Donato Malerba

List of Publications by Year
in descending order

236 papers	4,008 citations	168829 31 h-index	182931 54 g-index
261 all docs	261 docs citations	261 times ranked	3066 citing authors

#	Article	IF	Citations
1	Leveraging autoencoders in change vector analysis of optical satellite images. Journal of Intelligent Information Systems, 2022, 58, 433-452.	2.8	4
2	A Multi-View Deep Learning Approach for Predictive Business Process Monitoring. IEEE Transactions on Services Computing, 2022, 15, 2382-2395.	3.2	25
3	ROULETTE: A neural attention multi-output model for explainable Network Intrusion Detection. Expert Systems With Applications, 2022, 201, 117144.	4.4	17
4	Siamese Networks withÂTransfer Learning forÂChange Detection inÂSentinel-2 Images. Lecture Notes in Computer Science, 2022, , 478-489.	1.0	1
5	Nearest cluster-based intrusion detection through convolutional neural networks. Knowledge-Based Systems, 2021, 216, 106798.	4.0	59
6	Mining emotion-aware sequential rules at user-level from micro-blogs. Journal of Intelligent Information Systems, 2021, 57, 369.	2.8	1
7	Autoencoder-based deep metric learning for network intrusion detection. Information Sciences, 2021, 569, 706-727.	4.0	81
8	Leveraging colour-based pseudo-labels to supervise saliency detection in hyperspectral image datasets. Journal of Intelligent Information Systems, 2021, 57, 423-446.	2.8	0
9	GAN augmentation to deal with imbalance in imaging-based intrusion detection. Future Generation Computer Systems, 2021, 123, 108-127.	4.9	62
10	Improving Cyber-Threat Detection byÂMoving the Boundary Around theÂNormal Samples. Studies in Computational Intelligence, 2021, , 105-127.	0.7	6
11	Leveraging Grad-CAM to Improve the Accuracy of Network Intrusion Detection Systems. Lecture Notes in Computer Science, 2021, , 385-400.	1.0	5
12	A Network Intrusion Detection System for Concept Drifting Network Traffic Data. Lecture Notes in Computer Science, 2021, , 111-121.	1.0	3
13	FOX: a neuro-Fuzzy model for process Outcome prediction and eXplanation. , 2021, , .		3
14	jKarma: A highly-modular framework for pattern-based change detection on evolving data. Knowledge-Based Systems, 2020, 192, 105303.	4.0	1
15	Exploiting causality in gene network reconstruction based on graph embedding. Machine Learning, 2020, 109, 1231-1279.	3.4	25
16	Condensed representations of changes in dynamic graphs through emerging subgraph mining. Engineering Applications of Artificial Intelligence, 2020, 94, 103830.	4.3	7
17	ORANGE: Outcome-Oriented Predictive Process Monitoring Based on Image Encoding and CNNs. IEEE Access, 2020, 8, 184073-184086.	2.6	15
18	Clustering-Aided Multi-View Classification: A Case Study on Android Malware Detection. Journal of Intelligent Information Systems, 2020, 55, 1-26.	2.8	23

#	Article	IF	Citations
19	Detecting salient regions in a bi-temporal hyperspectral scene by iterating clustering and classification. Applied Intelligence, 2020, 50, 3179-3200.	3.3	8
20	A Multi-Stage Machine Learning Approach to Predict Dengue Incidence: A Case Study in Mexico. IEEE Access, 2020, 8, 52713-52725.	2.6	26
21	Saliency Detection for Hyperspectral Images via Sparse-Non Negative-Matrix-Factorization and novel Distance Measures*. , 2020, , .		5
22	Training in a Virtual Learning Environment: A Process Mining Approach. , 2020, , .		0
23	Multi-Channel Deep Feature Learning for Intrusion Detection. IEEE Access, 2020, 8, 53346-53359.	2.6	70
24	Predictive Process Mining Meets Computer Vision. Lecture Notes in Business Information Processing, 2020, , 176-192.	0.8	19
25	Saliency Detection in Hyperspectral Images Using Autoencoder-Based Data Reconstruction. Lecture Notes in Computer Science, 2020, , 161-170.	1.0	4
26	Leveraging Machine Learning in IoT to Predict the Trustworthiness of Mobile Crowd Sensing Data. Lecture Notes in Computer Science, 2020, , 235-244.	1.0	1
27	Exploiting Pattern Set Dissimilarity for Detecting Changes in Communication Networks. Studies in Computational Intelligence, 2020, , 137-152.	0.7	0
28	Using Convolutional Neural Networks for Predictive Process Analytics. , 2019, , .		52
29	Trustworthiness of Context-Aware Urban Pollution Data in Mobile Crowd Sensing. IEEE Access, 2019, 7, 154141-154156.	2.6	6
30	Exploiting the Auto-Encoder Residual Error for Intrusion Detection. , 2019, , .		19
31	Big Data Analytics and Predictive Modeling Approaches for the Energy Sector. , 2019, , .		3
32	Spatial autocorrelation and entropy for renewable energy forecasting. Data Mining and Knowledge Discovery, 2019, 33, 698-729.	2.4	41
33	DENCAST: distributed density-based clustering for multi-target regression. Journal of Big Data, 2019, 6, .	6.9	40
34	Leveraging Shallow Machine Learning to Predict Business Process Behavior. , 2019, , .		10
35	Segmentation-aided classification of hyperspectral data using spatial dependency of spectral bands. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 147, 215-231.	4.9	26
36	Semantic Support for Model Based Big Data Analytics-as-a-Service (MBDAaaS). Advances in Intelligent Systems and Computing, 2019, , 1012-1021.	0.5	2

#	ARTICLE	IF	CITATIONS
37	Periodicity Detection of Emotional Communities in Microblogging. Lecture Notes in Computer Science, 2019, , 558-571.	1.0	0
38	An Empirical Evaluation of Sequential Pattern Mining Algorithms. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 615-626.	0.5	0
39	Relational Data Mining in the Era of Big Data. Studies in Big Data, 2018, , 323-339.	0.8	2
40	Multi-type clustering and classification from heterogeneous networks. Information Sciences, 2018, 425, 107-126.	4.0	37
41	Leveraging correlation across space and time to interpolate geophysical data via CoKriging. International Journal of Geographical Information Science, 2018, 32, 191-212.	2.2	9
42	Distributed Learning of Process Models for Next Activity Prediction. , 2018, , .		7
43	An OWL Ontology for Supporting Semantic Services in Big Data Platforms. , 2018, , .		11
44	Identifying lncRNA-Disease Relationships via Heterogeneous Clustering. Lecture Notes in Computer Science, 2018, , 35-48.	1.0	9
45	Mining microscopic and macroscopic changes in network data streams. Knowledge-Based Systems, 2018, 161, 294-312.	4.0	9
46	User-Emotion Detection Through Sentence-Based Classification Using Deep Learning: A Case-Study with Microblogs in Albanian. Lecture Notes in Computer Science, 2018, , 258-267.	1.0	3
47	Active learning via collective inference in network regression problems. Information Sciences, 2018, 460-461, 293-317.	4.0	3
48	Analyzing Microblogging Posts for Tracking Collective Emotional Trajectories. Lecture Notes in Computer Science, 2018, , 123-135.	1.0	2
49	Handling Multi-scale Data via Multi-target Learning for Wind Speed Forecasting. Lecture Notes in Computer Science, 2018, , 357-366.	1.0	1
50	Leveraging temporal autocorrelation of historical data for improving accuracy in network regression. Statistical Analysis and Data Mining, 2017, 10, 40-53.	1.4	20
51	Mining Spatio-Temporal Patterns of Periodic Changes in Climate Data. Lecture Notes in Computer Science, 2017, , 198-212.	1.0	1
52	LOCANDA: Exploiting Causality in the Reconstruction of Gene Regulatory Networks. Lecture Notes in Computer Science, 2017, , 283-297.	1.0	1
53	Using multiple time series analysis for geosensor data forecasting. Information Sciences, 2017, 380, 31-52.	4.0	32
54	Predictive Modeling of PV Energy Production: How to Set Up the Learning Task for a Better Prediction?. IEEE Transactions on Industrial Informatics, 2017, 13, 956-966.	7.2	66

#	Article	IF	Citations
55	A novel spectral-spatial co-training algorithm for the transductive classification of hyperspectral imagery data. Pattern Recognition, 2017, 63, 229-245.	5.1	32
56	Exploiting Web Sites Structural and Content Features for Web Pages Clustering. Lecture Notes in Computer Science, 2017, , 446-456.	1.0	0
57	Sampling Training Data for Accurate Hyperspectral Image Classification via Tree-Based Spatial Clustering. Lecture Notes in Computer Science, 2017, , 309-320.	1.0	0
58	Automatic Generation of Sitemaps Based on Navigation Systems. Lecture Notes in Computer Science, 2016, , 216-223.	1.0	1
59	Discovering and Tracking Organizational Structures in Event Logs. Lecture Notes in Computer Science, 2016, , 46-60.	1.0	5
60	Transductive hyperspectral image classification: toward integrating spectral and relational features via an iterative ensemble system. Machine Learning, 2016, 103, 343-375.	3.4	14
61	Collective regression for handling autocorrelation of network data in a transductive setting. Journal of Intelligent Information Systems, 2016, 46, 447-472.	2.8	17
62	Big Data Research in Italy: A Perspective. Engineering, 2016, 2, 163-170.	3.2	18
63	Anomaly detection in aerospace product manufacturing: Initial remarks. , 2016, , .		3
64	Mining Periodic Changes in Complex Dynamic Data Through Relational Pattern Discovery. Lecture Notes in Computer Science, 2016, , 76-90.	1.0	2
65	A Co-Training Strategy for Multiple View Clustering in Process Mining. IEEE Transactions on Services Computing, 2016, 9, 832-845.	3.2	51
66	CloFAST: closed sequential pattern mining using sparse and vertical id-lists. Knowledge and Information Systems, 2016, 48, 429-463.	2.1	66
67	ComiRNet: a web-based system for the analysis of miRNA-gene regulatory networks. BMC Bioinformatics, 2015, 16, S7.	1.2	43
68	Discovering Novelty Patterns from the Ancient Christian Inscriptions of Rome. Journal on Computing and Cultural Heritage, 2015, 7, 1-21.	1.2	1
69	Relational mining for discovering changes in evolving networks. Neurocomputing, 2015, 150, 265-288.	3.5	16
70	Effectively and efficiently supporting roll-up and drill-down OLAP operations over continuous dimensions via hierarchical clustering. Journal of Intelligent Information Systems, 2015, 44, 309-333.	2.8	37
71	Summarizing numeric spatial data streams by trend cluster discovery. Data Mining and Knowledge Discovery, 2015, 29, 84-136.	2.4	24
72	Discovering Variability Patterns for Change Detection in Complex Phenotype Data. Lecture Notes in Computer Science, 2015, , 9-18.	1.0	2

#	Article	IF	Citations
73	Very Short-Term Wind Speed Forecasting Using Spatio-Temporal Lazy Learning. Lecture Notes in Computer Science, 2015, , 9-16.	1.0	1
74	Hierarchical Multidimensional Classification of Web Documents with MultiWebClass. Lecture Notes in Computer Science, 2015, , 236-250.	1.0	5
75	Process Mining to Forecast the Future of Running Cases. Lecture Notes in Computer Science, 2014, , 67-81.	1.0	14
76	Multi-Relational Model Tree Induction Tightly-Coupled with a Relational Database. Fundamenta Informaticae, 2014, 129, 193-224.	0.3	1
77	Big Data Techniques For Supporting Accurate Predictions of Energy Production From Renewable Sources. , 2014, , .		11
78	Integrating microRNA target predictions for the discovery of gene regulatory networks: a semi-supervised ensemble learning approach. BMC Bioinformatics, 2014, 15, S4.	1.2	45
79	Sensor Networks and Data Streams: Basics. SpringerBriefs in Computer Science, 2014, , 1-8.	0.2	1
80	Missing Sensor Data Interpolation. SpringerBriefs in Computer Science, 2014, , 49-71.	0.2	1
81	Dealing with temporal and spatial correlations to classify outliers in geophysical data streams. Information Sciences, 2014, 285, 162-180.	4.0	22
82	A parallel algorithm for approximate frequent itemset mining using MapReduce. , 2014, , .		5
83	Innovative power operating center management exploiting big data techniques. , 2014, , .		6
84	Leveraging the power of local spatial autocorrelation in geophysical interpolative clustering. Data Mining and Knowledge Discovery, 2014, 28, 1266-1313.	2.4	18
85	Integrating Cluster Analysis to the ARIMA Model for Forecasting Geosensor Data. Lecture Notes in Computer Science, 2014, , 234-243.	1.0	7
86	Automatic Extraction of Logical Web Lists. Lecture Notes in Computer Science, 2014, , 365-374.	1.0	5
87	Collective Inference for Handling Autocorrelation in Network Regression. Lecture Notes in Computer Science, 2014, , 542-547.	1.0	1
88	Completion Time and Next Activity Prediction of Processes Using Sequential Pattern Mining. Lecture Notes in Computer Science, 2014, , 49-61.	1.0	51
89	Network Reconstruction for the Identification of miRNA:mRNA Interaction Networks. Lecture Notes in Computer Science, 2014, , 508-511.	1.0	1
90	Geodata Stream Summarization. SpringerBriefs in Computer Science, 2014, , 9-48.	0.2	0

#	Article	IF	Citations
91	Sensor Data Surveillance. SpringerBriefs in Computer Science, 2014, , 73-88.	0.2	0
92	Mining Dense Regions from Vehicular Mobility in Streaming Setting. Lecture Notes in Computer Science, 2014, , 40-49.	1.0	0
93	A Business Intelligence Solution for Monitoring Efficiency of Photovoltaic Power Plants. Lecture Notes in Computer Science, 2014, , 518-523.	1.0	0
94	A Novel Biclustering Algorithm for the Discovery of Meaningful Biological Correlations between microRNAs and their Target Genes. BMC Bioinformatics, 2013, 14, S8.	1.2	38
95	Using PPI network autocorrelation in hierarchical multi-label classification trees for gene function prediction. BMC Bioinformatics, 2013, 14, 285.	1.2	41
96	Dealing with spatial autocorrelation when learning predictive clustering trees. Ecological Informatics, 2013, 13, 22-39.	2.3	34
97	Discovering Evolution Chains in Dynamic Networks. Lecture Notes in Computer Science, 2013, , 185-199.	1.0	10
98	Italian Machine Learning and Data Mining research: The last years. Intelligenza Artificiale, 2013, 7, 77-89.	1.0	0
99	Enhancing Regression Models with Spatio-temporal Indicator Additions. Lecture Notes in Computer Science, 2013, , 433-444.	1.0	8
100	An Intelligent Technique for Forecasting Spatially Correlated Time Series. Lecture Notes in Computer Science, 2013, , 457-468.	1.0	8
101	Learning Hierarchical Multi-label Classification Trees from Network Data. Lecture Notes in Computer Science, 2013, , 233-248.	1.0	2
102	Document Image Understanding through Iterative Transductive Learning. Communications in Computer and Information Science, 2013, , 117-128.	0.4	0
103	Semi- supervised ensemble learning to boost miRNA target predictions.. EMBnet Journal, 2013, 19, 74.	0.2	0
104	Using trend clusters for spatiotemporal interpolation of missing data in a sensor network. Journal of Spatial Information Science, 2013, , .	1.1	5
105	Trend cluster based interpolation everywhere in a sensor network. , 2012, , .		2
106	Toward Geographic Information Harvesting: Extraction of Spatial Relational Facts from Web Documents. , 2012, , .		9
107	Guest editors' introduction: special issue of selected papers from ECML PKDD 2011. Machine Learning, 2012, 89, 1-3.	3.4	2
108	Guest Editors' Introduction: special issue of selected papers from ECML PKDD 2011. Data Mining and Knowledge Discovery, 2012, 25, 169-172.	2.4	0

#	ARTICLE	IF	CITATIONS
109	An Intelligent System for Real Time Fault Detection in PV Plants. Smart Innovation, Systems and Technologies, 2012, , 235-244.	0.5	5
110	Process Mining Manifesto. Lecture Notes in Business Information Processing, 2012, , 169-194.	0.8	546
111	Integrating Trend Clusters for Spatio-temporal Interpolation of Missing Sensor Data. Lecture Notes in Computer Science, 2012, , 203-220.	1.0	5
112	Transductive Relational Classification in the Co-training Paradigm. Lecture Notes in Computer Science, 2012, , 11-25.	1.0	5
113	Learning and Transferring Geographically Weighted Regression Trees across Time. Lecture Notes in Computer Science, 2012, , 97-117.	1.0	4
114	Trend Cluster Based Kriging Interpolation in Sensor Data Networks. Lecture Notes in Computer Science, 2012, , 118-137.	1.0	3
115	Learning to Rank from Concept-Drifting Network Data Streams. Lecture Notes in Computer Science, 2012, , 384-396.	1.0	0
116	An Unsupervised Framework for Topological Relations Extraction from Geographic Documents. Lecture Notes in Computer Science, 2012, , 48-55.	1.0	3
117	Mining Ranking Models from Dynamic Network Data. Lecture Notes in Computer Science, 2012, , 566-577.	1.0	1
118	Dealing with Spatial Autocorrelation in Gene Flow Modeling. Developments in Environmental Modelling, 2012, , 35-49.	0.3	0
119	The integration of microRNA target data by biclustering techniques opens new roads for signaling networks analysis. EMBnet Journal, 2012, 18, 142.	0.2	1
120	Trend cluster based compression of geographically distributed data streams. , 2011, , .		6
121	Discovering process models through relational disjunctive patterns mining. , 2011, , .		0
122	HyLiEn. , 2011, , .		11
123	A parallel, distributed algorithm for relational frequent pattern discovery from very large data sets. Intelligent Data Analysis, 2011, 15, 69-88.	0.4	29
124	Growing parallel paths for entity-page discovery. , 2011, , .		6
125	Extracting General Lists from Web Documents: A Hybrid Approach. Lecture Notes in Computer Science, 2011, , 285-294.	1.0	10
126	FAST Sequence Mining Based on Sparse Id-Lists. Lecture Notes in Computer Science, 2011, , 316-325.	1.0	21

#	ARTICLE	IF	CITATIONS
127	A Temporal Data Mining Framework for Analyzing Longitudinal Data. Lecture Notes in Computer Science, 2011, , 97-106.	1.0	3
128	Online and Offline Trend Cluster Discovery in Spatially Distributed Data Streams. Lecture Notes in Computer Science, 2011, , 142-161.	1.0	3
129	Global and Local Spatial Autocorrelation in Predictive Clustering Trees. Lecture Notes in Computer Science, 2011, , 307-322.	1.0	13
130	Project D.A.M.A.: Document Acquisition, Management and Archiving. Communications in Computer and Information Science, 2011, , 115-118.	0.4	1
131	Unexpected results in automatic list extraction on the web. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2011, 12, 26-30.	3.2	13
132	Relational Mining in Spatial Domains: Accomplishments and Challenges. Lecture Notes in Computer Science, 2011, , 16-24.	1.0	0
133	Transductive Learning of Logical Structures from Document Images. Studies in Computational Intelligence, 2011, , 121-142.	0.7	1
134	MBlab: Molecular Biodiversity Laboratory. Communications in Computer and Information Science, 2011, , 132-135.	0.4	0
135	Transductive learning for spatial regression with co-training. , 2010, , .		3
136	Mapping web pages to database records via link paths. , 2010, , .		4
137	Complex objects ranking. , 2010, , .		2
138	Summarization for Geographically Distributed Data Streams. Lecture Notes in Computer Science, 2010, , 339-348.	1.0	13
139	Transductive Learning for Spatial Data Classification. Studies in Computational Intelligence, 2010, , 189-207.	0.7	4
140	A Relational Approach for Discovering Frequent Patterns with Disjunctions. Lecture Notes in Computer Science, 2010, , 263-274.	1.0	0
141	Computational annotation of UTR cis-regulatory modules through Frequent Pattern Mining. BMC Bioinformatics, 2009, 10, S25.	1.2	9
142	A relational approach to probabilistic classification in a transductive setting. Engineering Applications of Artificial Intelligence, 2009, 22, 109-116.	4.3	19
143	Leveraging the Power of Spatial Data Mining to Enhance the Applicability of GIS Technology. Chapman & Hall/CRC Data Mining and Knowledge Discovery Series, 2009, , 255-289.	0.2	0
144	Novelty Detection from Evolving Complex Data Streams with Time Windows. Lecture Notes in Computer Science, 2009, , 563-572.	1.0	9

#	ARTICLE	IF	CITATIONS
145	An Iterative Learning Algorithm for Within-Network Regression in the Transductive Setting. Lecture Notes in Computer Science, 2009, , 36-50.	1.0	5
146	Approximate Frequent Itemset Discovery from Data Stream. Lecture Notes in Computer Science, 2009, , 151-160.	1.0	2
147	A Temporal Data Mining Approach for Discovering Knowledge on the Changes of the Patientâ€™s Physiology. Lecture Notes in Computer Science, 2009, , 26-35.	1.0	0
148	A Knowledge-Based Framework for Information Extraction from Clinical Practice Guidelines. Lecture Notes in Computer Science, 2009, , 119-128.	1.0	0
149	Relational Frequent Patterns Mining for Novelty Detection from Data Streams. Lecture Notes in Computer Science, 2009, , 427-439.	1.0	1
150	Geographic Knowledge Discovery in INGENS: An Inductive Database Perspective. , 2008, , .		3
151	A KDD Platform Based on the Application Service Provider Paradigm. , 2008, , .		1
152	Discovering Triggering Events from Longitudinal Data. , 2008, , .		0
153	A relational perspective on spatial data mining. International Journal of Data Mining, Modelling and Management, 2008, 1, 103.	0.1	21
154	Discovering Emerging Patterns for Anomaly Detection in Network Connection Data. , 2008, , 179-188.		6
155	Stepwise Induction of Logistic Model Trees. , 2008, , 68-77.		1
156	Machine Learning for Reading Order Detection in Document Image Understanding. Studies in Computational Intelligence, 2008, , 45-69.	0.7	15
157	Emerging Pattern Based Classification in Relational Data Mining. Lecture Notes in Computer Science, 2008, , 283-296.	1.0	9
158	Discovering Spatio-Textual Association Rules in Document Images. , 2008, , 176-197.		0
159	A Grid-Based Multi-relational Approach to Process Mining. Lecture Notes in Computer Science, 2008, , 701-709.	1.0	2
160	Top-Down Induction of Relational Model Trees in Multi-instance Learning. Lecture Notes in Computer Science, 2008, , 24-41.	1.0	0
161	An Integrated Platform for Spatial Data Mining within a GIS Environment. , 2007, , .		4
162	A Data Mining Approach to Reading Order Detection. Proc Int Conf Doc Anal Recognit, 2007, , .	0.0	8

#	Article	IF	Citations
163	RELATIONAL DATA MINING AND ILP FOR DOCUMENT IMAGE UNDERSTANDING. Applied Artificial Intelligence, 2007, 21, 317-342.	2.0	19
164	Classifying web documents in a hierarchy of categories: a comprehensive study. Journal of Intelligent Information Systems, 2007, 28, 37-78.	2.8	86
165	Using colour information to understand censorship cards of film archives. International Journal on Document Analysis and Recognition, 2007, 9, 281-297.	2.7	2
166	Discovering Relational Emerging Patterns. Lecture Notes in Computer Science, 2007, , 206-217.	1.0	13
167	Discovering Emerging Patterns in Spatial Databases: A Multi-relational Approach. Lecture Notes in Computer Science, 2007, , 390-397.	1.0	17
168	A Data Mining Methodology for Anomaly Detection in Network Data. Lecture Notes in Computer Science, 2007, , 109-116.	1.0	3
169	Symbolic Analysis to Learn Evolving CyberTraffic. Studies in Classification, Data Analysis, and Knowledge Organization, 2007, , 23-33.	0.1	0
170	Mining geospatial data in a transductive setting. WIT Transactions on Information and Communication Technologies, 2007, , .	0.0	0
171	Grid-based data mining for market basket analysis in the retail sector. WIT Transactions on Information and Communication Technologies, 2007, , .	0.0	0
172	Mining Information Extraction Models for HmtDB annotation. , 2006, , .		2
173	Classification of symbolic objects: A lazy learning approach. Intelligent Data Analysis, 2006, 10, 301-324.	0.4	24
174	Mining spatio-temporal data. Journal of Intelligent Information Systems, 2006, 27, 187-190.	2.8	35
175	Learning Recursive Patterns for Biomedical Information Extraction. Lecture Notes in Computer Science, 2006, , 79-93.	1.0	5
176	Learning the Daily Model of Network Traffic. Lecture Notes in Computer Science, 2005, , 131-141.	1.0	9
177	Mining and Filtering Multi-level Spatial Association Rules with ARES. Lecture Notes in Computer Science, 2005, , 342-353.	1.0	13
178	A color-based layout analysis to process censorship cards of film archives. , 2005, , .		1
179	Mining Relational Association Rules for Propositional Classification. Lecture Notes in Computer Science, 2005, , 522-534.	1.0	0
180	Relational learning techniques for document image understanding: comparing statistical and logical approaches. , 2005, , .		2

#	Article	IF	Citations
181	Mining Model Trees from Spatial Data. Lecture Notes in Computer Science, 2005, , 169-180.	1.0	14
182	Relational Learning: Statistical Approach Versus Logical Approach in Document Image Understanding. Lecture Notes in Computer Science, 2005, , 418-429.	1.0	1
183	A Data Mining Query Language for Knowledge Discovery in a Geographical Information System. Lecture Notes in Computer Science, 2004, , 95-116.	1.0	7
184	Inducing Multi-Level Association Rules from Multiple Relations. Machine Learning, 2004, 55, 175-210.	3.4	76
185	Top-down induction of model trees with regression and splitting nodes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 612-625.	9.7	86
186	An Integrated Approach for Automatic Semantic Structure Extraction in Document Images. Lecture Notes in Computer Science, 2004, , 179-190.	1.0	5
187	On the Effect of Caching in Recursive Theory Learning. Lecture Notes in Computer Science, 2004, , 44-62.	1.0	4
188	Spatial Associative Classification at Different Levels of Granularity: A Probabilistic Approach. Lecture Notes in Computer Science, 2004, , 99-111.	1.0	8
189	Empowering a GIS with inductive learning capabilities: the case of INGENS. Computers, Environment and Urban Systems, 2003, 27, 265-281.	3.3	26
190	Automated Classification of Web Documents into a Hierarchy of Categories. , 2003, , 59-68.		1
191	Mining Model Trees: A Multi-relational Approach. Lecture Notes in Computer Science, 2003, , 4-21.	1.0	11
192	XML and Knowledge Technologies for Semantic-Based Indexing of Paper Documents. Lecture Notes in Computer Science, 2003, , 256-265.	1.0	2
193	Mining official data. Intelligent Data Analysis, 2003, 7, 497-500.	0.4	6
194	Discovery of spatial association rules in geo-referenced census data: A relational mining approach. Intelligent Data Analysis, 2003, 7, 541-566.	0.4	66
195	Hierarchical Classification of HTML Documents with WebClassII. Lecture Notes in Computer Science, 2003, , 57-72.	1.0	22
196	Comparing Simplification Methods for Model Trees with Regression and Splitting Nodes. Lecture Notes in Computer Science, 2003, , 49-56.	1.0	5
197	Mr-SBC: A Multi-relational NaÃ¯ve Bayes Classifier. Lecture Notes in Computer Science, 2003, , 95-106.	1.0	29
198	Bridging the Gap between Horn Clausal Logic and Description Logics in Inductive Learning. Lecture Notes in Computer Science, 2003, , 53-64.	1.0	4

#	ARTICLE	IF	CITATIONS
199	Simplification Methods for Model Trees with Regression and Splitting Nodes. , 2003, , 20-34.		1
200	Mining HTML Pages to Support Document Sharing in a Cooperative System. Lecture Notes in Computer Science, 2002, , 420-434.	1.0	4
201	Generating Logic Descriptions for the Automated Interpretation of Topographic Maps. Lecture Notes in Computer Science, 2002, , 200-210.	1.0	3
202	Adaptive Layout Analysis of Document Images. Lecture Notes in Computer Science, 2002, , 526-534.	1.0	5
203	Machine learning in computer vision. Applied Artificial Intelligence, 2001, 15, 693-705.	2.0	9
204	Inductive learning from numerical and symbolic data: An integrated framework. Intelligent Data Analysis, 2001, 5, 445-461.	0.4	2
205	Transforming paper documents into XML format with WISDOM++. International Journal on Document Analysis and Recognition, 2001, 4, 2-17.	2.7	54
206	Machine Learning for Intelligent Processing of Printed Documents. Journal of Intelligent Information Systems, 2000, 14, 175-198.	2.8	44
207	Induction of Recursive Theories in the Normal ILP Setting: Issues and Solutions. Lecture Notes in Computer Science, 2000, , 93-111.	1.0	5
208	A Machine Learning Approach to Web Mining. Lecture Notes in Computer Science, 2000, , 190-201.	1.0	3
209	The effects of pruning methods on the predictive accuracy of induced decision trees. Applied Stochastic Models in Business and Industry, 1999, 15, 277-299.	0.9	36
210	Machine learning for intelligent document processing: The WISDOM system. Lecture Notes in Computer Science, 1999, , 103-113.	1.0	1
211	Symbolic Learning Techniques in Paper Document Processing. Lecture Notes in Computer Science, 1999, , 159-173.	1.0	2
212	Adding machine learning and knowledge intensive techniques to a digital library service. International Journal on Digital Libraries, 1998, 2, 3-19.	1.1	25
213	A Logic Framework for the Incremental Inductive Synthesis of Datalog Theories. Lecture Notes in Computer Science, 1998, , 300-321.	1.0	42
214	Machine learning for map interpretation: An intelligent tool for environmental planning. Applied Artificial Intelligence, 1997, 11, 673-696.	2.0	12
215	Machine learning + on-line libraries = IDL. Lecture Notes in Computer Science, 1997, , 195-214.	1.0	10
216	Discovering causal rules in relational databases. Applied Artificial Intelligence, 1997, 11, 71-84.	2.0	3

#	Article	IF	Citations
217	A comparative analysis of methods for pruning decision trees. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1997, 19, 476-493.	9.7	395
218	Processing paper documents with WISDOM. Lecture Notes in Computer Science, 1997, , 439-442.	1.0	4
219	Handling continuous data in top-down induction of first-order rules. Lecture Notes in Computer Science, 1997, , 24-35.	1.0	8
220	Knowledge revision for document understanding. Lecture Notes in Computer Science, 1997, , 619-628.	1.0	4
221	IDL: A prototypical intelligent digital library service. Lecture Notes in Computer Science, 1997, , 447-450.	1.0	2
222	Locally finite, proper and complete operators for refining Datalog programs. Lecture Notes in Computer Science, 1996, , 468-478.	1.0	12
223	A Further Comparison of Simplification Methods for Decision-Tree Induction. Lecture Notes in Statistics, 1996, , 365-374.	0.1	24
224	Ideal refinement of Datalog programs. Lecture Notes in Computer Science, 1996, , 120-136.	1.0	10
225	Revision of logical theories. Lecture Notes in Computer Science, 1995, , 365-376.	1.0	7
226	MULTISTRATEGY LEARNING FOR DOCUMENT RECOGNITION. Applied Artificial Intelligence, 1994, 8, 33-84.	2.0	70
227	Avoiding non-termination when learning logic programs: A case study with FOIL and FOCL. Lecture Notes in Computer Science, 1994, , 183-198.	1.0	7
228	Traps and pitfalls when learning logical definitions from relations. Lecture Notes in Computer Science, 1994, , 376-385.	1.0	7
229	Negation as a specializing operator. Lecture Notes in Computer Science, 1993, , 166-177.	1.0	4
230	Classification in noisy environments using a distance measure between structural symbolic descriptions. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1992, 14, 390-402.	9.7	33
231	Automated discovery of dependencies between logical components in document image understanding. , 0, , .		10
232	Correcting the document layout: a machine learning approach. , 0, , .		9
233	Machine learning methods for automatically processing historical documents: from paper acquisition to XML transformation. , 0, , .		13
234	Exporting Symbolic Objects to Databases. , 0, , 61-66.		0

#	Article	IF	Citations
235	Dissimilarity and Matching. , 0, , 121-148.		1
236	Machine learning for information extraction from topographic maps. , 0, , 291-314.		11