

Carlos Castillo

List of Publications by Year in descending order

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Version: 2024-02-01

138
papers

10,460
citations

257450

24
h-index

265206

42
g-index

142
all docs

142
docs citations

142
times ranked

5948
citing authors

#	ARTICLE	IF	CITATIONS
1	Information credibility on twitter. , 2011, , .		1,511
2	Finding high-quality content in social media. , 2008, , .		760
3	Twitter under crisis. , 2010, , .		662
4	Processing Social Media Messages in Mass Emergency. ACM Computing Surveys, 2015, 47, 1-38.	23.0	498
5	Social Data: Biases, Methodological Pitfalls, and Ethical Boundaries. Frontiers in Big Data, 2019, 2, 13.	2.9	306
6	AIDR. , 2014, , .		299
7	Predicting information credibility in time-sensitive social media. Internet Research, 2013, 23, 560-588.	4.9	259
8	FA*IR. , 2017, , .		252
9	What to Expect When the Unexpected Happens. , 2015, , .		232
10	Efficient semi-streaming algorithms for local triangle counting in massive graphs. , 2008, , .		231
11	The query-flow graph. , 2008, , .		229
12	Online team formation in social networks. , 2012, , .		228
13	Social Network Analysis and Mining for Business Applications. ACM Transactions on Intelligent Systems and Technology, 2011, 2, 1-37.	4.5	227
14	Algorithmic Bias. , 2016, , .		224
15	TweetCred: Real-Time Credibility Assessment of Content on Twitter. Lecture Notes in Computer Science, 2014, , 228-243.	1.3	217
16	Know your neighbors. , 2007, , .		202
17	Information and Influence Propagation in Social Networks. Synthesis Lectures on Data Management, 2013, 5, 1-177.	0.6	189
18	Fast shortest path distance estimation in large networks. , 2009, , .		188

#	ARTICLE	IF	CITATIONS
19	Correlating financial time series with micro-blogging activity. , 2012, , .		170
20	A reference collection for web spam. ACM SIGIR Forum, 2006, 40, 11-24.	0.5	150
21	Practical extraction of disaster-relevant information from social media. , 2013, , .		149
22	Combining Human Computing and Machine Learning to Make Sense of Big (Aerial) Data for Disaster Response. Big Data, 2016, 4, 47-59.	3.4	118
23	Sparsification of influence networks. , 2011, , .		116
24	Characterizing the life cycle of online news stories using social media reactions. , 2014, , .		111
25	The role of information diffusion in the evolution of social networks. , 2013, , .		109
26	Query suggestions using query-flow graphs. , 2009, , .		99
27	The demographics of web search. , 2010, , .		95
28	Power in unity. , 2010, , .		91
29	Crawling a country. , 2005, , .		90
30	Temporal Analysis of the Wikigraph. , 2006, , .		80
31	Link analysis for Web spam detection. ACM Transactions on the Web, 2008, 2, 1-42.	2.5	76
32	Reducing Disparate Exposure in Ranking: A Learning To Rank Approach. , 2020, , .		76
33	Effective web crawling. ACM SIGIR Forum, 2005, 39, 55-56.	0.5	71
34	Challenges on Distributed Web Retrieval. , 2007, , .		69
35	Emergency-relief coordination on social media: Automatically matching resource requests and offers. First Monday, 0, , .	0.6	69
36	Adversarial Web Search. Foundations and Trends in Information Retrieval, 2010, 4, 377-486.	6.8	67

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37	Characterization of national Web domains. ACM Transactions on Internet Technology, 2007, 7, 9.	4.4	65
38	Efficient algorithms for large-scale local triangle counting. ACM Transactions on Knowledge Discovery From Data, 2010, 4, 1-28.	3.5	58
39	Generalizing PageRank. , 2006, , .		56
40	An optimization framework for query recommendation. , 2010, , .		56
41	Web spam identification through content and hyperlinks. , 2008, , .		55
42	Social media news communities. , 2013, , .		55
43	Integrating Social Media Communications into the Rapid Assessment of Sudden Onset Disasters. Lecture Notes in Computer Science, 2014, , 444-461.	1.3	48
44	Estimating Number of Citations Using Author Reputation. , 2007, , 107-117.		48
45	Processing Social Media Messages in Mass Emergency. , 2018, , .		45
46	Fairness and Transparency in Ranking. ACM SIGIR Forum, 2019, 52, 64-71.	0.5	44
47	From "Dango" to "Japanese Cakes": Query Reformulation Models and Patterns. , 2009, , .		43
48	Graph regularization methods for Web spam detection. Machine Learning, 2010, 81, 207-225.	5.4	43
49	Social Data: Biases, Methodological Pitfalls, and Ethical Boundaries. SSRN Electronic Journal, 0, , .	0.4	43
50	Query similarity by projecting the query-flow graph. , 2010, , .		41
51	Emotions under Discussion: Gender, Status and Communication in Online Collaboration. PLoS ONE, 2014, 9, e104880.	2.5	41
52	Viscous democracy for social networks. Communications of the ACM, 2011, 54, 129-137.	4.5	39
53	Web Structure, Dynamics and Page Quality. Lecture Notes in Computer Science, 2002, , 117-130.	1.3	39
54	Why Machine Learning May Lead to Unfairness. , 2019, , .		38

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55	Improving search engine interfaces for blind users: a case study. Universal Access in the Information Society, 2006, 5, 23-40.	3.0	36
56	The Meme Ranking Problem: Maximizing Microblogging Virality. , 2010, , .		36
57	Detection of Disaster-Affected Cultural Heritage Sites from Social Media Images Using Deep Learning Techniques. Journal on Computing and Cultural Heritage, 2020, 13, 1-31.	2.1	30
58	Scheduling algorithms for web crawling. , 0, , .		29
59	New metrics for reputation management in P2P networks. , 2007, , .		28
60	Finding news curators in twitter. , 2013, , .		28
61	Query reformulation mining: models, patterns, and applications. Information Retrieval, 2011, 14, 257-289.	2.0	27
62	Overview of the Special Issue on Trust and Veracity of Information in Social Media. ACM Transactions on Information Systems, 2016, 34, 1-5.	4.9	26
63	The distribution of pageRank follows a power-law only for particular values of the damping factor. , 2006, , .		25
64	Crawling the Infinite Web: Five Levels Are Enough. Lecture Notes in Computer Science, 2004, , 156-167.	1.3	24
65	Emotions and dialogue in a peer-production community. , 2012, , .		23
66	Evaluating causes of algorithmic bias in juvenile criminal recidivism. Artificial Intelligence and Law, 2021, 29, 111-147.	4.0	23
67	Democratizing mobile app development for disaster management. , 2013, , .		22
68	Information verification during natural disasters. , 2013, , .		22
69	Composite Retrieval of Diverse and Complementary Bundles. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2662-2675.	5.7	22
70	Fair Top-k Ranking with multiple protected groups. Information Processing and Management, 2022, 59, 102707.	8.6	22
71	Topical query decomposition. , 2008, , .		21
72	The Case for Readability of Crisis Communications in Social Media. , 2015, , .		21

#	ARTICLE	IF	CITATIONS
73	Social-EOC: Serviceability Model to Rank Social Media Requests for Emergency Operation Centers. , 2018, , .		21
74	Aging effects on query flow graphs for query suggestion. , 2009, , .		20
75	Towards a Data-driven Approach to Identify Crisis-Related Topics in Social Media Streams. , 2015, , .		20
76	A computationally efficient multi-modal classification approach of disaster-related Twitter images. , 2019, , .		18
77	Evaluating a modified Google user interface via screen reader. Universal Access in the Information Society, 2008, 7, 155-175.	3.0	16
78	Voting in social networks. , 2009, , .		16
79	The Juxtaposed approximate PageRank method for robust PageRank approximation in a peer-to-peer web search network. VLDB Journal, 2008, 17, 291-313.	4.1	15
80	Storyâ€œfocused reading in online news and its potential for user engagement. Journal of the Association for Information Science and Technology, 2017, 68, 869-883.	2.9	15
81	Predicting the Success of Online Petitions Leveraging Multidimensional Time-Series. , 2017, , .		15
82	Meme ranking to maximize posts virality in microblogging platforms. Journal of Intelligent Information Systems, 2013, 40, 211-239.	3.9	14
83	Computing trusted authority scores in peer-to-peer web search networks. , 2007, , .		13
84	Dr. Searcher and Mr. Browser. , 2008, , .		13
85	Ranking and grouping social media requests for emergency services using serviceability model. Social Network Analysis and Mining, 2020, 10, 1.	2.8	13
86	Query-log mining for detecting spam. , 2008, , .		13
87	Generic Damping Functions for Propagating Importance in Link-Based Ranking. Internet Mathematics, 2006, 3, 445-478.	0.7	12
88	A Critical Review of Online Social Data. , 2018, , .		12
89	Auditing Algorithms. , 2020, , .		12
90	Algorithms for Hiring and Outsourcing in the Online Labor Market. , 2018, , .		11

#	ARTICLE	IF	CITATIONS
91	SciLens: Evaluating the Quality of Scientific News Articles Using Social Media and Scientific Literature Indicators. , 2019, , .		11
92	The Effects of Query Bursts on Web Search. , 2010, , .		10
93	Poisoning Attacks on Algorithmic Fairness. Lecture Notes in Computer Science, 2021, , 162-177.	1.3	10
94	The Geographical Life of Search. , 2009, , .		8
95	Fourth international workshop on adversarial information retrieval on the web (AIRWeb 2008). , 2008, , .		7
96	Taxonomy-driven lumping for sequence mining. Data Mining and Knowledge Discovery, 2009, 19, 227-244.	3.7	7
97	Efficient Document Filtering Using Vector Space Topic Expansion and Pattern-Mining. , 2017, , .		7
98	Affirmative action policies for top-k candidates selection. , 2020, , .		7
99	FairSearch: A Tool For Fairness in Ranked Search Results. , 2020, , .		7
100	Information Extraction from Webpages Based on DOM Distances. Lecture Notes in Computer Science, 2012, , 181-193.	1.3	7
101	Says who?. , 2013, , .		6
102	Complexity and algorithms for composite retrieval. , 2013, , .		6
103	Mobile Application Development for Crisis Data. Procedia Engineering, 2015, 107, 255-262.	1.2	6
104	A Robust Framework for Classifying Evolving Document Streams in an Expert-Machine-Crowd Setting. , 2016, , .		6
105	Ranking of Social Media Alerts with Workload Bounds in Emergency Operation Centers. , 2018, , .		6
106	Online matching of web content to closed captions in IntoNow. , 2013, , .		5
107	To Post or Not to Post. , 2018, , .		5
108	Testing google ionterfaces modified for the blind. , 2006, , .		4

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109	A data-driven sketch of Wikipedia editors. , 2012, , .		4
110	A Case Study of Anonymization of Medical Surveys. , 2017, , .		4
111	Scilens news platform. Proceedings of the VLDB Endowment, 2020, 13, 2969-2972.	3.8	4
112	Diversity in the Music Listening Experience: Insights from Focus Group Interviews. , 2022, , .		4
113	Relationship between web links and trade. , 2006, , .		3
114	Traffic prediction and discovery of news via news crowds. , 2013, , .		3
115	Volunteer-powered automatic classification of social media messages for public health in AIDR. , 2014, , .		3
116	Diversity by Design in Music Recommender Systems. Transactions of the International Society for Music Information Retrieval, 2021, 4, 114-126.	1.5	3
117	A Memory-Efficient Strategy for Exploring the Web. , 2006, , .		2
118	A prototype of google interfaces modified for simplifying interaction for blind users. , 2006, , .		2
119	Investigating query bursts in a web search engine. Web Intelligence and Agent Systems, 2013, 11, 107-124.	0.4	2
120	FAST. , 2014, , .		2
121	Adversarial Information Retrieval on the Web (AIRWeb 2007). ACM SIGIR Forum, 2008, 42, 68-72.	0.5	2
122	Cable News Coverage and Online News Stories: A Large-Scale Comparison of Media Bias. SSRN Electronic Journal, 0, , .	0.4	2
123	Optimising topical query decomposition. , 2009, , .		1
124	Joint WICOW/AIRWeb workshop on web quality (WebQuality 2011). , 2011, , .		1
125	Ranking item features by mining online user-item interactions. , 2014, , .		1
126	Enabling Digital Health by Automatic Classification of Short Messages. , 2016, , .		1

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127	Algorithmic Bias in Rankings. , 2019, , .		1
128	Modeling human annotation errors to design bias-aware systems for social stream processing. , 2019, , .		1
129	Cross-Lingual Query-Based Summarization of Crisis-Related Social Media: An Abstractive Approach Using Transformers. , 2022, , .		1
130	Distinctive Features of the Argentinian Web. , 2007, , .		0
131	Report on the WebQuality 2012 workshop. ACM SIGIR Forum, 2012, 46, 107-110.	0.5	0
132	Mining search behavior and user-generated content. , 2012, , .		0
133	The 5th International Workshop on Social Web for Disaster Management(SWDM'18). , 2018, , .		0
134	Introduction to the Special Issue on AI for Disaster Management and Resilience. IEEE Intelligent Systems, 2019, 34, 3-5.	4.0	0
135	Taxonomy-Driven Lumping for Sequence Mining. Lecture Notes in Computer Science, 2009, , 29-29.	1.3	0
136	Report on the WebQuality 2014 Workshop. ACM SIGIR Forum, 2014, 48, 93-95.	0.5	0
137	The Fourth International Workshop on Social Web for Disaster Management (SWDM 2016). , 2016, , .		0
138	Distinctive Features of the Argentinian Web. , 2007, , .		0