

Mark Last

List of Publications by Year in descending order

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Version: 2024-02-01

138
papers

2,535
citations

257357

24
h-index

265120

42
g-index

147
all docs

147
docs citations

147
times ranked

1957
citing authors

#	ARTICLE	IF	CITATIONS
1	Open challenges for data stream mining research. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2014, 16, 1-10.	3.2	215
2	Graph-based keyword extraction for single-document summarization. , 2008, , .		164
3	Online classification of nonstationary data streams. Intelligent Data Analysis, 2002, 6, 129-147.	0.4	120
4	Information-theoretic algorithm for feature selection. Pattern Recognition Letters, 2001, 22, 799-811.	2.6	105
5	Using a neural network in the software testing process. International Journal of Intelligent Systems, 2002, 17, 45.	3.3	98
6	Real-time data mining of non-stationary data streams from sensor networks. Information Fusion, 2008, 9, 344-353.	11.7	75
7	Metaphor Identification in Large Texts Corpora. PLoS ONE, 2013, 8, e62343.	1.1	70
8	CLASSIFICATION OF WEB DOCUMENTS USING GRAPH MATCHING. International Journal of Pattern Recognition and Artificial Intelligence, 2004, 18, 475-496.	0.7	65
9	A fuzzy-based lifetime extension of genetic algorithms. Fuzzy Sets and Systems, 2005, 149, 131-147.	1.6	57
10	A compact and accurate model for classification. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 203-215.	4.0	53
11	IMPROVING STABILITY OF DECISION TREES. International Journal of Pattern Recognition and Artificial Intelligence, 2002, 16, 145-159.	0.7	52
12	Short-term load forecasting in smart meters with sliding window-based ARIMA algorithms. Vietnam Journal of Computer Science, 2018, 5, 241-249.	1.0	51
13	The first wave of COVID-19 in Israelâ€™Initial analysis of publicly available data. PLoS ONE, 2020, 15, e0240393.	1.1	45
14	Data mining in software metrics databases. Fuzzy Sets and Systems, 2004, 145, 81-110.	1.6	43
15	Info-fuzzy algorithms for mining dynamic data streams. Applied Soft Computing Journal, 2008, 8, 1283-1294.	4.1	41
16	Modeling software testing costs and risks using fuzzy logic paradigm. Journal of Systems and Software, 2007, 80, 817-835.	3.3	38
17	DegExt â€™ A Language-Independent Graph-Based Keyphrase Extractor. Advances in Intelligent and Soft Computing, 2011, , 121-130.	0.2	36
18	Anomaly detection in web documents using crisp and fuzzy-based cosine clustering methodology. Information Sciences, 2007, 177, 467-475.	4.0	35

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19	CLUSTERING OF WEB DOCUMENTS USING A GRAPH MODEL. Series in Machine Perception and Artificial Intelligence, 2003, , 3-18.	0.1	32
20	Large-scale analysis of self-disclosure patterns among online social networks users: a Russian context. Knowledge and Information Systems, 2012, 32, 609-628.	2.1	31
21	The data mining approach to automated software testing. , 2003, , .		30
22	Predicting the Maximum Earthquake Magnitude from Seismic Data in Israel and Its Neighboring Countries. PLoS ONE, 2016, 11, e0146101.	1.1	30
23	3-Dimensional curve similarity using string matching. Robotics and Autonomous Systems, 2004, 49, 165-172.	3.0	28
24	Knowledge discovery in data streams with regression tree methods. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2012, 2, 69-78.	4.6	28
25	ADMIRAL: A Data Mining Based Financial Trading System. , 2007, , .		27
26	Information-theoretic fuzzy approach to data reliability and data mining. Fuzzy Sets and Systems, 2001, 117, 183-194.	1.6	25
27	A Feature-Based Serial Approach to Classifier Combination. Pattern Analysis and Applications, 2002, 5, 385-398.	3.1	24
28	Quality and comprehension of UML interaction diagrams-an experimental comparison. Information and Software Technology, 2005, 47, 675-692.	3.0	24
29	A fuzzy-based path ordering algorithm for QoS routing in non-deterministic communication networks. Fuzzy Sets and Systems, 2005, 150, 401-417.	1.6	22
30	Incremental Clustering of Mobile Objects. , 2007, , .		21
31	Discovering useful and understandable patterns in manufacturing data. Robotics and Autonomous Systems, 2004, 49, 137-152.	3.0	18
32	Differentiation between Viral and Bacterial Acute Infections Using Chemiluminescent Signatures of Circulating Phagocytes. Analytical Chemistry, 2011, 83, 4258-4265.	3.2	18
33	Comparison of Distance Measures for Graph-Based Clustering of Documents. Lecture Notes in Computer Science, 2003, , 202-213.	1.0	18
34	Graph Representations for Web Document Clustering. Lecture Notes in Computer Science, 2003, , 935-942.	1.0	17
35	Short-Term Load Forecasting in Smart Meters with Sliding Window-Based ARIMA Algorithms. Lecture Notes in Computer Science, 2017, , 299-307.	1.0	17
36	An unsupervised constrained optimization approach to compressive summarization. Information Sciences, 2020, 509, 22-35.	4.0	17

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37	Tracking social media during the COVID-19 pandemic: The case study of lockdown in New York State. Expert Systems With Applications, 2022, 187, 115797.	4.4	17
38	Multi-lingual Detection of Terrorist Content on the Web. Lecture Notes in Computer Science, 2006, , 16-30.	1.0	17
39	Visual evaluation of text features for document summarization and analysis. , 2008, , .		16
40	A Comparative Study of Artificial Neural Networks and Info-Fuzzy Networks as Automated Oracles in Software Testing. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 1183-1193.	3.4	16
41	The Theory and Applications of Generalized Complex Fuzzy Propositional Logic. Studies in Fuzziness and Soft Computing, 2013, , 177-192.	0.6	16
42	Theory of actionable data mining with application to semiconductor manufacturing control. International Journal of Production Research, 2007, 45, 3059-3084.	4.9	15
43	The hybrid representation model for web document classification. International Journal of Intelligent Systems, 2008, 23, 654-679.	3.3	15
44	Data Mining for Process and Quality Control in the Semiconductor Industry. Massive Computing, 2001, , 207-234.	0.4	14
45	Knowledge Discovery and Data Mining. Massive Computing, 2001, , .	0.4	14
46	Utilization of Data-Mining Techniques for Evaluation of Patterns of Asthma Drugs Use by Ambulatory Patients in a Large Health Maintenance Organization. , 2007, , .		13
47	Classification of infectious diseases based on chemiluminescent signatures of phagocytes in whole blood. Artificial Intelligence in Medicine, 2011, 52, 153-163.	3.8	13
48	DegExt: a language-independent keyphrase extractor. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 377-387.	3.3	13
49	Predictive Maintenance with Multi-target Classification Models. Lecture Notes in Computer Science, 2010, , 368-377.	1.0	13
50	Effective Black-Box Testing with Genetic Algorithms. Lecture Notes in Computer Science, 2006, , 134-148.	1.0	12
51	Discrete complex fuzzy logic. , 2012, , .		12
52	Content-Based Methodology for Anomaly Detection on the Web. , 2003, , 113-123.		12
53	Improving data mining utility with projective sampling. , 2009, , .		11
54	Evolving classification of intensive care patients from event data. Artificial Intelligence in Medicine, 2016, 69, 22-32.	3.8	11

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55	Building Graph-Based Classifier Ensembles by Random Node Selection. Lecture Notes in Computer Science, 2004, , 214-222.	1.0	11
56	BLACK-BOX TESTING WITH INFO-FUZZY NETWORKS. Series in Machine Perception and Artificial Intelligence, 2004, , 21-50.	0.1	11
57	Anytime Algorithm for Feature Selection. Lecture Notes in Computer Science, 2001, , 532-539.	1.0	10
58	TEST SET GENERATION AND REDUCTION WITH ARTIFICIAL NEURAL NETWORKS. Series in Machine Perception and Artificial Intelligence, 2004, , 101-132.	0.1	10
59	Predicting and Optimizing Classifier Utility with the Power Law. , 2007, , .		10
60	Optimizing a batch manufacturing process through interpretable data mining models. Journal of Intelligent Manufacturing, 2009, 20, 523-534.	4.4	10
61	Cross-lingual training of summarization systems using annotated corpora in a foreign language. Information Retrieval, 2013, 16, 629-656.	1.6	10
62	Multi-objective Classification with Info-Fuzzy Networks. Lecture Notes in Computer Science, 2004, , 239-249.	1.0	10
63	Fast Categorization of Web Documents Represented by Graphs. , 2006, , 56-71.		10
64	Content-Based Detection of Terrorists Browsing the Web Using an Advanced Terror Detection System (ATDS). Lecture Notes in Computer Science, 2005, , 244-255.	1.0	9
65	Using data mining techniques for optimizing traffic signal plans at an urban intersection. International Journal of Intelligent Systems, 2011, 26, 603-620.	3.3	9
66	Context-Aware Location Prediction. Lecture Notes in Computer Science, 2016, , 165-185.	1.0	9
67	PCM-SABRE: a platform for benchmarking and comparing outcome prediction methods in precision cancer medicine. BMC Bioinformatics, 2017, 18, 40.	1.2	9
68	Identifying turning points in animated cartoons. Expert Systems With Applications, 2019, 123, 246-255.	4.4	9
69	CHANGE DETECTION IN CLASSIFICATION MODELS INDUCED FROM TIME SERIES DATA. Series in Machine Perception and Artificial Intelligence, 2004, , 101-125.	0.1	9
70	Clustering of Web Documents Using Graph Representations. , 2007, , 247-265.		8
71	Multi-lingual Detection of Web Terrorist Content. Studies in Computational Intelligence, 2008, , 79-96.	0.7	8
72	A Simple, Structure-Sensitive Approach for Web Document Classification. Lecture Notes in Computer Science, 2005, , 293-298.	1.0	7

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73	Design of test inputs and their sequences in multi-function system testing. Applied Intelligence, 2006, 25, 107-126.	3.3	7
74	Discovering regular groups of mobile objects using incremental clustering. , 2008, , .		7
75	Information-Theoretic Fuzzy Approach to Knowledge Discovery in Databases. , 1999, , 315-326.		7
76	A Compact Representation of Spatio-Temporal Data. , 2007, , .		6
77	Dynamic Component Chemiluminescent Sensor for Assessing Circulating Polymorphonuclear Leukocyte Activity of Peritoneal Dialysis Patients. Analytical Chemistry, 2008, 80, 5131-5138.	3.2	6
78	Condition-based Maintenance with Multi-Target Classification Models. New Generation Computing, 2011, 29, 245-260.	2.5	6
79	CryptoRNN - Privacy-Preserving Recurrent Neural Networks Using Homomorphic Encryption. Lecture Notes in Computer Science, 2020, , 245-253.	1.0	6
80	A Graph-Based Framework for Web Document Mining. Lecture Notes in Computer Science, 2004, , 401-412.	1.0	5
81	Data Mining for Software Testing. , 2005, , 1239-1248.		5
82	Predicting future locations using clusters' centroids. , 2007, , .		5
83	Towards story-based classification of movie scenes. PLoS ONE, 2020, 15, e0228579.	1.1	5
84	Facing airborne attacks on ADS-B data with autoencoders. Computers and Security, 2021, 109, 102405.	4.0	5
85	PERCEPTION-BASED ANALYSIS OF ENGINEERING EXPERIMENTS IN THE SEMICONDUCTOR INDUSTRY. International Journal of Image and Graphics, 2002, 02, 107-126.	1.2	4
86	Design and implementation of a web mining system for organizing search engine results. International Journal of Intelligent Systems, 2005, 20, 607-625.	3.3	4
87	Predicting Stock Trends with Time Series Data Mining and Web Content Mining. , 2006, , 181-190.		4
88	Measuring Similarity Between Trajectories of Mobile Objects. Studies in Computational Intelligence, 2008, , 101-128.	0.7	4
89	Using sonification for mining time series data. , 2008, , .		4
90	Responsive News Summarization for Ubiquitous Consumption on Multiple Mobile Devices. , 2018, , .		4

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91	Automatic question generation. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2020, 10, e1382.	4.6	4
92	Classification of Web Documents Using Concept Extraction from Ontologies. , 2007, , 287-292.		4
93	Fuzzification and Reduction of Information-Theoretic Rule Sets. Studies in Fuzziness and Soft Computing, 2001, , 63-93.	0.6	4
94	Induction of Mean Output Prediction Trees from Continuous Temporal Meteorological Data. , 2009, , .		3
95	Look-Ahead Mechanism Integration in Decision Tree Induction Models. , 2006, , 285-294.		3
96	Content-Based Detection of Terrorists Browsing the Web Using an Advanced Terror Detection System (ATDS). Integrated Series on Information Systems, 2008, , 365-384.	0.1	3
97	Fighting Terror in Cyberspace. Series in Machine Perception and Artificial Intelligence, 2005, , .	0.1	3
98	Predicting Wine Quality from Agricultural Data with Single-Objective and Multi-Objective Data Mining Algorithms. , 2008, , 323-365.		3
99	Information-efficient design of an automatic aircraft maintenance supervisor. Computers and Operations Research, 1993, 20, 421-434.	2.4	2
100	Avoiding the Look-Ahead Pathology of Decision Tree Learning. International Journal of Intelligent Systems, 2013, 28, 974-987.	3.3	2
101	Multi-target Classification: Methodology and Practical Case Studies. Lecture Notes in Computer Science, 2016, , 280-283.	1.0	2
102	Fuzzy Comparison of Frequency Distributions. Advances in Intelligent and Soft Computing, 2002, , 219-227.	0.2	2
103	On Fuzziness in Complex Fuzzy Systems. Studies in Fuzziness and Soft Computing, 2013, , 665-672.	0.6	2
104	FMS control design: an information value approach. Journal of Intelligent Manufacturing, 1992, 3, 123-132.	4.4	1
105	Information-efficient robotic control. Robotica, 1994, 12, 157-164.	1.3	1
106	Fuzzy Approach to Data Reliability. Studies in Fuzziness and Soft Computing, 2000, , 89-101.	0.6	1
107	GEOMETRIC APPROACH TO DATA MINING. International Journal of Image and Graphics, 2001, 01, 363-386.	1.2	1
108	FUZZY CLUSTERING WITH GENETICALLY ADAPTIVE SCALING. International Journal of Image and Graphics, 2002, 02, 557-572.	1.2	1

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109	COLOR FACE SEGMENTATION USING A FUZZY MIN-MAX NEURAL NETWORK. International Journal of Image and Graphics, 2002, 02, 587-601.	1.2	1
110	Comparison of Algorithms for Web Document Clustering Using Graph Representations of Data. Lecture Notes in Computer Science, 2004, , 190-197.	1.0	1
111	Efficient Learning Algorithms for Agents Mining Time-Changing Data Streams. , 2006, , .		1
112	Detection of access to terror-related Web sites using an Advanced Terror Detection System (ATDS). Journal of the Association for Information Science and Technology, 2010, 61, 405-418.	2.6	1
113	Identification of Terrorist Web Sites with Cross-Lingual Classification Tools. Series in Machine Perception and Artificial Intelligence, 2005, , 117-141.	0.1	1
114	A Scalable Algorithm for One-to-One, Onto, and Partial Schema Matching with Uninterpreted Column Names and Column Values. Journal of Database Management, 2014, 25, 1-16.	1.0	1
115	Rich Feature Spaces and Regression Models in Single-Document Extractive Summarization. , 2019, , 119-154.		1
116	Towards the global equilibrium of COVID-19: Statistical analysis of country-level data. Health Science Reports, 2022, 5, e592.	0.6	1
117	<title>Information-efficient design of robotic systems</title>. , 1992, , .		0
118	Terrorist Detection System. Lecture Notes in Computer Science, 2004, , 540-542.	1.0	0
119	Comparing representative selection strategies for dissimilarity representations. International Journal of Intelligent Systems, 2006, 21, 1093-1109.	3.3	0
120	INPRET: The Interval Prediction Tree algorithm for temporal numerical data. Intelligent Decision Technologies, 2016, 10, 407-418.	0.6	0
121	Automatic generation of composite image descriptions. , 2017, , .		0
122	Kernel-Based Fuzzy Intuitionistic Possibilistic Clustering: Analyzing High-Dimensional Gene Expression Cancer Database. Data-Enabled Discovery and Applications, 2020, 4, 1.	1.2	0
123	Penalty term based suitable fuzzy intuitionistic possibilistic clustering: analyzing high dimensional gene expression cancer database. Soft Computing, 2021, 25, 9839-9857.	2.1	0
124	EVALUATION OF FUZZY RULES EXTRACTED FROM DATA. Fuzzy Economic Review, 2001, 06, .	0.4	0
125	Test Case Sequences in System Testing: Selection of Test Cases for a Chain (Sequence) of Function Clusters. Lecture Notes in Computer Science, 2004, , 895-904.	1.0	0
126	Using Data Mining Technology for Terrorist Detection on the Web. Series in Machine Perception and Artificial Intelligence, 2005, , 41-62.	0.1	0

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127	A New Lexicon-based Method for Automated Detection of Terrorist Web Documents. Advances in Pattern Recognition, 2007, , 119-128.	0.8	0
128	New Formats and Interfaces for Multi-Document News Summarization and its Evaluation. Advances in Data Mining and Database Management Book Series, 2014, , 231-255.	0.4	0
129	Early Warning from Car Warranty Data using a Fuzzy Logic Technique. , 0, , 347-364.		0
130	Segmentation of Continuous Data Streams Based on a Change Detection Methodology. , 2005, , 103-126.		0
131	Polynomial Time Complexity Graph Distance Computation for Web Content Mining. , 2006, , 197-215.		0
132	The first wave of COVID-19 in Israelâ€™Initial analysis of publicly available data. , 2020, 15, e0240393.		0
133	The first wave of COVID-19 in Israelâ€™Initial analysis of publicly available data. , 2020, 15, e0240393.		0
134	The first wave of COVID-19 in Israelâ€™Initial analysis of publicly available data. , 2020, 15, e0240393.		0
135	The first wave of COVID-19 in Israelâ€™Initial analysis of publicly available data. , 2020, 15, e0240393.		0
136	The first wave of COVID-19 in Israelâ€™Initial analysis of publicly available data. , 2020, 15, e0240393.		0
137	The first wave of COVID-19 in Israelâ€™Initial analysis of publicly available data. , 2020, 15, e0240393.		0
138	Using ECG Signals for Hypotensive Episode Prediction in trauma patients. Computer Methods and Programs in Biomedicine, 2022, , 106955.	2.6	0