

# 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	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
2	Towards the global equilibrium of COVID-19: Statistical analysis of country-level data. Health Science Reports, 2022, 5, e592.	0.6	1
3	Using ECG Signals for Hypotensive Episode Prediction in trauma patients. Computer Methods and Programs in Biomedicine, 2022, , 106955.	2.6	0
4	Penalty term based suitable fuzzy intuitionistic possibilistic clustering: analyzing high dimensional gene expression cancer database. Soft Computing, 2021, 25, 9839-9857.	2.1	0
5	Facing airborne attacks on ADS-B data with autoencoders. Computers and Security, 2021, 109, 102405.	4.0	5
6	An unsupervised constrained optimization approach to compressive summarization. Information Sciences, 2020, 509, 22-35.	4.0	17
7	Automatic question generation. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2020, 10, e1382.	4.6	4
8	Kernel-Based Fuzzy Intuitionistic Possibilistic Clustering: Analyzing High-Dimensional Gene Expression Cancer Database. Data-Enabled Discovery and Applications, 2020, 4, 1.	1.2	0
9	Towards story-based classification of movie scenes. PLoS ONE, 2020, 15, e0228579.	1.1	5
10	CryptoRNN - Privacy-Preserving Recurrent Neural Networks Using Homomorphic Encryption. Lecture Notes in Computer Science, 2020, , 245-253.	1.0	6
11	The first wave of COVID-19 in Israel-Initial analysis of publicly available data. PLoS ONE, 2020, 15, e0240393.	1.1	45
12	The first wave of COVID-19 in Israel-Initial analysis of publicly available data. , 2020, 15, e0240393.		0
13	The first wave of COVID-19 in Israel-Initial analysis of publicly available data. , 2020, 15, e0240393.		0
14	The first wave of COVID-19 in Israel-Initial analysis of publicly available data. , 2020, 15, e0240393.		0
15	The first wave of COVID-19 in Israel-Initial analysis of publicly available data. , 2020, 15, e0240393.		0
16	The first wave of COVID-19 in Israel-Initial analysis of publicly available data. , 2020, 15, e0240393.		0
17	The first wave of COVID-19 in Israel-Initial analysis of publicly available data. , 2020, 15, e0240393.		0
18	Identifying turning points in animated cartoons. Expert Systems With Applications, 2019, 123, 246-255.	4.4	9

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19	Rich Feature Spaces and Regression Models in Single-Document Extractive Summarization. , 2019, , 119-154.		1
20	Responsive News Summarization for Ubiquitous Consumption on Multiple Mobile Devices. , 2018, , .		4
21	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
22	PCM-SABRE: a platform for benchmarking and comparing outcome prediction methods in precision cancer medicine. BMC Bioinformatics, 2017, 18, 40.	1.2	9
23	Short-Term Load Forecasting in Smart Meters with Sliding Window-Based ARIMA Algorithms. Lecture Notes in Computer Science, 2017, , 299-307.	1.0	17
24	Automatic generation of composite image descriptions. , 2017, , .		0
25	INPRET: The Interval Prediction Tree algorithm for temporal numerical data. Intelligent Decision Technologies, 2016, 10, 407-418.	0.6	0
26	Multi-target Classification: Methodology and Practical Case Studies. Lecture Notes in Computer Science, 2016, , 280-283.	1.0	2
27	Evolving classification of intensive care patients from event data. Artificial Intelligence in Medicine, 2016, 69, 22-32.	3.8	11
28	Context-Aware Location Prediction. Lecture Notes in Computer Science, 2016, , 165-185.	1.0	9
29	Predicting the Maximum Earthquake Magnitude from Seismic Data in Israel and Its Neighboring Countries. PLoS ONE, 2016, 11, e0146101.	1.1	30
30	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
31	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
32	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
33	DegExt: a language-independent keyphrase extractor. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 377-387.	3.3	13
34	Cross-lingual training of summarization systems using annotated corpora in a foreign language. Information Retrieval, 2013, 16, 629-656.	1.6	10
35	Avoiding the Look-Ahead Pathology of Decision Tree Learning. International Journal of Intelligent Systems, 2013, 28, 974-987.	3.3	2
36	The Theory and Applications of Generalized Complex Fuzzy Propositional Logic. Studies in Fuzziness and Soft Computing, 2013, , 177-192.	0.6	16

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37	Metaphor Identification in Large Texts Corpora. PLoS ONE, 2013, 8, e62343.	1.1	70
38	On Fuzziness in Complex Fuzzy Systems. Studies in Fuzziness and Soft Computing, 2013, , 665-672.	0.6	2
39	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
40	Discrete complex fuzzy logic. , 2012, , .		12
41	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
42	Knowledge discovery in data streams with regression tree methods. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2012, 2, 69-78.	4.6	28
43	Differentiation between Viral and Bacterial Acute Infections Using Chemiluminescent Signatures of Circulating Phagocytes. Analytical Chemistry, 2011, 83, 4258-4265.	3.2	18
44	Classification of infectious diseases based on chemiluminescent signatures of phagocytes in whole blood. Artificial Intelligence in Medicine, 2011, 52, 153-163.	3.8	13
45	DegExt – A Language-Independent Graph-Based Keyphrase Extractor. Advances in Intelligent and Soft Computing, 2011, , 121-130.	0.2	36
46	Condition-based Maintenance with Multi-Target Classification Models. New Generation Computing, 2011, 29, 245-260.	2.5	6
47	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
48	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
49	Predictive Maintenance with Multi-target Classification Models. Lecture Notes in Computer Science, 2010, , 368-377.	1.0	13
50	Improving data mining utility with projective sampling. , 2009, , .		11
51	Optimizing a batch manufacturing process through interpretable data mining models. Journal of Intelligent Manufacturing, 2009, 20, 523-534.	4.4	10
52	Induction of Mean Output Prediction Trees from Continuous Temporal Meteorological Data. , 2009, , .		3
53	The hybrid representation model for web document classification. International Journal of Intelligent Systems, 2008, 23, 654-679.	3.3	15
54	Info-fuzzy algorithms for mining dynamic data streams. Applied Soft Computing Journal, 2008, 8, 1283-1294.	4.1	41

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55	Real-time data mining of non-stationary data streams from sensor networks. Information Fusion, 2008, 9, 344-353.	11.7	75
56	Visual evaluation of text features for document summarization and analysis. , 2008, , .		16
57	Discovering regular groups of mobile objects using incremental clustering. , 2008, , .		7
58	Dynamic Component Chemiluminescent Sensor for Assessing Circulating Polymorphonuclear Leukocyte Activity of Peritoneal Dialysis Patients. Analytical Chemistry, 2008, 80, 5131-5138.	3.2	6
59	Measuring Similarity Between Trajectories of Mobile Objects. Studies in Computational Intelligence, 2008, , 101-128.	0.7	4
60	Using sonification for mining time series data. , 2008, , .		4
61	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
62	Multi-lingual Detection of Web Terrorist Content. Studies in Computational Intelligence, 2008, , 79-96.	0.7	8
63	Predicting Wine Quality from Agricultural Data with Single-Objective and Multi-Objective Data Mining Algorithms. , 2008, , 323-365.		3
64	Graph-based keyword extraction for single-document summarization. , 2008, , .		164
65	Incremental Clustering of Mobile Objects. , 2007, , .		21
66	Predicting future locations using clusters' centroids. , 2007, , .		5
67	Theory of actionable data mining with application to semiconductor manufacturing control. International Journal of Production Research, 2007, 45, 3059-3084.	4.9	15
68	ADMIRAL: A Data Mining Based Financial Trading System. , 2007, , .		27
69	Predicting and Optimizing Classifier Utility with the Power Law. , 2007, , .		10
70	Utilization of Data-Mining Techniques for Evaluation of Patterns of Asthma Drugs Use by Ambulatory Patients in a Large Health Maintenance Organization. , 2007, , .		13
71	A Compact Representation of Spatio-Temporal Data. , 2007, , .		6
72	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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73	Modeling software testing costs and risks using fuzzy logic paradigm. Journal of Systems and Software, 2007, 80, 817-835.	3.3	38
74	Clustering of Web Documents Using Graph Representations. , 2007, , 247-265.		8
75	Classification of Web Documents Using Concept Extraction from Ontologies. , 2007, , 287-292.		4
76	A New Lexicon-based Method for Automated Detection of Terrorist Web Documents. Advances in Pattern Recognition, 2007, , 119-128.	0.8	0
77	Efficient Learning Algorithms for Agents Mining Time-Changing Data Streams. , 2006, , .		1
78	Effective Black-Box Testing with Genetic Algorithms. Lecture Notes in Computer Science, 2006, , 134-148.	1.0	12
79	Design of test inputs and their sequences in multi-function system testing. Applied Intelligence, 2006, 25, 107-126.	3.3	7
80	Comparing representative selection strategies for dissimilarity representations. International Journal of Intelligent Systems, 2006, 21, 1093-1109.	3.3	0
81	Predicting Stock Trends with Time Series Data Mining and Web Content Mining. , 2006, , 181-190.		4
82	Multi-lingual Detection of Terrorist Content on the Web. Lecture Notes in Computer Science, 2006, , 16-30.	1.0	17
83	Look-Ahead Mechanism Integration in Decision Tree Induction Models. , 2006, , 285-294.		3
84	Fast Categorization of Web Documents Represented by Graphs. , 2006, , 56-71.		10
85	Polynomial Time Complexity Graph Distance Computation for Web Content Mining. , 2006, , 197-215.		0
86	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
87	A fuzzy-based lifetime extension of genetic algorithms. Fuzzy Sets and Systems, 2005, 149, 131-147.	1.6	57
88	Quality and comprehension of UML interaction diagrams-an experimental comparison. Information and Software Technology, 2005, 47, 675-692.	3.0	24
89	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
90	A Simple, Structure-Sensitive Approach for Web Document Classification. Lecture Notes in Computer Science, 2005, , 293-298.	1.0	7

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91	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
92	Data Mining for Software Testing. , 2005, , 1239-1248.		5
93	Fighting Terror in Cyberspace. Series in Machine Perception and Artificial Intelligence, 2005, , .	0.1	3
94	Using Data Mining Technology for Terrorist Detection on the Web. Series in Machine Perception and Artificial Intelligence, 2005, , 41-62.	0.1	0
95	Identification of Terrorist Web Sites with Cross-Lingual Classification Tools. Series in Machine Perception and Artificial Intelligence, 2005, , 117-141.	0.1	1
96	Segmentation of Continuous Data Streams Based on a Change Detection Methodology. , 2005, , 103-126.		0
97	TEST SET GENERATION AND REDUCTION WITH ARTIFICIAL NEURAL NETWORKS. Series in Machine Perception and Artificial Intelligence, 2004, , 101-132.	0.1	10
98	A Graph-Based Framework for Web Document Mining. Lecture Notes in Computer Science, 2004, , 401-412.	1.0	5
99	A compact and accurate model for classification. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 203-215.	4.0	53
100	CLASSIFICATION OF WEB DOCUMENTS USING GRAPH MATCHING. International Journal of Pattern Recognition and Artificial Intelligence, 2004, 18, 475-496.	0.7	65
101	3-Dimensional curve similarity using string matching. Robotics and Autonomous Systems, 2004, 49, 165-172.	3.0	28
102	Data mining in software metrics databases. Fuzzy Sets and Systems, 2004, 145, 81-110.	1.6	43
103	Discovering useful and understandable patterns in manufacturing data. Robotics and Autonomous Systems, 2004, 49, 137-152.	3.0	18
104	Comparison of Algorithms for Web Document Clustering Using Graph Representations of Data. Lecture Notes in Computer Science, 2004, , 190-197.	1.0	1
105	Terrorist Detection System. Lecture Notes in Computer Science, 2004, , 540-542.	1.0	0
106	Building Graph-Based Classifier Ensembles by Random Node Selection. Lecture Notes in Computer Science, 2004, , 214-222.	1.0	11
107	Multi-objective Classification with Info-Fuzzy Networks. Lecture Notes in Computer Science, 2004, , 239-249.	1.0	10
108	CHANGE DETECTION IN CLASSIFICATION MODELS INDUCED FROM TIME SERIES DATA. Series in Machine Perception and Artificial Intelligence, 2004, , 101-125.	0.1	9

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109	BLACK-BOX TESTING WITH INFO-FUZZY NETWORKS. Series in Machine Perception and Artificial Intelligence, 2004, , 21-50.	0.1	11
110	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
111	The data mining approach to automated software testing. , 2003, , .		30
112	Graph Representations for Web Document Clustering. Lecture Notes in Computer Science, 2003, , 935-942.	1.0	17
113	Content-Based Methodology for Anomaly Detection on the Web. , 2003, , 113-123.		12
114	Comparison of Distance Measures for Graph-Based Clustering of Documents. Lecture Notes in Computer Science, 2003, , 202-213.	1.0	18
115	CLUSTERING OF WEB DOCUMENTS USING A GRAPH MODEL. Series in Machine Perception and Artificial Intelligence, 2003, , 3-18.	0.1	32
116	IMPROVING STABILITY OF DECISION TREES. International Journal of Pattern Recognition and Artificial Intelligence, 2002, 16, 145-159.	0.7	52
117	PERCEPTION-BASED ANALYSIS OF ENGINEERING EXPERIMENTS IN THE SEMICONDUCTOR INDUSTRY. International Journal of Image and Graphics, 2002, 02, 107-126.	1.2	4
118	FUZZY CLUSTERING WITH GENETICALLY ADAPTIVE SCALING. International Journal of Image and Graphics, 2002, 02, 557-572.	1.2	1
119	COLOR FACE SEGMENTATION USING A FUZZY MIN-MAX NEURAL NETWORK. International Journal of Image and Graphics, 2002, 02, 587-601.	1.2	1
120	Online classification of nonstationary data streams. Intelligent Data Analysis, 2002, 6, 129-147.	0.4	120
121	Using a neural network in the software testing process. International Journal of Intelligent Systems, 2002, 17, 45.	3.3	98
122	A Feature-Based Serial Approach to Classifier Combination. Pattern Analysis and Applications, 2002, 5, 385-398.	3.1	24
123	Fuzzy Comparison of Frequency Distributions. Advances in Intelligent and Soft Computing, 2002, , 219-227.	0.2	2
124	Data Mining for Process and Quality Control in the Semiconductor Industry. Massive Computing, 2001, , 207-234.	0.4	14
125	Anytime Algorithm for Feature Selection. Lecture Notes in Computer Science, 2001, , 532-539.	1.0	10
126	Information-theoretic fuzzy approach to data reliability and data mining. Fuzzy Sets and Systems, 2001, 117, 183-194.	1.6	25



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127	Information-theoretic algorithm for feature selection. Pattern Recognition Letters, 2001, 22, 799-811.	2.6	105
128	GEOMETRIC APPROACH TO DATA MINING. International Journal of Image and Graphics, 2001, 01, 363-386.	1.2	1
129	Knowledge Discovery and Data Mining. Massive Computing, 2001, , .	0.4	14
130	Fuzzification and Reduction of Information-Theoretic Rule Sets. Studies in Fuzziness and Soft Computing, 2001, , 63-93.	0.6	4
131	EVALUATION OF FUZZY RULES EXTRACTED FROM DATA. Fuzzy Economic Review, 2001, 06, .	0.4	0
132	Fuzzy Approach to Data Reliability. Studies in Fuzziness and Soft Computing, 2000, , 89-101.	0.6	1
133	Information-Theoretic Fuzzy Approach to Knowledge Discovery in Databases. , 1999, , 315-326.		7
134	Information-efficient robotic control. Robotica, 1994, 12, 157-164.	1.3	1
135	Information-efficient design of an automatic aircraft maintenance supervisor. Computers and Operations Research, 1993, 20, 421-434.	2.4	2
136	<title>Information-efficient design of robotic systems</title>. , 1992, , .		0
137	FMS control design: an information value approach. Journal of Intelligent Manufacturing, 1992, 3, 123-132.	4.4	1
138	Early Warning from Car Warranty Data using a Fuzzy Logic Technique. , 0, , 347-364.		0