Brian D Davison

List of Publications by Year
in descending order

111 papers	3,717 citations	840776 11 h-index	501196 28 g-index
114 all docs	114 docs citations	114 times ranked	2531 citing authors

#	Article	IF	Citations
1	Empirical study of topic modeling in Twitter. , 2010, , .		697
2	Predicting popular messages in Twitter. , 2011, , .		377
3	Web page classification. ACM Computing Surveys, 2009, 41, 1-31.	23.0	324
4	Topical locality in the Web. , 2000, , .		173
5	Identifying link farm spam pages. , 2005, , .		156
6	Resilience metrics and measurement methods for transportation infrastructure: the state of the art. Sustainable and Resilient Infrastructure, 2020, 5, 168-199.	2.8	148
7	Applications of artificial intelligence for disaster management. Natural Hazards, 2020, 103, 2631-2689.	3.4	138
8	Co-factorization machines. , 2013, , .		127
9	Topical TrustRank. , 2006, , .		101
10	Topical link analysis for web search. , 2006, , .		78
11	Adversarial Web Search. Foundations and Trends in Information Retrieval, 2010, 4, 377-486.	6.8	67
12	Predicting web actions from HTML content. , 2002, , .		63
13	A classification-based approach to question answering in discussion boards. , 2009, , .		63
14	Learning to personalize. Communications of the ACM, 2000, 43, 102-106.	4.5	62
15	Learning to rank for freshness and relevance. , 2011, , .		51
16	Detecting semantic cloaking on the web. , 2006, , .		50
17	Structural link analysis and prediction in microblogs. , 2011, , .		46
18	Learning to rank social update streams. , 2012, , .		45

#	Article	IF	Citations
19	Knowing a web page by the company it keeps. , 2006, , .		42
20	Venue Recommendation: Submitting Your Paper with Style. , 2012, , .		40
21	Freshness matters. , 2010, , .		39
22	A probabilistic model for personalized tag prediction. , 2010, , .		34
23	Tracking trends. , 2011, , .		33
24	Table Search Using a Deep Contextualized Language Model. , 2020, , .		32
25	Looking into the past to better classify web spam. , 2009, , .		31
26	Performance comparison of different multicast routing strategies in disruption tolerant networks. Computer Communications, 2009, 32, 1731-1741.	5.1	30
27	Link formation analysis in microblogs. , 2011, , .		27
28	Learning Web Request Patterns. , 2004, , 435-459.		27
29	Learning Word Embeddings with Chi-Square Weights for Healthcare Tweet Classification. Applied Sciences (Switzerland), 2017, 7, 846.	2.5	24
30	Explorations in tag suggestion and query expansion. , 2008, , .		23
31	Classifiers without borders. , 2008, , .		22
32	Impact of ImageNet Model Selection on Domain Adaptation. , 2020, , .		21
33	Measuring and Predicting Search Engine Usersâ€™ Satisfaction. ACM Computing Surveys, 2017, 49, 1-35.	23.0	20
34	Connecting comments and tags. , 2013, , .		18
35	Improving IP Geolocation using Query Logs. , 2016, , .		18
36	Compact Feedback for MIMO-OFDM Systems over Frequency Selective Channels. , 0, , .		16

#	ARTICLE	IF	CITATIONS
37	Enhanced disruption and fault tolerant network architecture for bundle delivery (EDIFY). , 2005, , .		15
38	Exploiting session-like behaviors in tag prediction. , 2011, , .		15
39	Generating Schema Labels through Dataset Content Analysis. , 2018, , .		15
40	Neural ranking models for document retrieval. Information Retrieval, 2021, 24, 400-444.	2.0	15
41	Mining Anchor Text Trends for Retrieval. Lecture Notes in Computer Science, 2010, , 127-139.	1.3	14
42	Overview of Interdependency Models of Critical Infrastructure for Resilience Assessment. Natural Hazards Review, 2022, 23, .	1.5	14
43	Measuring similarity to detect qualified links. , 2007, , .		13
44	Identification of Critical Values in Latent Semantic Indexing. Studies in Computational Intelligence, 0, , 333-346.	0.9	12
45	Improved Table Retrieval Using Multiple Context Embeddings for Attributes. , 2019, , .		12
46	Policy-based disaster recovery planning model for interdependent infrastructure systems under uncertainty. Structure and Infrastructure Engineering, 2021, 17, 555-578.	3.7	12
47	Effect of global parallelism on the behavior of a steady state genetic algorithm for design optimization. , 0, , .		11
48	Undue influence. , 2006, , .		11
49	Incorporating Participant Reputation in Community-Driven Question Answering Systems. , 2009, , .		11
50	Recommendation in Academia: A joint multi-relational model. , 2014, , .		11
51	Model for Estimating the Impact of Interdependencies on System Recovery. Journal of Infrastructure Systems, 2020, 26, .	1.8	11
52	Leveraging Schema Labels to Enhance Dataset Search. Lecture Notes in Computer Science, 2020, , 267-280.	1.3	11
53	Toward a unification of text and link analysis. , 2003, , .		10
54	Winnowing wheat from the chaff. , 2007, , .		10

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55	Domain adaptation for object recognition using subspace sampling demons. Multimedia Tools and Applications, 2021, 80, 23255-23274.	3.9	10
56	IP Geolocation through Reverse DNS. ACM Transactions on Internet Technology, 2022, 22, 1-29.	4.4	10
57	SHIM. , 2007, , .		9
58	Introduction to special section on adversarial issues in Web search. ACM Transactions on the Web, 2008, 2, 1-2.	2.5	9
59	Learning class-specific word embeddings. Journal of Supercomputing, 2020, 76, 8265-8292.	3.6	9
60	Scholar2vec: Vector Representation of Scholars for Lifetime Collaborator Prediction. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-19.	3.5	9
61	StruBERT: Structure-aware BERT for Table Search and Matching. , 2022, , .		9
62	Filtering microblogging messages for social tv. , 2011, , .		8
63	Exploiting contextual factors for click modeling in sponsored search. , 2014, , .		8
64	IP Geolocation Using Traceroute Location Propagation and IP Range Location Interpolation. , 2021, , .		8
65	Robust document image understanding technologies. , 2004, , .		7
66	Adversarial Reinforcement Learning for Unsupervised Domain Adaptation. , 2021, , .		7
67	Award prediction with temporal citation network analysis. , 2011, , .		6
68	Hierarchy evolution for improved classification. , 2011, , .		6
69	Distinguishing venues by writing styles. , 2012, , .		6
70	Academic network analysis. , 2013, , .		6
71	Estimating ad group performance in sponsored search. , 2014, , .		6
72	Face Mask Detection on Real-World Webcam Images. , 2021, , .		6

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73	Review of Web caching and replication by Michael Rabinovich and Oliver Spatscheck. Addison Wesley 2002.. SIGMOD Record, 2003, 32, 107-108.	1.2	6
74	A Hybrid Deep Model for Learning to Rank Data Tables. , 2020, , .		6
75	A cautious surfer for PageRank. , 2007, , .		5
76	Topicâ€sensitive search engine evaluation. Online Information Review, 2011, 35, 893-908.	3.2	5
77	Deep Spherical Manifold Gaussian Kernel for Unsupervised Domain Adaptation. , 2021, , .		5
78	Separate and inequal. , 2008, , .		4
79	Class-Specific Word Embedding through Linear Compositionality. , 2018, , .		4
80	Adversarial information retrieval on the web (AIRWeb 2006). ACM SIGIR Forum, 2006, 40, 27-30.	0.5	4
81	An adaptive UNIX command-line assistant. , 1997, , .		3
82	Ranking by community relevance. , 2007, , .		3
83	Bridging link and query intent to enhance web search. , 2011, , .		3
84	Writing with Style: Venue Classification. , 2012, , .		3
85	Efficient Pre-trained Features and Recurrent Pseudo-Labeling in Unsupervised Domain Adaptation. , 2021, , .		3
86	WTR: A Test Collection for Web Table Retrieval. , 2021, , .		3
87	Adversarial Continuous Learning in Unsupervised Domain Adaptation. Lecture Notes in Computer Science, 2021, , 672-687.	1.3	3
88	MGNETS. , 2021, , .		3
89	Combining agoric and genetic methods in stochastic design. Nanotechnology, 1998, 9, 274-284.	2.6	2
90	The potential of the metasearch engine. Proceedings of the American Society for Information Science and Technology, 2005, 41, 393-402.	0.2	2

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91	Hybrid semantic tagging for information extraction. , 2005, , .		2
92	Capturing page freshness for web search. , 2010, , .		2
93	Multi-objective optimization in learning to rank. , 2011, , .		2
94	Enhancing web search with entity intent. , 2011, , .		2
95	Distributed Reverse DNS Geolocation. , 2018, , .		2
96	Adversarial Regression Learning for Bone Age Estimation. Lecture Notes in Computer Science, 2021, , 742-754.	1.3	2
97	Next Generation Agility: Smart Business and Smart Communities. , 2009, , 49-55.		2
98	IP Geolocation through Geographic Clicks. ACM Transactions on Spatial Algorithms and Systems, 2022, 8, 1-22.	1.4	2
99	Quantitative Models for Interdependent Functionality and Recovery of Critical Infrastructure Systems. , 2022, , 127-229.		2
100	Vetting the links of the web. , 2009, , .		1
101	Choosing your own adventure. , 2010, , .		1
102	ShapeNet: Age-focused Landmark Shape Prediction with Regressive CNN. , 2019, , .		1
103	Enhanced Separable Disentanglement for Unsupervised Domain Adaptation. , 2021, , .		1
104	Relational Graph Embeddings for Table Retrieval. , 2020, , .		1
105	Lessons from a Gnutella-web gateway. , 2004, , .		0
106	Connecting P2P to the web. Internet Research, 2008, 18, 336-356.	4.9	0
107	Numeric-Attribute-Powered Sentence Embedding. , 2018, , .		0
108	Correlated Adversarial Joint Discrepancy Adaptation Network. , 2021, , .		0

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109	Counting ancestors to estimate authority. , 2009, , .		0
110	Mining Neighbors' Topicality to Better Control Authority Flow. Lecture Notes in Computer Science, 2010, , 653-657.	1.3	0
111	An Exploratory Interface for Dataset Repositories Using Cell-Centric Indexing. , 2020, , .		0