SaÅ¡o DÅ¾eroski

List of Publications by Year
in descending order

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Version: 2024-02-01

316	10,214	61687	56606
papers	citations	45 h-index	87 g-index

342	342	342	10336
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surrogate models of radiative transfer codes for atmospheric trace gas retrievals from satellite observations. Machine Learning, 2023, 112, 1337-1363.	3.4	2
2	ReliefE: feature ranking in high-dimensional spaces via manifold embeddings. Machine Learning, 2022, 111, 273-317.	3.4	3
3	Survival analysis with semi-supervised predictive clustering trees. Computers in Biology and Medicine, 2022, 141, 105001.	3.9	11
4	Differential responses of coexisting owls to annual small mammal population fluctuations in temperate mixed forest. Ibis, 2022, 164, 535-551.	1.0	7
5	Explaining the performance of multilabel classification methods with data set properties. International Journal of Intelligent Systems, 2022, 37, 6080-6122.	3.3	4
6	Machine learning for effective spacecraft operation: Operating INTEGRAL through dynamic radiation environments. Advances in Space Research, 2022, 69, 3909-3920.	1.2	1
7	A multidisciplinary study of biodeteriorated Celje Ceiling, a tempera painting on canvas. International Biodeterioration and Biodegradation, 2022, 170, 105389.	1.9	11
8	Wet-dry-wet drug screen leads to the synthesis of TS1, a novel compound reversing lung fibrosis through inhibition of myofibroblast differentiation. Cell Death and Disease, 2022, 13, 2.	2.7	3
9	A catalogue with semantic annotations makes multilabel datasets FAIR. Scientific Reports, 2022, 12, 7267.	1.6	3
10	Comprehensive comparative study of multi-label classification methods. Expert Systems With Applications, 2022, 203, 117215.	4.4	38
11	Machine-learning ready data on the thermal power consumption of the Mars Express Spacecraft. Scientific Data, 2022, 9, .	2.4	3
12	Relational tree ensembles and feature rankings. Knowledge-Based Systems, 2022, 251, 109254.	4.0	2
13	Exploiting partially-labeled data in learning predictive clustering trees for multi-target regression: A case study of water quality assessment in Ireland. Ecological Informatics, 2021, 61, 101161.	2.3	5
14	Learning comprehensible and accurate hybrid trees. Expert Systems With Applications, 2021, 164, 113980.	4.4	4
15	Biomarker discovery by feature ranking: Evaluation on a case study of embryonal tumors. Computers in Biology and Medicine, 2021, 128, 104143.	3.9	6
16	Ensembleâ€•and distanceâ€bbased feature ranking for unsupervised learning. International Journal of Intelligent Systems, 2021, 36, 3068-3086.	3.3	1
17	Probabilistic grammars for equation discovery. Knowledge-Based Systems, 2021, 224, 107077.	4.0	11
18	Design and Simulation of Stormwater Control Measures Using Automated Modeling. Water (Switzerland), 2021, 13, 2268.	1.2	2

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19	Multi-Target Regression Rules With Random Output Selections. IEEE Access, 2021, 9, 10509-10522.	2.6	3
20	Unsupervised Feature Ranking via Attribute Networks. Lecture Notes in Computer Science, 2021, , 334-343.	1.0	0
21	Automated modelling of urban runoff based on domain knowledge and equation discovery. Journal of Hydrology, 2021, 603, 127077.	2.3	5
22	Relating Prenatal Hg Exposure and Neurological Development in Children with Machine Learning. , 2021, , .		0
23	Using Machine Learning to Identify Factors Contributing to Mould in the Celje Ceiling Painting. , 2021, , .		0
24	GalaxAI: Machine learning toolbox for interpretable analysis of spacecraft telemetry data. , 2021, , .		3
25	Feature ranking for multi-target regression. Machine Learning, 2020, 109, 1179-1204.	3.4	44
26	Combinatorial search for selecting the structure of models of dynamical systems with equation discovery. Engineering Applications of Artificial Intelligence, 2020, 89, 103423.	4.3	4
27	Multi-label feature ranking with ensemble methods. Machine Learning, 2020, 109, 2141-2159.	3.4	6
28	Learning to Classify Structures in ALS-Derived Visualizations of Ancient Maya Settlements with CNN. Remote Sensing, 2020, 12, 2215.	1.8	35
29	Cheminformatics in MS-based environmental exposomics: Current achievements and future directions. Trends in Environmental Analytical Chemistry, 2020, 28, e00099.	5.3	14
30	Incremental predictive clustering trees for online semi-supervised multi-target regression. Machine Learning, 2020, 109, 2121-2139.	3.4	5
31	Multi-task learning for the simultaneous reconstruction of the human and mouse gene regulatory networks. Scientific Reports, 2020, 10, 22295.	1.6	22
32	Equation Discovery for Nonlinear System Identification. IEEE Access, 2020, 8, 29930-29943.	2.6	11
33	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
34	Semantic Description of Data Mining Datasets: An Ontology-Based Annotation Schema. Lecture Notes in Computer Science, 2020, , 140-155.	1.0	4
35	Semi-supervised regression trees with application to QSAR modelling. Expert Systems With Applications, 2020, 158, 113569.	4.4	13
36	Feature Ranking for Hierarchical Multi-Label Classification with Tree Ensemble Methods. Acta Polytechnica Hungarica, 2020, 17, 129-148.	2.5	4

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37	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
38	Option predictive clustering trees for multi-target regression. Computer Science and Information Systems, 2020, 17, 459-486.	0.7	2
39	Learning Surrogates of a Radiative Transfer Model for the Sentinel 5P Satellite. Lecture Notes in Computer Science, 2020, , 217-230.	1.0	1
40	Semantic Annotation of Predictive Modelling Experiments. Lecture Notes in Computer Science, 2020, , 124-139.	1.0	1
41	Predicting Associations Between Proteins and Multiple Diseases. Lecture Notes in Computer Science, 2020, , 383-392.	1.0	0
42	Hierarchy Decomposition Pipeline: A Toolbox for Comparison of Model Induction Algorithms on Hierarchical Multi-label Classification Problems. Lecture Notes in Computer Science, 2020, , 486-501.	1.0	0
43	Option Predictive Clustering Trees for Multi-label Classification. Acta Polytechnica Hungarica, 2020, 17, 109-128.	2.5	2
44	Estimating the Importance of Relational Features by Using Gradient Boosting. Lecture Notes in Computer Science, 2020, , 362-371.	1.0	2
45	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
46	SMURF: Systematic Methodology for Unveiling Relevant Factors in Retrospective Data on Chronic Disease Treatments. IEEE Access, 2019, 7, 92598-92614.	2.6	3
47	Quantifying the Effects of Gyroless Flying of the Mars Express Spacecraft with Machine Learning. , 2019, , .		6
48	Data-Driven Structuring of the Output Space Improves the Performance of Multi-Target Regressors. IEEE Access, 2019, 7, 145177-145198.	2.6	4
49	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
50	MetaBags: Bagged Meta-Decision Trees for Regression. Lecture Notes in Computer Science, 2019, , 637-652.	1.0	9
51	Towards reusable process-based models of dynamical systems: A case study in the domain of aquatic ecosystems. , 2019, , .		0
52	Meta-Model Framework for Surrogate-Based Parameter Estimation in Dynamical Systems. IEEE Access, 2019, 7, 181829-181841.	2.6	4
53	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
54	Analysis of 1.2 million foot scans from North America, Europe and Asia. Scientific Reports, 2019, 9, 19155.	1.6	30

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55	Predicting Thermal Power Consumption of the Mars Express Satellite with Data Stream Mining. Lecture Notes in Computer Science, 2019, , 186-201.	1.0	1
56	Utilizing Hierarchies in Tree-Based Online Structured Output Prediction. Lecture Notes in Computer Science, 2019, , 87-95.	1.0	2
57	A machine-learning model for quantitative characterization of human skin using photothermal radiometry and diffuse reflectance spectroscopy. , 2019, , .		3
58	Hybrid technique for characterization of human skin using a combined machine learning and inverse Monte Carlo approach. , 2019, , .		1
59	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
60	Modeling the risk of water pollution by pesticides from imbalanced data. Environmental Science and Pollution Research, 2018, 25, 18781-18792.	2.7	14
61	Semi-supervised trees for multi-target regression. Information Sciences, 2018, 450, 109-127.	4.0	31
62	Tree-based methods for online multi-target regression. Journal of Intelligent Information Systems, 2018, 50, 315-339.	2.8	27
63	Redescription mining augmented with random forest of multi-target predictive clustering trees. Journal of Intelligent Information Systems, 2018, 50, 63-96.	2.8	13
64	Inferential Modelling of Population Dynamics. , 2018, , 161-188.		0
65	Extensive evaluation of the generalized relevance network approach to inferring gene regulatory networks. GigaScience, 2018, 7, .	3.3	7
66	Decoupling approximation robustly reconstructs directed dynamical networks. New Journal of Physics, 2018, 20, 113003.	1.2	6
67	Comparison of an optimal regression method for climate reconstruction with the compare_methods() function from the dendroTools R package. Dendrochronologia, 2018, 52, 96-104.	1.0	5
68	Feature Ranking with Relief for Multi-label Classification: Does Distance Matter?. Lecture Notes in Computer Science, 2018, , 51-65.	1.0	4
69	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
70	The evolutionary signal in metagenome phyletic profiles predicts many gene functions. Microbiome, 2018, 6, 129.	4.9	3
71	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
72	Ensembles for multi-target regression with random output selections. Machine Learning, 2018, 107, 1673-1709.	3.4	23

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73	Predicting the vessel lumen area tree-ring parameter of Quercus robur with linear and nonlinear machine learning algorithms. Geochronometria, 2018, 45, 211-222.	0.2	6
74	HMC-ReliefF: Feature ranking for hierarchical multi-label classification. Computer Science and Information Systems, 2018, 15, 187-209.	0.7	12
75	Structuring the Output Space in Multi-label Classification by Using Feature Ranking. Lecture Notes in Computer Science, 2018, , 151-166.	1.0	1
76	Extending Redescription Mining to Multiple Views. Lecture Notes in Computer Science, 2018, , 292-307.	1.0	0
77	Phenotype Prediction with Semi-supervised Classification Trees. Lecture Notes in Computer Science, 2018, , 138-150.	1.0	1
78	Self-training for multi-target regression with tree ensembles. Knowledge-Based Systems, 2017, 123, 41-60.	4.0	41
79	Modelling Time-Series of Glucose Measurements from Diabetes Patients Using Predictive Clustering Trees. Lecture Notes in Computer Science, 2017, , 95-104.	1.0	0
80	Semi-supervised classification trees. Journal of Intelligent Information Systems, 2017, 49, 461-486.	2.8	36
81	A framework for redescription set construction. Expert Systems With Applications, 2017, 68, 196-215.	4.4	17
82	Multi-label classification via multi-target regression on data streams. Machine Learning, 2017, 106, 745-770.	3.4	53
83	Predictive Clustering of Multi-dimensional Time Series Applied to Forest Growing Stock Data forÂDifferent Tree Sizes. Communications in Computer and Information Science, 2017, , 186-195.	0.4	0
84	Feature Ranking for Multi-target Regression with Tree Ensemble Methods. Lecture Notes in Computer Science, 2017, , 171-185.	1.0	9
85	Predictive Clustering Trees for Hierarchical Multi-Target Regression. Lecture Notes in Computer Science, 2017, , 223-234.	1.0	3
86	General Meta-Model Framework for Surrogate-Based Numerical Optimization. Lecture Notes in Computer Science, 2017, , 51-66.	1.0	2
87	Multi-label Classification Using Random Label Subset Selections. Lecture Notes in Computer Science, 2017, , 108-115.	1.0	3
88	Option Predictive Clustering Trees for Hierarchical Multi-label Classification. Lecture Notes in Computer Science, 2017, , 116-123.	1.0	0
89	Evaluating the effect of Clostridium difficile conditioned medium on fecal microbiota community structure. Scientific Reports, 2017, 7, 16448.	1.6	9
90	Process-Based Modeling and Design of Dynamical Systems. Lecture Notes in Computer Science, 2017, , 378-382.	1.0	5

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91	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
92	Uporaba metod strojnega uÄenja za preuÄevanje odnosov med znaÄilnostmi branik in okoljem. Acta Silvae Et Ligni, 2017, 114, 21-24.	0.3	1
93	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
94	Comparison of Tree-Based Methods for Multi-target Regression on Data Streams. Lecture Notes in Computer Science, 2016, , 17-31.	1.0	4
95	The use of data-derived label hierarchies in multi-label classification. Journal of Intelligent Information Systems, 2016, 47, 57-90.	2.8	11
96	Ontology Engineering: From an Art to a Craft. Lecture Notes in Computer Science, 2016, , 174-181.	1.0	0
97	Special issue on discovery science. Machine Learning, 2016, 105, 1-2.	3.4	7
98	A comparison of fuzzy identification methods on benchmark datasets. IFAC-PapersOnLine, 2016, 49, 31-36.	0.5	7
99	Redescription Mining with Multi-target Predictive Clustering Trees. Lecture Notes in Computer Science, 2016, , 125-143.	1.0	8
100	Process-based design of dynamical biological systems. Scientific Reports, 2016, 6, 34107.	1.6	8
101	TMPRSS2:ERG gene aberrations may provide insight into pT stage in prostate cancer. BMC Urology, 2016, 16, 35.	0.6	6
102	Learning stochastic process-based models of dynamical systems from knowledge and data. BMC Systems Biology, 2016, 10, 30.	3.0	19
103	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
104	Generic ontology of datatypes. Information Sciences, 2016, 329, 900-920.	4.0	40
105	Ensembles of Fuzzy Linear Model Trees for the Identification of Multioutput Systems. IEEE Transactions on Fuzzy Systems, 2016, 24, 916-929.	6.5	8
106	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
107	Improving bag-of-visual-words image retrieval with predictive clustering trees. Information Sciences, 2016, 329, 851-865.	4.0	39
108	Learning Ensembles of Process-Based Models by Bagging of Random Library Samples. Lecture Notes in Computer Science, 2016, , 245-260.	1.0	1

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109	Option Predictive Clustering Trees for Multi-target Regression. Lecture Notes in Computer Science, 2016, , 118-133.	1.0	2
110	Modeling Dynamic Systems with Efficient Ensembles of Process-Based Models. PLoS ONE, 2016, 11, e0153507.	1.1	20
111	Modeling dynamical systems with data stream mining. Computer Science and Information Systems, 2016, 13, 453-473.	0.7	1
112	A Comparison of Different Data Transformation Approaches in the Feature Ranking Context. Lecture Notes in Computer Science, 2016, , 310-324.	1.0	0
113	Estimating Drainage Periods for Agricultural Fields from Measured Data: Dataâ€Mining Methodology and a Case Study (La JailliÃˆRe, France). Irrigation and Drainage, 2015, 64, 703-716.	0.8	6
114	Semi-Supervised Multi-View Learning for Gene Network Reconstruction. PLoS ONE, 2015, 10, e0144031.	1.1	32
115	The discriminatory value of cardiorespiratory interactions in distinguishing awake from anaesthetised states: a randomised observational study. Anaesthesia, 2015, 70, 1356-1368.	1.8	71
116	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
117	Predicting long-term population dynamics with bagging and boosting of process-based models. Expert Systems With Applications, 2015, 42, 8484-8496.	4.4	24
118	Domain-specific model selection for structural identification of the Rab5-Rab7 dynamics in endocytosis. BMC Systems Biology, 2015, 9, 31.	3.0	6
119	Semi-supervised Learning for Multi-target Regression. Lecture Notes in Computer Science, 2015, , 3-18.	1.0	8
120	Evaluation of Different Data-Derived Label Hierarchies in Multi-label Classification. Lecture Notes in Computer Science, 2015, , 19-37.	1.0	5
121	Community structure models are improved by exploiting taxonomic rank with predictive clustering trees. Ecological Modelling, 2015, 306, 294-304.	1.2	8
122	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
123	The importance of the label hierarchy in hierarchical multi-label classification. Journal of Intelligent Information Systems, 2015, 45, 247-271.	2.8	25
124	Learning ensembles of population dynamics models and their application to modelling aquatic ecosystems. Ecological Modelling, 2015, 306, 305-317.	1.2	6
125	Online tree-based ensembles and option trees for regression on evolving data streams. Neurocomputing, 2015, 150, 458-470.	3.5	55
126	Modeling water outflow from tile-drained agricultural fields. Science of the Total Environment, 2015, 505, 390-401.	3.9	21

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127	Model-Tree Ensembles for noise-tolerant system identification. Advanced Engineering Informatics, 2015, 29, 1-15.	4.0	3
128	Multi-label Classification via Multi-target Regression on Data Streams. Lecture Notes in Computer Science, 2015, , 170-185.	1.0	5
129	Chaophilic or chaotolerant fungi: a new category of extremophiles?. Frontiers in Microbiology, 2014, 5, 708.	1.5	52
130	The Use of the Label Hierarchy in Hierarchical Multi-label Classification Improves Performance. Lecture Notes in Computer Science, 2014, , 162-177.	1.0	2
131	Ontology of core data mining entities. Data Mining and Knowledge Discovery, 2014, 28, 1222-1265.	2.4	43
132	Model Tree Ensembles for the Identification of Multiple-Output Systems. , 2014, , .		3
133	ReliefF for Hierarchical Multi-label Classification. Lecture Notes in Computer Science, 2014, , 148-161.	1.0	8
134	Fast and efficient visual codebook construction for multi-label annotation using predictive clustering trees. Pattern Recognition Letters, 2014, 38, 38-45.	2.6	7
135	Development of a knowledge library for automated watershed modeling. Environmental Modelling and Software, 2014, 54, 60-72.	1.9	10
136	Using PPI network autocorrelation in hierarchical multi-label classification trees for gene function prediction. BMC Bioinformatics, 2013, 14, 285.	1.2	41
137	Tree ensembles for predicting structured outputs. Pattern Recognition, 2013, 46, 817-833.	5.1	210
138	Phyletic Profiling with Cliques of Orthologs Is Enhanced by Signatures of Paralogy Relationships. PLoS Computational Biology, 2013, 9, e1002852.	1.5	29
139	A large-scale evaluation of computational protein function prediction. Nature Methods, 2013, 10, 221-227.	9.0	789
140	Dealing with spatial autocorrelation when learning predictive clustering trees. Ecological Informatics, 2013, 13, 22-39.	2.3	34
141	Changes of poultry faecal microbiota associated with Clostridium difficile colonisation. Veterinary Microbiology, 2013, 165, 416-424.	0.8	24
142	Habitat modeling with single- and multi-target trees and ensembles. Ecological Informatics, 2013, 18, 79-92.	2.3	8
143	HYBRID DECISION TREE ARCHITECTURE UTILIZING LOCAL SVMs FOR EFFICIENT MULTI-LABEL LEARNING. International Journal of Pattern Recognition and Artificial Intelligence, 2013, 27, 1351004.	0.7	3
144	Length dispersion of shoes labelled with the same size in the UK shoe-size system. Footwear Science, 2013, 5, S39-S41.	0.8	7

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145	Neuroblastoma tumorigenesis is regulated through the Nm23-H1/h-Prune C-terminal interaction. Scientific Reports, 2013, 3, 1351.	1.6	34
146	Learning Hierarchical Multi-label Classification Trees from Network Data. Lecture Notes in Computer Science, 2013, , 233-248.	1.0	2
147	OntoDM-KDD: Ontology for Representing the Knowledge Discovery Process. Lecture Notes in Computer Science, 2013, , 126-140.	1.0	22
148	Gut Microbiota Patterns Associated with Colonization of Different Clostridium difficile Ribotypes. PLoS ONE, 2013, 8, e58005.	1.1	63
149	Inductive Process Modeling of Rab5-Rab7 Conversion in Endocytosis. Lecture Notes in Computer Science, 2013, , 265-280.	1.0	0
150	Fast and Scalable Image Retrieval Using Predictive Clustering Trees. Lecture Notes in Computer Science, 2013, , 33-48.	1.0	5
151	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
152	Hierarchical classification of diatom images using ensembles of predictive clustering trees. Ecological Informatics, 2012, 7, 19-29.	2.3	60
153	Using relational decision trees to model out-crossing rates in a multi-field setting. Ecological Modelling, 2012, 245, 75-83.	1.2	7
154	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
155	Network regression with predictive clustering trees. Data Mining and Knowledge Discovery, 2012, 25, 378-413.	2.4	43
156	Parameter estimation in a nonlinear dynamic model of an aquatic ecosystem with meta-heuristic optimization. Ecological Modelling, 2012, 226, 36-61.	1.2	27
157	Two stage architecture for multi-label learning. Pattern Recognition, 2012, 45, 1019-1034.	5.1	29
158	An extensive experimental comparison of methods for multi-label learning. Pattern Recognition, 2012, 45, 3084-3104.	5.1	579
159	Estimating the risk of fire outbreaks in the natural environment. Data Mining and Knowledge Discovery, 2012, 24, 411-442.	2.4	34
160	Machine Learning, Ensemble Methods in. , 2012, , 1781-1789.		3
161	Dealing with Spatial Autocorrelation in Gene Flow Modeling. Developments in Environmental Modelling, 2012, , 35-49.	0.3	0
162	Adaptive Windowing for Online Learning from Multiple Inter-related Data Streams. , 2011, , .		3

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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	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
165	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
166	Analysis of time series data on agroecosystem vegetation using predictive clustering trees. Ecological Modelling, 2011, 222, 2524-2529.	1.2	14
167	Learning model trees from evolving data streams. Data Mining and Knowledge Discovery, 2011, 23, 128-168.	2.4	218
168	Parameter estimation with bio-inspired meta-heuristic optimization: modeling the dynamics of endocytosis. BMC Systems Biology, 2011, 5, 159.	3.0	37
169	Automated discovery of a model for dinoflagellate dynamics. Environmental Modelling and Software, 2011, 26, 658-668.	1.9	7
170	Hierarchical annotation of medical images. Pattern Recognition, 2011, 44, 2436-2449.	5.1	114
171	Incremental multi-target model trees for data streams. , 2011, , .		21
172	Predicting Structured Outputs k-Nearest Neighbours Method. Lecture Notes in Computer Science, 2011, , 262-276.	1.0	6
173	Dual Layer Voting Method for Efficient Multi-label Classification. Lecture Notes in Computer Science, 2011, , 232-239.	1.0	4
174	Network Regression with Predictive Clustering Trees. Lecture Notes in Computer Science, 2011, , 333-348.	1.0	9
175	Global and Local Spatial Autocorrelation in Predictive Clustering Trees. Lecture Notes in Computer Science, 2011, , 307-322.	1.0	13
176	Inductive Databases and Constraint-Based Data Mining. Lecture Notes in Computer Science, 2011, , 1-17.	1.0	0
177	Predicting gene function using hierarchical multi-label decision tree ensembles. BMC Bioinformatics, 2010, 11, 2.	1.2	143
178	Learning habitat models for the diatom community in Lake Prespa. Ecological Modelling, 2010, 221, 330-337.	1.2	35
179	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
180	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

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181	Finding explained groups of time-course gene expression profiles with predictive clustering trees. Molecular BioSystems, 2010, 6, 729.	2.9	30
182	Estimating vegetation height and canopy cover from remotely sensed data with machine learning. Ecological Informatics, 2010, 5, 256-266.	2.3	134
183	Modeling the Dynamics of Biological Networks from Time Course Data. Systems Biology, 2010, , 275-294.	0.1	1
184	Predicting Gene Function using Predictive Clustering Trees. , 2010, , 365-387.		6
185	Analyzing Gene Expression Data with Predictive Clustering Trees. , 2010, , 389-406.		2
186	Representing Entities in the OntoDM Data Mining Ontology. , 2010, , 27-58.		11
187	ImageCLEF 2009 Medical Image Annotation Task: PCTs for Hierarchical Multi-Label Classification. Lecture Notes in Computer Science, 2010, , 231-238.	1.0	3
188	Inductive Databases and Constraint-based Data Mining: Introduction and Overview. , 2010, , 3-26.		0
189	Constrained Predictive Clustering. , 2010, , 155-175.		1
190	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
191	Modelling the outcrossing between genetically modified and conventional maize with equation discovery. Ecological Modelling, 2009, 220, 1063-1072.	1.2	11
192	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
193	Relational Data Mining. , 2009, , 887-911.		18
194	Towards an Ontology of Data Mining Investigations. Lecture Notes in Computer Science, 2009, , 257-271.	1.0	12
195	Rule Ensembles for Multi-target Regression. , 2009, , .		15
196	Predicting chemical parameters of the water from diatom abudance in lake Prespa and its tributaries. Environmental Science and Engineering, 2009, , 264-277.	0.1	2
197	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
198	Inductive process modeling. Machine Learning, 2008, 71, 1-32.	3.4	66

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199	Decision trees for hierarchical multi-label classification. Machine Learning, 2008, 73, 185-214.	3.4	497
200	Characterizing the presence of oilseed rape feral populations on field margins using machine learning. Ecological Modelling, 2008, 212, 147-154.	1.2	36
201	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
202	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
203	A qualitative multi-attribute model for economic and ecological assessment of genetically modified crops. Ecological Modelling, 2008, 215, 247-261.	1.2	74
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