SaÅ¡o DÅ¾eroski

List of Publications by Year
in descending order

316 papers	10,214 citations	53660 45 h-index	49773 87 g-index
342 all docs	342 docs citations	342 times ranked	9183 citing authors

#	Article	IF	Citations
1	A large-scale evaluation of computational protein function prediction. Nature Methods, 2013, 10, 221-227.	9.0	789
2	Is Combining Classifiers with Stacking Better than Selecting the Best One?. Machine Learning, 2004, 54, 255-273.	3.4	619
3	An extensive experimental comparison of methods for multi-label learning. Pattern Recognition, 2012, 45, 3084-3104.	5.1	579
4	Decision trees for hierarchical multi-label classification. Machine Learning, 2008, 73, 185-214.	3.4	497
5	The CAFA challenge reports improved protein function prediction and new functional annotations for hundreds of genes through experimental screens. Genome Biology, 2019, 20, 244.	3.8	261
6	Learning model trees from evolving data streams. Data Mining and Knowledge Discovery, 2011, 23, 128-168.	2.4	218
7	Tree ensembles for predicting structured outputs. Pattern Recognition, 2013, 46, 817-833.	5.1	210
8	Relational Reinforcement Learning. Machine Learning, 2001, 43, 7-52.	3.4	205
9	Repetitive interpolation: A robust algorithm for DTM generation from Aerial Laser Scanner Data in forested terrain. Remote Sensing of Environment, 2007, 108, 9-23.	4.6	171
10	Multi-relational data mining. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2003, 5, 1-16.	3.2	162
11	Combining Classifiers with Meta Decision Trees. Machine Learning, 2003, 50, 223-249.	3.4	159
12	Using single- and multi-target regression trees and ensembles to model a compound index of vegetation condition. Ecological Modelling, 2009, 220, 1159-1168.	1.2	156
13	Predicting gene function using hierarchical multi-label decision tree ensembles. BMC Bioinformatics, 2010, 11, 2.	1.2	143
14	Estimating vegetation height and canopy cover from remotely sensed data with machine learning. Ecological Informatics, 2010, 5, 256-266.	2.3	134
15	First-order jk-clausal theories are PAC-learnable. Artificial Intelligence, 1994, 70, 375-392.	3.9	123
16	Hierarchical annotation of medical images. Pattern Recognition, 2011, 44, 2436-2449.	5.1	114
17	Predicting Chemical Parameters of River Water Quality from Bioindicator Data. Applied Intelligence, 2000, 13, 7-17.	3.3	110
18	Noise detection and elimination in data preprocessing: Experiments in medical domains. Applied Artificial Intelligence, 2000, 14, 205-223.	2.0	110

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19	Ensembles of Multi-Objective Decision Trees. Lecture Notes in Computer Science, 2007, , 624-631.	1.0	103
20	Application of decision trees to the analysis of soil radon data for earthquake prediction. Applied Radiation and Isotopes, 2003, 58, 697-706.	0.7	86
21	Learning nonrecursive definitions of relations with linus. , 1991, , 265-281.		85
22	PAC-learnability of determinate logic programs. , 1992, , .		76
23	Habitat suitability modelling for red deer (Cervus elaphus L.) in South-central Slovenia with classification trees. Ecological Modelling, 2001, 138, 321-330.	1.2	76
24	A qualitative multi-attribute model for economic and ecological assessment of genetically modified crops. Ecological Modelling, 2008, 215, 247-261.	1.2	74
25	Yeasts and yeast-like fungi in tap water and groundwater, and their transmission to household appliances. Fungal Ecology, 2016, 20, 30-39.	0.7	74
26	OntoDM: An Ontology of Data Mining. , 2008, , .		72
27	The discriminatory value of cardiorespiratory interactions in distinguishing awake from anaesthetised states: a randomised observational study. Anaesthesia, 2015, 70, 1356-1368.	1.8	71
28	Using regression trees to identify the habitat preference of the sea cucumber (Holothuria) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	1.2	69
29	Candida and Fusarium species known as opportunistic human pathogens from customer-accessible parts of residential washingÂmachines. Fungal Biology, 2015, 119, 95-113.	1.1	68
30	Inductive process modeling. Machine Learning, 2008, 71, 1-32.	3.4	66
31	Gut Microbiota Patterns Associated with Colonization of Different Clostridium difficile Ribotypes. PLoS ONE, 2013, 8, e58005.	1.1	63
32	Discovering dynamics: From inductive logic programming to machine discovery. Journal of Intelligent Information Systems, 1995, 4, 89-108.	2.8	62
33	Applications of symbolic machine learning to ecological modelling. Ecological Modelling, 2001, 146, 263-273.	1.2	60
34	Hierarchical classification of diatom images using ensembles of predictive clustering trees. Ecological Informatics, 2012, 7, 19-29.	2.3	60
35	Integrating knowledge-driven and data-driven approaches to modeling. Ecological Modelling, 2006, 194, 3-13.	1.2	56
36	Combining Multiple Models with Meta Decision Trees. Lecture Notes in Computer Science, 2000, , 54-64.	1.0	56

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37	Integrating Guidance into Relational Reinforcement Learning. Machine Learning, 2004, 57, 271-304.	3.4	55
38	Online tree-based ensembles and option trees for regression on evolving data streams. Neurocomputing, 2015, 150, 458-470.	3.5	55
39	Radon in soil gas: How to identify anomalies caused by earthquakes. Applied Geochemistry, 2005, 20, 1106-1119.	1.4	54
40	Combining Bagging and Random Subspaces to Create Better Ensembles. Lecture Notes in Computer Science, 2007, , 118-129.	1.0	54
41	Improved medical image modality classification using a combination of visual and textual features. Computerized Medical Imaging and Graphics, 2015, 39, 14-26.	3.5	54
42	First order random forests: Learning relational classifiers with complex aggregates. Machine Learning, 2006, 64, 149-182.	3.4	53
43	Multi-label classification via multi-target regression on data streams. Machine Learning, 2017, 106, 745-770.	3.4	53
44	Chaophilic or chaotolerant fungi: a new category of extremophiles?. Frontiers in Microbiology, 2014, 5, 708.	1.5	52
45	Relational reinforcement learning. Lecture Notes in Computer Science, 1998, , 11-22.	1.0	51
46	Using machine learning techniques in the construction of models. II. Data analysis with rule induction. Ecological Modelling, 1997, 95, 95-111.	1.2	47
47	Combined chemical genetics and data-driven bioinformatics approach identifies receptor tyrosine kinase inhibitors as host-directed antimicrobials. Nature Communications, 2018, 9, 358.	5.8	47
48	Using multi-objective classification to model communities of soil microarthropods. Ecological Modelling, 2006, 191, 131-143.	1.2	46
49	Noise elimination in inductive concept learning: A case study in medical diagnosis. Lecture Notes in Computer Science, 1996, , 199-212.	1.0	45
50	Feature ranking for multi-target regression. Machine Learning, 2020, 109, 1179-1204.	3.4	44
51	Network regression with predictive clustering trees. Data Mining and Knowledge Discovery, 2012, 25, 378-413.	2.4	43
52	Ontology of core data mining entities. Data Mining and Knowledge Discovery, 2014, 28, 1222-1265.	2.4	43
53	Using PPI network autocorrelation in hierarchical multi-label classification trees for gene function prediction. BMC Bioinformatics, 2013, 14, 285.	1.2	41
54	Self-training for multi-target regression with tree ensembles. Knowledge-Based Systems, 2017, 123, 41-60.	4.0	41

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55	Modeling the brown bear population in Slovenia. Ecological Modelling, 2003, 170, 453-469.	1.2	40
56	Generic ontology of datatypes. Information Sciences, 2016, 329, 900-920.	4.0	40
57	Inductive logic programming and learnability. ACM SIGART Bulletin, 1994, 5, 22-32.	0.5	39
58	Improving bag-of-visual-words image retrieval with predictive clustering trees. Information Sciences, 2016, 329, 851-865.	4.0	39
59	An Introduction to Inductive Logic Programming. , 2001, , 48-73.		39
60	Halophily reloaded: new insights into the extremophilic life-style of Wallemia with the description of Wallemia hederae sp. nov. Fungal Diversity, 2016, 76, 97-118.	4.7	38
61	Comprehensive comparative study of multi-label classification methods. Expert Systems With Applications, 2022, 203, 117215.	4.4	38
62	Traitâ€based risk assessment for invasive species: high performance across diverse taxonomic groups, geographic ranges and machine learning/statistical tools. Diversity and Distributions, 2011, 17, 451-461.	1.9	37
63	Parameter estimation with bio-inspired meta-heuristic optimization: modeling the dynamics of endocytosis. BMC Systems Biology, 2011, 5, 159.	3.0	37
64	Characterizing the presence of oilseed rape feral populations on field margins using machine learning. Ecological Modelling, 2008, 212, 147-154.	1.2	36
65	Production of Secondary Metabolites in Extreme Environments: Food- and Airborne Wallemia spp. Produce Toxic Metabolites at Hypersaline Conditions. PLoS ONE, 2016, 11, e0169116.	1.1	36
66	Semi-supervised classification trees. Journal of Intelligent Information Systems, 2017, 49, 461-486.	2.8	36
67	THE UTILITY OF BACKGROUND KNOWLEDGE IN LEARNING MEDICAL DIAGNOSTIC RULES. Applied Artificial Intelligence, 1993, 7, 273-293.	2.0	35
68	Learning habitat models for the diatom community in Lake Prespa. Ecological Modelling, 2010, 221, 330-337.	1.2	35
69	Learning to Classify Structures in ALS-Derived Visualizations of Ancient Maya Settlements with CNN. Remote Sensing, 2020, 12, 2215.	1.8	35
70	Stepwise Induction of Multi-target Model Trees. Lecture Notes in Computer Science, 2007, , 502-509.	1.0	35
71	MACHINE LEARNING OF MORPHOSYNTACTIC STRUCTURE: LEMMATIZING UNKNOWN SLOVENE WORDS. Applied Artificial Intelligence, 2004, 18, 17-41.	2.0	34
72	Estimating the risk of fire outbreaks in the natural environment. Data Mining and Knowledge Discovery, 2012, 24, 411-442.	2.4	34

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73	Dealing with spatial autocorrelation when learning predictive clustering trees. Ecological Informatics, 2013, 13, 22-39.	2.3	34
74	Neuroblastoma tumorigenesis is regulated through the Nm23-H1/h-Prune C-terminal interaction. Scientific Reports, 2013, 3, 1351.	1.6	34
75	Stacking with Multi-response Model Trees. Lecture Notes in Computer Science, 2002, , 201-211.	1.0	34
76	Constructing a library of domain knowledge for automated modelling of aquatic ecosystems. Ecological Modelling, 2006, 194, 14-36.	1.2	33
77	Equation discovery for systems biology: finding the structure and dynamics of biological networks from time course data. Current Opinion in Biotechnology, 2008, 19, 360-368.	3.3	33
78	Personality Traits in Miners with Past Occupational Elemental Mercury Exposure. Environmental Health Perspectives, 2006, 114, 290-296.	2.8	32
79	Semi-Supervised Multi-View Learning for Gene Network Reconstruction. PLoS ONE, 2015, 10, e0144031.	1.1	32
80	Modelling and prediction of phytoplankton growth with equation discovery. Ecological Modelling, 1998, 113, 71-81.	1.2	31
81	Application of machine learning techniques to the analysis of soil ecological data bases: relationships between habitat features and Collembolan community characteristics. Soil Biology and Biochemistry, 2000, 32, 197-209.	4.2	31
82	Spruce bark beetles (Ips typographus, Pityogenes chalcographus, Col.: Scolytidae) in the Dinaric mountain forests of Slovenia: Monitoring and modeling. Ecological Modelling, 2006, 194, 219-226.	1.2	31
83	Semi-supervised trees for multi-target regression. Information Sciences, 2018, 450, 109-127.	4.0	31
84	Towards a General Framework for Data Mining. , 2006, , 259-300.		31
85	Finding explained groups of time-course gene expression profiles with predictive clustering trees. Molecular BioSystems, 2010, 6, 729.	2.9	30
86	Using classification trees to analyze the impact of exotic species on the ecological assessment of polder lakes in Flanders, Belgium. Ecological Modelling, 2011, 222, 2202-2212.	1.2	30
87	Analysis of 1.2 million foot scans from North America, Europe and Asia. Scientific Reports, 2019, 9, 19155.	1.6	30
88	Two stage architecture for multi-label learning. Pattern Recognition, 2012, 45, 1019-1034.	5.1	29
89	Phyletic Profiling with Cliques of Orthologs Is Enhanced by Signatures of Paralogy Relationships. PLoS Computational Biology, 2013, 9, e1002852.	1.5	29
90	Hierarchical classification of environmental factors and agricultural practices affecting soil fauna under cropping systems using Bt maize. Pedobiologia, 2007, 51, 229-238.	0.5	28

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91	Diterpene structure elucidation from 13cnmr spectra with inductive logic programming. Applied Artificial Intelligence, 1998, 12, 363-383.	2.0	27
92	Ranking with Predictive Clustering Trees. Lecture Notes in Computer Science, 2002, , 444-455.	1.0	27
93	Parameter estimation in a nonlinear dynamic model of an aquatic ecosystem with meta-heuristic optimization. Ecological Modelling, 2012, 226, 36-61.	1.2	27
94	Tree-based methods for online multi-target regression. Journal of Intelligent Information Systems, 2018, 50, 315-339.	2.8	27
95	Sustainable introduction of GM crops into european agriculture: a summary report of the FP6 SIGMEA research project. Oleagineux Corps Gras Lipides, 2009, 16, 37-51.	0.2	26
96	Radon in a thermal spring: Identification of anomalies related to seismic activity. Applied Radiation and Isotopes, 2006, 64, 725-734.	0.7	25
97	The importance of the label hierarchy in hierarchical multi-label classification. Journal of Intelligent Information Systems, 2015, 45, 247-271.	2.8	25
98	Changes of poultry faecal microbiota associated with Clostridium difficile colonisation. Veterinary Microbiology, 2013, 165, 416-424.	0.8	24
99	Predicting long-term population dynamics with bagging and boosting of process-based models. Expert Systems With Applications, 2015, 42, 8484-8496.	4.4	24
100	A reappraisal of saprobic values and indicator weights based on slovenian river quality data. Water Research, 2001, 35, 4285-4292.	5.3	23
101	Ensembles for multi-target regression with random output selections. Machine Learning, 2018, 107, 1673-1709.	3.4	23
102	Hierarchical Multi-classification with Predictive Clustering Trees in Functional Genomics. Lecture Notes in Computer Science, 2005, , 272-283.	1.0	23
103	Learning Predictive Clustering Rules. Lecture Notes in Computer Science, 2006, , 234-250.	1.0	23
104	Habitat mapping using machine learning-extended kernel-based reclassification of an Ikonos satellite image. Ecological Modelling, 2006, 191, 83-95.	1.2	22
105	Relations between the oilseed rape volunteer seedbank, and soil factors, weed functional groups and geographical location in the UK. Ecological Modelling, 2008, 212, 138-146.	1.2	22
106	The influence of parameter fitting methods on model structure selection in automated modeling of aquatic ecosystems. Ecological Modelling, 2012, 245, 136-165.	1.2	22
107	Multi-task learning for the simultaneous reconstruction of the human and mouse gene regulatory networks. Scientific Reports, 2020, 10, 22295.	1.6	22
108	Distinct Types of Gut Microbiota Dysbiosis in Hospitalized Gastroenterological Patients Are Disease Non-related and Characterized With the Predominance of Either Enterobacteriaceae or Enterococcus. Frontiers in Microbiology, 2020, 11, 120.	1.5	22

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109	OntoDM-KDD: Ontology for Representing the Knowledge Discovery Process. Lecture Notes in Computer Science, 2013, , 126-140.	1.0	22
110	Inductive learning in deductive databases. IEEE Transactions on Knowledge and Data Engineering, 1993, 5, 939-949.	4.0	21
111	Using machine learning techniques in the construction of models I. Introduction. Ecological Modelling, 1994, 75-76, 617-628.	1.2	21
112	Incremental multi-target model trees for data streams. , 2011, , .		21
113	Modeling water outflow from tile-drained agricultural fields. Science of the Total Environment, 2015, 505, 390-401.	3.9	21
114	EXPERIMENTS IN PREDICTING BIODEGRADABILITY. Applied Artificial Intelligence, 2004, 18, 157-181.	2.0	20
115	Analysis of Time Series Data with Predictive Clustering Trees. , 2006, , 63-80.		20
116	Modeling Dynamic Systems with Efficient Ensembles of Process-Based Models. PLoS ONE, 2016, 11, e0153507.	1.1	20
117	Learning multilingual morphology with Clog. Lecture Notes in Computer Science, 1998, , 135-144.	1.0	19
118	Learning population dynamics models from data and domain knowledge. Ecological Modelling, 2003, 170, 129-140.	1.2	19
119	Application of automated model discovery from data and expert knowledge to a real-world domain: Lake GlumsÃ¸. Ecological Modelling, 2008, 212, 92-98.	1.2	19
120	Learning stochastic process-based models of dynamical systems from knowledge and data. BMC Systems Biology, 2016, 10, 30.	3.0	19
121	Discovering Dynamics. , 1993, , 97-103.		19
122	Relational Data Mining. , 2009, , 887-911.		18
123	Using machine learning to estimate herbage production and nutrient uptake on Irish dairy farms. Journal of Dairy Science, 2019, 102, 10639-10656.	1.4	18
124	Computational Discovery of Scientific Knowledge. Lecture Notes in Computer Science, 2007, , 1-14.	1.0	18
125	Rule induction and instance-based learning applied in medical diagnosis. Technology and Health Care, 1996, 4, 203-221.	0.5	17
126	A framework for redescription set construction. Expert Systems With Applications, 2017, 68, 196-215.	4.4	17

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127	Combining model-based and instance-based learning for first order regression. , 2005, , .		17
128	Using equation discovery to revise an Earth ecosystem model of the carbon net production. Ecological Modelling, 2003, 170, 141-154.	1.2	16
129	First Order Random Forests with Complex Aggregates. Lecture Notes in Computer Science, 2004, , 323-340.	1.0	16
130	Rule Ensembles for Multi-target Regression. , 2009, , .		15
131	Analysis of time series data on agroecosystem vegetation using predictive clustering trees. Ecological Modelling, 2011, 222, 2524-2529.	1.2	14
132	Modeling the risk of water pollution by pesticides from imbalanced data. Environmental Science and Pollution Research, 2018, 25, 18781-18792.	2.7	14
133	A Machine Learning Approach to Analyzing the Relationship Between Temperatures and Multi-Proxy Tree-Ring Records. Tree-Ring Research, 2018, 74, 210-224.	0.4	14
134	Cheminformatics in MS-based environmental exposomics: Current achievements and future directions. Trends in Environmental Analytical Chemistry, 2020, 28, e00099.	5.3	14
135	Applying ILP to diterpene structure elucidation from 13C NMR spectra. Lecture Notes in Computer Science, 1997, , 41-54.	1.0	14
136	Using redescription mining to relate clinical and biological characteristics of cognitively impaired and Alzheimerâ€™s disease patients. PLoS ONE, 2017, 12, e0187364.	1.1	14
137	Automated modelling of a food web in lake Bled using measured data and a library of domain knowledge. Ecological Modelling, 2006, 194, 37-48.	1.2	13
138	Clustering Trees with Instance Level Constraints. Lecture Notes in Computer Science, 2007, , 359-370.	1.0	13
139	Redescription mining augmented with random forest of multi-target predictive clustering trees. Journal of Intelligent Information Systems, 2018, 50, 63-96.	2.8	13
140	Machine Learning for Predicting Thermal Power Consumption of the Mars Express Spacecraft. IEEE Aerospace and Electronic Systems Magazine, 2019, 34, 46-60.	2.3	13
141	Inducing Polynomial Equations for Regression. Lecture Notes in Computer Science, 2004, , 441-452.	1.0	13
142	Global and Local Spatial Autocorrelation in Predictive Clustering Trees. Lecture Notes in Computer Science, 2011, , 307-322.	1.0	13
143	Semi-supervised regression trees with application to QSAR modelling. Expert Systems With Applications, 2020, 158, 113569.	4.4	13
144	Predictive model for the quantitative analysis of human skin using photothermal radiometry and diffuse reflectance spectroscopy. Biomedical Optics Express, 2020, 11, 1679.	1.5	13

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145	Towards an Ontology of Data Mining Investigations. Lecture Notes in Computer Science, 2009, , 257-271.	1.0	12
146	Beam Search Induction and Similarity Constraints for Predictive Clustering Trees. , 2006, , 134-151.		12
147	HMC-ReliefF: Feature ranking for hierarchical multi-label classification. Computer Science and Information Systems, 2018, 15, 187-209.	0.7	12
148	Morphosyntactic Tagging of Slovene Using Progol. Lecture Notes in Computer Science, 1999, , 68-79.	1.0	12
149	Modelling the outcrossing between genetically modified and conventional maize with equation discovery. Ecological Modelling, 2009, 220, 1063-1072.	1.2	11
150	The use of data-derived label hierarchies in multi-label classification. Journal of Intelligent Information Systems, 2016, 47, 57-90.	2.8	11
151	Meta-Analysis and Experimental Validation Identified FREM2 and SPRY1 as New Glioblastoma Marker Candidates. International Journal of Molecular Sciences, 2018, 19, 1369.	1.8	11
152	Equation Discovery for Nonlinear System Identification. IEEE Access, 2020, 8, 29930-29943.	2.6	11
153	Probabilistic grammars for equation discovery. Knowledge-Based Systems, 2021, 224, 107077.	4.0	11
154	Representing Entities in the OntoDM Data Mining Ontology. , 2010, , 27-58.		11
155	Equation discovery with ecological applications. , 1999, , 185-207.		11
156	Survival analysis with semi-supervised predictive clustering trees. Computers in Biology and Medicine, 2022, 141, 105001.	3.9	11
157	A multidisciplinary study of biodeteriorated Celje Ceiling, a tempera painting on canvas. International Biodeterioration and Biodegradation, 2022, 170, 105389.	1.9	11
158	Development of a knowledge library for automated watershed modeling. Environmental Modelling and Software, 2014, 54, 60-72.	1.9	10
159	Learning Classification Rules for Multiple Target Attributes. , 2008, , 454-465.		10
160	Relational Data Mining Applications: An Overview. , 2001, , 339-364.		10
161	Modelling Soil Radon Concentration for Earthquake Prediction. Lecture Notes in Computer Science, 2003, , 87-99.	1.0	9
162	Multi-relational data mining. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2003, 5, 100-101.	3.2	9

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163	Using Data Mining to Predict Soil Quality after Application of Biosolids in Agriculture. Journal of Environmental Quality, 2011, 40, 1972-1982.	1.0	9
164	A framework for a European network for a systematic environmental impact assessment of genetically modified organisms (GMO). BioRisk, 2012, 7, 73-97.	0.2	9
165	Feature Ranking for Multi-target Regression with Tree Ensemble Methods. Lecture Notes in Computer Science, 2017, , 171-185.	1.0	9
166	Evaluating the effect of Clostridium difficile conditioned medium on fecal microbiota community structure. Scientific Reports, 2017, 7, 16448.	1.6	9
167	MetaBags: Bagged Meta-Decision Trees for Regression. Lecture Notes in Computer Science, 2019, , 637-652.	1.0	9
168	Theory Revision in Equation Discovery. Lecture Notes in Computer Science, 2001, , 389-400.	1.0	9
169	Network Regression with Predictive Clustering Trees. Lecture Notes in Computer Science, 2011, , 333-348.	1.0	9
170	Interactions among the red deer (Cervus elaphus, L.) population, meteorological parameters and new growth of the natural regenerated forest in SneÅ¾nik, Slovenia. Ecological Modelling, 1999, 121, 51-61.	1.2	8
171	ADP-Ribosylation Factor Guanine Nucleotide-Exchange Factor 2 (ARFGEF2): A New Potential Biomarker in Huntington's Disease. Journal of International Medical Research, 2010, 38, 1653-1662.	0.4	8
172	Habitat modeling with single- and multi-target trees and ensembles. Ecological Informatics, 2013, 18, 79-92.	2.3	8
173	ReliefF for Hierarchical Multi-label Classification. Lecture Notes in Computer Science, 2014, , 148-161.	1.0	8
174	Semi-supervised Learning for Multi-target Regression. Lecture Notes in Computer Science, 2015, , 3-18.	1.0	8
175	Community structure models are improved by exploiting taxonomic rank with predictive clustering trees. Ecological Modelling, 2015, 306, 294-304.	1.2	8
176	Redescription Mining with Multi-target Predictive Clustering Trees. Lecture Notes in Computer Science, 2016, , 125-143.	1.0	8
177	Process-based design of dynamical biological systems. Scientific Reports, 2016, 6, 34107.	1.6	8
178	Ensembles of Fuzzy Linear Model Trees for the Identification of Multioutput Systems. IEEE Transactions on Fuzzy Systems, 2016, 24, 916-929.	6.5	8
179	Acquiring background knowledge for machine learning using function decomposition: a case study in rheumatology. Artificial Intelligence in Medicine, 1998, 14, 101-117.	3.8	7
180	Multi-relational data mining. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2002, 4, 122-124.	3.2	7

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181	Automatic construction of concept hierarchies: The case of foliage-dwelling spiders. Ecological Modelling, 2006, 191, 144-158.	1.2	7
182	Automated discovery of a model for dinoflagellate dynamics. Environmental Modelling and Software, 2011, 26, 658-668.	1.9	7
183	Using relational decision trees to model out-crossing rates in a multi-field setting. Ecological Modelling, 2012, 245, 75-83.	1.2	7
184	Length dispersion of shoes labelled with the same size in the UK shoe-size system. Footwear Science, 2013, 5, S39-S41.	0.8	7
185	Fast and efficient visual codebook construction for multi-label annotation using predictive clustering trees. Pattern Recognition Letters, 2014, 38, 38-45.	2.6	7
186	Special issue on discovery science. Machine Learning, 2016, 105, 1-2.	3.4	7
187	A comparison of fuzzy identification methods on benchmark datasets. IFAC-PapersOnLine, 2016, 49, 31-36.	0.5	7
188	Extensive evaluation of the generalized relevance network approach to inferring gene regulatory networks. GigaScience, 2018, 7, .	3.3	7
189	Using Domain Knowledge on Population Dynamics Modeling for Equation Discovery. , 2001, , 478-490.		7
190	Integrating Domain Knowledge in Equation Discovery. Lecture Notes in Computer Science, 2007, , 69-97.	1.0	7
191	Learning Relations from Noisy Examples: An Empirical Comparison of LINUS and FOIL. , 1991, , 399-402.		7
192	Differential responses of coexisting owls to annual small mammal population fluctuations in temperate mixed forest. Ibis, 2022, 164, 535-551.	1.0	7
193	Inductive logic programming for relational knowledge discovery. New Generation Computing, 1999, 17, 3-23.	2.5	6
194	Detection of Visual Concepts and Annotation of Images Using Ensembles of Trees for Hierarchical Multi-Label Classification. Lecture Notes in Computer Science, 2010, , 152-161.	1.0	6
195	Predicting Structured Outputs k-Nearest Neighbours Method. Lecture Notes in Computer Science, 2011, , 262-276.	1.0	6
196	Estimating Drainage Periods for Agricultural Fields from Measured Data: Dataâ€Mining Methodology and a Case Study (La JailliÃ¨Re, France). Irrigation and Drainage, 2015, 64, 703-716.	0.8	6
197	Domain-specific model selection for structural identification of the Rab5-Rab7 dynamics in endocytosis. BMC Systems Biology, 2015, 9, 31.	3.0	6
198	Learning ensembles of population dynamics models and their application to modelling aquatic ecosystems. Ecological Modelling, 2015, 306, 305-317.	1.2	6

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199	TMPRSS2:ERG gene aberrations may provide insight into pT stage in prostate cancer. BMC Urology, 2016, 16, 35.	0.6	6
200	Decoupling approximation robustly reconstructs directed dynamical networks. New Journal of Physics, 2018, 20, 113003.	1.2	6
201	Quantifying the Effects of Gyroless Flying of the Mars Express Spacecraft with Machine Learning. , 2019, , .		6
202	Multi-label feature ranking with ensemble methods. Machine Learning, 2020, 109, 2141-2159.	3.4	6
203	Biomarker discovery by feature ranking: Evaluation on a case study of embryonal tumors. Computers in Biology and Medicine, 2021, 128, 104143.	3.9	6
204	Predicting Gene Function using Predictive Clustering Trees. , 2010, , 365-387.		6
205	Encoding and Using Domain Knowledge on Population Dynamics for Equation Discovery. Applied Logic Series, 2002, , 227-247.	0.3	6
206	Predicting the vessel lumen area tree-ring parameter of <i>Quercus robur</i> with linear and nonlinear machine learning algorithms. Geochronometria, 2018, 45, 211-222.	0.2	6
207	Handling real numbers in ILP: A step towards better behavioural clones (Extended abstract). Lecture Notes in Computer Science, 1995, , 283-286.	1.0	6
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