9
99	On the use of genetic programming for mining comprehensible rules in subgroup discovery. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 2329-41	10.2	36
98	Parallel evaluation of Pittsburgh rule-based classifiers on GPUs. <i>Neurocomputing</i> , 2014 , 126, 45-57	5.4	12

97	Scalable CAIM discretization on multiple GPUs using concurrent kernels. <i>Journal of Supercomputing</i> , 2014 , 69, 273-292	2.5	7
96	On the performance of multiple objective evolutionary algorithms for software architecture discovery 2014 ,		6
95	Reducing gaps in quantitative association rules: A genetic programming free-parameter algorithm. <i>Integrated Computer-Aided Engineering</i> , 2014 , 21, 321-337	5.2	37
94	A Survey on Pre-Processing Educational Data. <i>Studies in Computational Intelligence</i> , 2014 , 29-64	0.8	28
93	Impact of HbA1c measurement on hospital readmission rates: analysis of 70,000 clinical database patient records. <i>BioMed Research International</i> , 2014 , 2014, 781670	3	111
92	Single and multi-objective ant programming for mining interesting rare association rules. <i>International Journal of Hybrid Intelligent Systems</i> , 2014 , 11, 197-209	0.9	2
91	Evolutionary feature weighting to improve the performance of multi-label lazy algorithms. <i>Integrated Computer-Aided Engineering</i> , 2014 , 21, 339-354	5.2	32
90	GPU-parallel subtree interpreter for genetic programming 2014 ,		9
89	Multi-label learning: a review of the state of the art and ongoing research. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2014 , 4, 411-444	6.9	88
88	On the adaptability of G3PARM to the extraction of rare association rules. <i>Knowledge and Information Systems</i> , 2014 , 38, 391-418	2.4	26
87	Ant Programming Algorithms for Classification. <i>Advances in Data Mining and Database Management Book Series</i> , 2014 , 107-128	0.6	1
86	Classification Rule Mining with Iterated Greedy. <i>Lecture Notes in Computer Science</i> , 2014 , 585-596	0.9	3
85	Web usage mining for predicting final marks of students that use Moodle courses. <i>Computer Applications in Engineering Education</i> , 2013 , 21, 135-146	1.6	129
84	Association rule mining using genetic programming to provide feedback to instructors from multiple-choice quiz data. <i>Expert Systems</i> , 2013 , 30, 162-172	2.1	43
83	Predicting students' final performance from participation in on-line discussion forums. <i>Computers and Education</i> , 2013 , 68, 458-472	9.5	285
82	HyDR-MI: A hybrid algorithm to reduce dimensionality in multiple instance learning. <i>Information Sciences</i> , 2013 , 222, 282-301	7.7	16
81	An interpretable classification rule mining algorithm. <i>Information Sciences</i> , 2013 , 240, 1-20	7.7	39
80	DRAL: a tool for discovering relevant e-activities for learners. <i>Knowledge and Information Systems</i> , 2013 , 36, 211-250	2.4	9

79	Data mining in education. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2013 , 3, 12-27	6.9	323
78	Parallel multi-objective Ant Programming for classification using GPUs. <i>Journal of Parallel and Distributed Computing</i> , 2013 , 73, 713-728	4.4	17
77	Predicting student failure at school using genetic programming and different data mining approaches with high dimensional and imbalanced data. <i>Applied Intelligence</i> , 2013 , 38, 315-330	4.9	100
76	. <i>Revista Iberoamericana De Tecnologias Del Aprendizaje</i> , 2013 , 8, 7-14	1.2	54
75	Grammar-based multi-objective algorithms for mining association rules. <i>Data and Knowledge Engineering</i> , 2013 , 86, 19-37	1.5	23
74	Weighted data gravitation classification for standard and imbalanced data. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 1672-87	10.2	69
73	High performance evaluation of evolutionary-mined association rules on GPUs. <i>Journal of Supercomputing</i> , 2013 , 66, 1438-1461	2.5	40
72	A novel component identification approach using evolutionary programming 2013 ,		2
71	Mining association rules with single and multi-objective grammar guided ant programming. <i>Integrated Computer-Aided Engineering</i> , 2013 , 20, 217-234	5.2	19
70	Discovering Subgroups by Means of Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2013 , 1216-132	1.32	5
69	A Grammar-Guided Genetic Programming Algorithm for Multi-Label Classification. <i>Lecture Notes in Computer Science</i> , 2013 , 217-228	0.9	2
68	RelieFF-MI: An extension of RelieFF to multiple instance learning. <i>Neurocomputing</i> , 2012 , 75, 210-218	5.4	27
67	Speeding up the evaluation phase of GP classification algorithms on GPUs. <i>Soft Computing</i> , 2012 , 16, 187-202	3.5	31
66	Classification rule mining using ant programming guided by grammar with multiple Pareto fronts. <i>Soft Computing</i> , 2012 , 16, 2143-2163	3.5	12
65	VisualJCLEC: A visual framework for evolutionary computation 2012 ,		1
64	Multi-instance genetic programming for predicting student performance in web based educational environments. <i>Applied Soft Computing Journal</i> , 2012 , 12, 2693-2706	7.5	21
63	Binary and multiclass imbalanced classification using multi-objective ant programming 2012 ,		1
62	Multi-objective approach based on grammar-guided genetic programming for solving multiple instance problems. <i>Soft Computing</i> , 2012 , 16, 955-977	3.5	4

61	Design and behavior study of a grammar-guided genetic programming algorithm for mining association rules. <i>Knowledge and Information Systems</i> , 2012 , 32, 53-76	2.4	58
60	Multi-Objective Ant Programming for Mining Classification Rules. <i>Lecture Notes in Computer Science</i> , 2012 , 146-157	0.9	4
59	Association rule mining using a multi-objective grammar-based ant programming algorithm 2011 ,		8
58	Using Ant Programming Guided by Grammar for Building Rule-Based Classifiers. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 1585-99		22
57	Multiple instance learning for classifying students in learning management systems. <i>Expert Systems With Applications</i> , 2011 , 38, 15020-15031	7.8	37
56	A collaborative educational association rule mining tool. <i>Internet and Higher Education</i> , 2011 , 14, 77-88	7.4	66
55	Preface to the special issue on data mining for personalised educational systems. <i>User Modeling and User-Adapted Interaction</i> , 2011 , 21, 1-3	3.9	6
54	RM-Tool: A framework for discovering and evaluating association rules. <i>Advances in Engineering Software</i> , 2011 , 42, 566-576	3.6	20
53	An EP algorithm for learning highly interpretable classifiers 2011 ,		5
52	Subgroup discovery in an e-learning usage study based on Moodle 2011 ,		5
51	Multiple Instance Learning with Multiple Objective Genetic Programming for Web Mining. <i>Applied Soft Computing Journal</i> , 2011 , 11, 93-102	7.5	17
50	A Parallel Genetic Programming Algorithm for Classification. <i>Lecture Notes in Computer Science</i> , 2011 , 172-181	0.9	4
49	JCLEC Meets WEKA!. <i>Lecture Notes in Computer Science</i> , 2011 , 388-395	0.9	
48	A Survey on the Application of Genetic Programming to Classification. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2010 , 40, 121-144		349
47	Educational Data Mining: A Review of the State of the Art. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2010 , 40, 601-618		803
46	G3PARAM: A Grammar Guided Genetic Programming algorithm for mining association rules 2010 ,		7
45	Feature selection is the ReliefF for multiple instance learning 2010 ,		2
44	Evolutionary algorithms for subgroup discovery applied to e-learning data 2010 ,		8

43	A grammar based Ant Programming algorithm for mining classification rules 2010 ,		7
42	An intruder detection approach based on infrequent rating pattern mining 2010 ,		3
41	G3P-MI: A genetic programming algorithm for multiple instance learning. <i>Information Sciences</i> , 2010 , 180, 4496-4513	7.7	25
40	An Automatic Programming ACO-Based Algorithm for Classification Rule Mining. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 649-656		2
39	Evolving Multi-label Classification Rules with Gene Expression Programming: A Preliminary Study. <i>Lecture Notes in Computer Science</i> , 2010 , 9-16	0.9	8
38	Solving Classification Problems Using Genetic Programming Algorithms on GPUs. <i>Lecture Notes in Computer Science</i> , 2010 , 17-26	0.9	4
37	Analysis of the Effectiveness of G3PARM Algorithm. <i>Lecture Notes in Computer Science</i> , 2010 , 27-34	0.9	2
36	Reducing Dimensionality in Multiple Instance Learning with a Filter Method. <i>Lecture Notes in Computer Science</i> , 2010 , 35-44	0.9	3
35	Web Usage Mining for Improving Students Performance in Learning Management Systems. <i>Lecture Notes in Computer Science</i> , 2010 , 439-449	0.9	
34	Using mobile and web-based computerized tests to evaluate university students. <i>Computer Applications in Engineering Education</i> , 2009 , 17, 435-447	1.6	48
33	KEEL: a software tool to assess evolutionary algorithms for data mining problems. <i>Soft Computing</i> , 2009 , 13, 307-318	3.5	896
32	An architecture for making recommendations to courseware authors using association rule mining and collaborative filtering. <i>User Modeling and User-Adapted Interaction</i> , 2009 , 19, 99-132	3.9	84
31	Evolutionary algorithms for subgroup discovery in e-learning: A practical application using Moodle data. <i>Expert Systems With Applications</i> , 2009 , 36, 1632-1644	7.8	65
30	Multi-instance genetic programming for web index recommendation. <i>Expert Systems With Applications</i> , 2009 , 36, 11470-11479	7.8	21
29	Applying Web usage mining for personalizing hyperlinks in Web-based adaptive educational systems. <i>Computers and Education</i> , 2009 , 53, 828-840	9.5	99
28	Evaluating Web Based Instructional Models Using Association Rule Mining. <i>Lecture Notes in Computer Science</i> , 2009 , 16-29	0.9	2
27	Multi-label Classification with Gene Expression Programming. <i>Lecture Notes in Computer Science</i> , 2009 , 629-637	0.9	5
26	A Niching Algorithm to Learn Discriminant Functions with Multi-Label Patterns. <i>Lecture Notes in Computer Science</i> , 2009 , 570-577	0.9	3

25	A Comparison of Multi-objective Grammar-Guided Genetic Programming Methods to Multiple Instance Learning. <i>Lecture Notes in Computer Science</i> , 2009 , 450-458	0.9	
24	Data mining in course management systems: Moodle case study and tutorial. <i>Computers and Education</i> , 2008 , 51, 368-384	9.5	484
23	Multiple Instance Learning with MultiObjective Genetic Programming for Web Mining 2008 ,		2
22	Personalized Links Recommendation Based on Data Mining in Adaptive Educational Hypermedia Systems. <i>Lecture Notes in Computer Science</i> , 2007 , 292-306	0.9	20
21	Educational data mining: A survey from 1995 to 2005. <i>Expert Systems With Applications</i> , 2007 , 33, 135-146	6.8	666
20	JCLEC: a Java framework for evolutionary computation. <i>Soft Computing</i> , 2007 , 12, 381-392	3.5	99
19	Multiple Instance Learning with Genetic Programming for Web Mining 2007 , 919-927		5
18	Multi-objective Genetic Programming for Multiple Instance Learning. <i>Lecture Notes in Computer Science</i> , 2007 , 790-797	0.9	5
17	Web-based adaptive training simulator system for cardiac life support. <i>Artificial Intelligence in Medicine</i> , 2006 , 38, 67-78	7.4	23
16	Rule mining with GBGP to improve web-based adaptive educational systems. <i>WIT Transactions on State-of-the-art in Science and Engineering</i> , 2006 , 173-189		5
15	An Authoring Tool for Building Both Mobile Adaptable Tests and Web-Based Adaptive or Classic Tests. <i>Lecture Notes in Computer Science</i> , 2006 , 203-212	0.9	15
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