Mark Levene

List of Publications by Year
in descending order

88 papers	1,795 citations	304368 22 h-index	301761 39 g-index
105 all docs	105 docs citations	105 times ranked	1199 citing authors

#	Article	IF	Citations
1	Monitoring COVID-19 on Social Media: Development of an End-to-End Natural Language Processing Pipeline Using a Novel Triage and Diagnosis Approach. Journal of Medical Internet Research, 2022, 24, e30397.	2.1	7
2	A Skew Logistic Distribution for Modelling COVID-19 Waves and Its Evaluation Using the Empirical Survival Jensen–Shannon Divergence. Entropy, 2022, 24, 600.	1.1	2
3	A Hypothesis Test for the Goodness-of-Fit of the Marginal Distribution of a Time Series with Application to Stablecoin Data. Engineering Proceedings, 2021, 5, .	0.4	0
4	A stochastic differential equation approach to the analysis of the 2017 and 2019 UK general election polls. International Journal of Forecasting, 2021, 37, 1227-1234.	3.9	2
5	A General Centrality Framework-Based on Node Navigability. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 2088-2100.	4.0	21
6	A problem in human dynamics: modelling the population density of a social space. Journal of Building Performance Simulation, 2020, 13, 112-121.	1.0	1
7	Learning structured medical information from social media. Journal of Biomedical Informatics, 2020, 110, 103568.	2.5	6
8	A two-dimensional bibliometric index reflecting both quality and quantity. Scientometrics, 2020, 123, 1235-1246.	1.6	2
9	Empirical survival Jensen-Shannon divergence as a goodness-of-Fit measure for maximum likelihood estimation and curve fitting. Communications in Statistics Part B: Simulation and Computation, 2019, , 1-17.	0.6	7
10	Characterisation of the $$chi$$-index and the rec-index. Scientometrics, 2019, 120, 885-896.	1.6	4
11	Human dynamics with limited complexity. International Journal of Parallel, Emergent and Distributed Systems, 2019, 34, 356-363.	0.7	2
12	A multiplicative process for generating the rank-order distribution of UK election results. Quality and Quantity, 2018, 52, 1069-1079.	2.0	6
13	A stochastic differential equation approach to the analysis of the UK 2016 EU referendum polls. Journal of Physics Communications, 2018, 2, 055022.	0.5	3
14	Categorical relevance judgment. Journal of the Association for Information Science and Technology, 2018, 69, 1084-1094.	1.5	5
15	A novel bibliometric index with a simple geometric interpretation. PLoS ONE, 2018, 13, e0200098.	1.1	55
16	Bootstrap Domain-Specific Sentiment Classifiers from Unlabeled Corpora. Transactions of the Association for Computational Linguistics, 2018, 6, 269-285.	3.2	7
17	Analysis of change in users' assessment of search results over time. Journal of the Association for Information Science and Technology, 2017, 68, 1137-1148.	1.5	3
18	A multiplicative process for generating a beta-like survival function with application to the UK 2016 EU referendum results. International Journal of Modern Physics C, 2017, 28, 1750132.	0.8	8

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19	Testing the stability of â€œwisdom of crowdsâ€•judgments of search results over time and their similarity with the search engine rankings. Aslib Journal of Information Management, 2016, 68, 407-427.	1.3	11
20	A stochastic evolutionary model generating a mixture of exponential distributions. European Physical Journal B, 2016, 89, 1.	0.6	4
21	A Markov Chain Model for Changes in Usersâ€™ Assessment of Search Results. PLoS ONE, 2016, 11, e0155285.	1.1	3
22	How and why do users change their assessment of search results over time?. Proceedings of the Association for Information Science and Technology, 2015, 52, 1-4.	0.3	4
23	A stochastic evolutionary model for capturing human dynamics. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P08015.	0.9	5
24	The hw-rank: an h-index variant for ranking web pages. Scientometrics, 2015, 102, 2247-2253.	1.6	13
25	A stochastic evolutionary model for survival dynamics. Physica A: Statistical Mechanics and Its Applications, 2014, 410, 595-600.	1.2	3
26	A bi-logistic growth model for conference registration with an early bird deadline. Open Physics, 2013, 11, .	0.8	2
27	Collective suffix tree-based models for location prediction. , 2013, , .		7
28	A method to assess search engine results. Online Information Review, 2011, 35, 854-868.	2.2	15
29	Comparing university rankings. Scientometrics, 2010, 85, 243-256.	1.6	234
30	Predicting the long tail of book sales: Unearthing the power-law exponent. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2416-2421.	1.2	6
31	Social Networks: An Introduction. Computer Journal, 2010, 53, 1129-1129.	1.5	0
32	A COMPARISON OF SCORING METRICS FOR PREDICTING THE NEXT NAVIGATION STEP WITH MARKOV MODEL-BASED SYSTEMS. International Journal of Information Technology and Decision Making, 2010, 09, 547-573.	2.3	7
33	Query classification using asymmetric learning. , 2009, , .		1
34	Users' views on country-specific search engine results. Proceedings of the American Society for Information Science and Technology, 2009, 46, 1-12.	0.2	0
35	Presentation bias is significant in determining user preference for search resultsâ€"A user study. Journal of the Association for Information Science and Technology, 2009, 60, 135-149.	2.6	54
36	Rapid exploration of unknown areas through dynamic deployment of mobile and stationary sensor nodes. Autonomous Agents and Multi-Agent Systems, 2009, 19, 210-243.	1.3	25

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37	Variable Length Markov Chains for Web Usage Mining. , 2009, , 2031-2035.		0
38	Modelling the navigation potential of a web page. Theoretical Computer Science, 2008, 396, 88-96.	0.5	2
39	HybridExploration: A distributed approach to terrain exploration using mobile and fixed sensor nodes. , 2008, , .		1
40	MOVE GENERATION WITH PERFECT HASH FUNCTIONS. ICGA Journal, 2008, 31, 3-12.	0.2	5
41	Evaluating Variable-Length Markov Chain Models for Analysis of User Web Navigation Sessions. IEEE Transactions on Knowledge and Data Engineering, 2007, 19, 441-452.	4.0	86
42	Artificial Intelligence for Games. Series in Interactive 3D Technology. Computer Journal, 2007, 50, 371-371.	1.5	1
43	Brick& Mortar: an on-line multi-agent exploration algorithm. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	31
44	User rankings of search engine results. Journal of the Association for Information Science and Technology, 2007, 58, 1254-1266.	2.6	49
45	A model for collaboration networks giving rise to a power-law distribution with an exponential cutoff. Social Networks, 2007, 29, 70-80.	1.3	28
46	A stochastic evolutionary growth model for social networks. Computer Networks, 2007, 51, 4586-4595.	3.2	10
47	Some measures for comparing citation databases. Journal of Informetrics, 2007, 1, 26-34.	1.4	93
48	Testing the Predictive Power of Variable History Web Usage. Soft Computing, 2007, 11, 717-727.	2.1	8
49	Special issue on Web dynamics. Computer Networks, 2006, 50, 1425-1429.	3.2	5
50	Ranking Pages by Topology and Popularity within Web Sites. World Wide Web, 2006, 9, 301-316.	2.7	11
51	A suffix tree approach to anti-spam email filtering. Machine Learning, 2006, 65, 309-338.	3.4	32
52	XCQ: A queriable XML compression system. Knowledge and Information Systems, 2006, 10, 421-452.	2.1	46
53	A stochastic model for the evolution of the Web allowing link deletion. ACM Transactions on Internet Technology, 2006, 6, 117-130.	3.0	10
54	A. Spink and B. J. Jansenâ€· Web Search: Public Searching of the Web. Information Science & Knowledge Management, Vol. 6. Kluwer Academic Publishers (2004). ISBN 1-4020-2268-9. â‚¬100. 199 pp. Hardcover.. Computer Journal, 2006, 49, 128-129.	1.5	0

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55	A stochastic evolutionary model exhibiting power-law behaviour with an exponential cutoff. Physica A: Statistical Mechanics and Its Applications, 2005, 355, 641-656.	1.2	24
56	Associating search and navigation behavior through log analysis. Journal of the Association for Information Science and Technology, 2005, 56, 913-934.	2.6	34
57	Comparing Move Choices of Chess Search Engines. ICGA Journal, 2005, 28, 67-76.	0.2	4
58	AN AVERAGE LINEAR TIME ALGORITHM FOR WEB USAGE MINING. International Journal of Information Technology and Decision Making, 2004, 03, 307-319.	2.3	15
59	Navigating the World Wide Web. , 2004, , 117-151.		6
60	Report on the 3rd web dynamics workshop, at WWW'2004. SIGMOD Record, 2004, 33, 91-95.	0.7	0
61	Why is the snowflake schema a good data warehouse design?. Information Systems, 2003, 28, 225-240.	2.4	100
62	Computing the Entropy of User Navigation in the Web. International Journal of Information Technology and Decision Making, 2003, 02, 459-476.	2.3	32
63	A TWO-PLAYER GAME OF LIFE. International Journal of Modern Physics C, 2003, 14, 195-201.	0.8	4
64	Kemeny's Constant and the Random Surfer. American Mathematical Monthly, 2002, 109, 741-745.	0.2	85
65	A stochastic model for the evolution of the Web. Computer Networks, 2002, 39, 277-287.	3.2	47
66	Zipf's Law for Web Surfers. Knowledge and Information Systems, 2001, 3, 120-129.	2.1	43
67	Web dynamics. Software Focus, 2001, 2, 60-67.	0.3	12
68	Can navigational assistance improve search experience? A user study. First Monday, 2001, 6, .	0.6	8
69	A fine grained heuristic to capture web navigation patterns. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2000, 2, 40-50.	3.2	35
70	On the expressive power of the relational algebra with partially ordered domains. International Journal of Computer Mathematics, 2000, 74, 53-62.	1.0	5
71	Restructuring Partitioned Normal Form Relations without Information Loss. SIAM Journal on Computing, 2000, 29, 1550-1567.	0.8	9
72	Navigation in Hypertext Is Easy Only Sometimes. SIAM Journal on Computing, 2000, 29, 728-760.	0.8	13

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73	Data Mining of User Navigation Patterns. Lecture Notes in Computer Science, 2000, , 92-112.	1.0	147
74	Database design for incomplete relations. ACM Transactions on Database Systems, 1999, 24, 80-126.	1.5	28
75	How to prevent interaction of functional and inclusion dependencies. Information Processing Letters, 1999, 71, 115-125.	0.4	10
76	A probabilistic approach to navigation in Hypertext. Information Sciences, 1999, 114, 165-186.	4.0	25
77	Null Inclusion Dependencies in Relational Databases. Information and Computation, 1997, 136, 67-108.	0.5	23
78	The additivity problem for functional dependencies in incomplete relations. Acta Informatica, 1997, 34, 135-149.	0.5	9
79	CATEGORISATION OF COMPUTABLE DATABASE QUERIES. Fundamenta Informaticae, 1996, 27, 319-348.	0.3	0
80	A Partial Analysis of Minimaxing Game Trees with Random Leaf Values. ICGA Journal, 1995, 18, 20-33.	0.2	0
81	A Correspondence Between Variable Relations And Three-Valued Propositional Logic. International Journal of Computer Mathematics, 1995, 55, 29-38.	1.0	5
82	The nested universal relation data model. Journal of Computer and System Sciences, 1994, 49, 683-717.	0.9	15
83	A MODAL LOGIC FORMALISM FOR DISTRIBUTED AND PARALLEL KNOWLEDGE BASES. International Journal of Parallel, Emergent and Distributed Systems, 1993, 1, 11-27.	0.4	1
84	Implementation of a graph-based data model for complex objects. SIGMOD Record, 1993, 22, 26-31.	0.7	4
85	â€˜Slick Systemsâ€™ and â€˜Happy Hackersâ€™: experience with group projects at UCL. Software Engineering Journal, 1993, 8, 132.	0.7	3
86	A Fully Precise Null Extended Nested Relational Algebra. Fundamenta Informaticae, 1993, 19, 303-342.	0.3	6
87	Inferring null join dependencies in relational databases. BIT Numerical Mathematics, 1992, 32, 413-429.	1.0	6
88	A domain theoretic characterisation of the universal relation. International Journal of Computer Mathematics, 1991, 40, 69-74.	1.0	4