Filippo Menczer

List of Publications by Year
in descending order

133 papers	13,528 citations	71102 41 h-index	60623 81 g-index
136 all docs	136 docs citations	136 times ranked	8036 citing authors

#	Article	IF	Citations
1	The science of fake news. Science, 2018, 359, 1094-1096.	12.6	2,198
2	The rise of social bots. Communications of the ACM, 2016, 59, 96-104.	4.5	1,263
3	Social phishing. Communications of the ACM, 2007, 50, 94-100.	4.5	965
4	The spread of low-credibility content by social bots. Nature Communications, 2018, 9, 4787.	12.8	554
5	BotOrNot. , 2016, , .		510
6	Virality Prediction and Community Structure in Social Networks. Scientific Reports, 2013, 3, 2522.	3.3	416
7	Truthy. , 2011, , .		329
8	Predicting the Political Alignment of Twitter Users. , 2011, , .		295
9	The DARPA Twitter Bot Challenge. Computer, 2016, 49, 38-46.	1.1	277
10	Friendship prediction and homophily in social media. ACM Transactions on the Web, 2012, 6, 1-33.	2.5	259
11	Arming the public with artificial intelligence to counter social bots. Human Behavior and Emerging Technologies, 2019, 1, 48-61.	4.4	238
12	Computational Fact Checking from Knowledge Networks. PLoS ONE, 2015, 10, e0128193.	2.5	228
13	Hoaxy. , 2016, , .		221
14	Topical web crawlers. ACM Transactions on Internet Technology, 2004, 4, 378-419.	4.4	201
15	Partisan asymmetries in online political activity. EPJ Data Science, 2012, 1, .	2.8	193
16	Characterizing and Modeling the Dynamics of Online Popularity. Physical Review Letters, 2010, 105, 158701.	7.8	192
17	Feature selection in unsupervised learning via evolutionary search. , 2000, , .		190
18	Evaluating similarity measures for emergent semantics of social tagging. , 2009, , .		186

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19	Anatomy of an online misinformation network. PLoS ONE, 2018, 13, e0196087.	2.5	169
20	Scalable and Generalizable Social Bot Detection through Data Selection. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 1096-1103.	4.9	163
21	The Digital Evolution of Occupy Wall Street. PLoS ONE, 2013, 8, e64679.	2.5	132
22	Social spam detection. , 2009, , .		125
23	Evaluating topic-driven web crawlers. , 2001, , .		118
24	Customer Targeting: A Neural Network Approach Guided by Genetic Algorithms. Management Science, 2005, 51, 264-276.	4.1	115
25	Measuring online social bubbles. PeerJ Computer Science, 0, 1, e38.	4.5	113
26	Folks in Folksonomies. , 2010, , .		112
27	Crawling the Web. , 2004, , 153-177.		111
28	Adaptive Retrieval Agents: Internalizing Local Context and Scaling up to the Web. Machine Learning, 2000, 39, 203-242.	5.4	109
29	Scale-Free Network Growth by Ranking. Physical Review Letters, 2006, 96, 218701.	7.8	109
30	The role of information diffusion in the evolution of social networks. , 2013, , .		109
31	The Geospatial Characteristics of a Social Movement Communication Network. PLoS ONE, 2013, 8, e55957.	2.5	105
32	The COVID-19 Infodemic: Twitter versus Facebook. Big Data and Society, 2021, 8, 205395172110138.	4.5	105
33	Limited individual attention and online virality of low-quality information. Nature Human Behaviour, 2017, 1, .	12.0	96
34	Detection of Novel Social Bots by Ensembles of Specialized Classifiers. , 2020, , .		95
35	Online misinformation is linked to early COVID-19 vaccination hesitancy and refusal. Scientific Reports, 2022, 12, 5966.	3.3	94
36	Women through the glass ceiling: gender asymmetries in Wikipedia. EPJ Data Science, 2016, 5, .	2.8	91

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37	Evolutionary model selection in unsupervised learning. Intelligent Data Analysis, 2002, 6, 531-556.	0.9	90
38	How algorithmic popularity bias hinders or promotes quality. Scientific Reports, 2018, 8, 15951.	3.3	85
39	Growing and navigating the small world Web by local content. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14014-14019.	7.1	82
40	A General Evaluation Framework for Topical Crawlers. Information Retrieval, 2005, 8, 417-447.	2.0	82
41	Universality of scholarly impact metrics. Journal of Informetrics, 2013, 7, 924-932.	2.9	82
42	Early detection of promoted campaigns on social media. EPJ Data Science, 2017, 6, .	2.8	82
43	Approximating PageRank from In-Degree. Lecture Notes in Computer Science, 2006, , 59-71.	1.3	82
44	Social influence and unfollowing accelerate the emergence of echo chambers. Journal of Computational Social Science, 2021, 4, 381-402.	2.4	80
45	The production of information in the attention economy. Scientific Reports, 2015, 5, 9452.	3.3	77
46	Modeling Statistical Properties of Written Text. PLoS ONE, 2009, 4, e5372.	2.5	77
47	Complementing search engines with online web mining agents. Decision Support Systems, 2003, 35, 195-212.	5.9	67
48	Evolution of online user behavior during a social upheaval. , 2014, , .		67
49	Finding Streams in Knowledge Graphs to Support Fact Checking. , 2017, , .		65
50	Evolution of document networks. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5261-5265.	7.1	64
51	Social Dynamics of Science. Scientific Reports, 2013, 3, 1069.	3.3	64
52	Lexical and semantic clustering by Web links. Journal of the Association for Information Science and Technology, 2004, 55, 1261-1269.	2.6	61
53	Algorithmic Computation and Approximation of Semantic Similarity. World Wide Web, 2006, 9, 431-456.	4.0	57
54	Ranking web sites with real user traffic. , 2008, , .		56

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55	Quantifying Biases in Online Information Exposure. Journal of the Association for Information Science and Technology, 2019, 70, 218-229.	2.9	50
56	Social network structure, segregation, and equality in a labor market with referral hiring. Journal of Economic Behavior and Organization, 2008, 66, 514-528.	2.0	48
57	Ultra High-Dimensional Nonlinear Feature Selection for Big Biological Data. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1352-1365.	5.7	48
58	Efficient and Scalable Pareto Optimization by Evolutionary Local Selection Algorithms. Evolutionary Computation, 2000, 8, 223-247.	3.0	47
59	From Complex Environments to Complex Behaviors. Adaptive Behavior, 1996, 4, 317-363.	1.9	46
60	Topical Crawling for Business Intelligence. Lecture Notes in Computer Science, 2003, , 233-244.	1.3	43
61	Clustering memes in social media. , 2013, , .		42
62	Topicality and Impact in Social Media: Diverse Messages, Focused Messengers. PLoS ONE, 2015, 10, e0118410.	2.5	42
63	First Women, Second Sex. , 2015, , .		42
64	Scalable Web Search by Adaptive Online Agents: An InfoSpiders Case Study. , 1999, , 323-347.		40
65	Exposure to social engagement metrics increases vulnerability to misinformation. , 2020, , .		39
66	Adaptive information agents in distributed textual environments. , 1998, , .		38
67	Traveling trends. , 2013, , .		38
68	MySpiders: Evolve Your Own Intelligent Web Crawlers. Autonomous Agents and Multi-Agent Systems, 2002, 5, 221-229.	2.1	36
69	Co-evolution of movement behaviours by tropical pelagic predatory fishes in response to prey environment: a simulation model. Ecological Modelling, 2000, 134, 325-341.	2.5	33
70	Evidence of hyperplanes in the genetic learning of neural networks. Biological Cybernetics, 1992, 66, 283-289.	1.3	31
71	Maturation and the Evolution of Imitative Learning in Artificial Organisms. Adaptive Behavior, 1995, 4, 29-50.	1.9	31
72	On the Influence of Social Bots in Online Protests. Lecture Notes in Computer Science, 2016, , 269-278.	1.3	31

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73	OSoMe: the IUNI observatory on social media. PeerJ Computer Science, 0, 2, e87.	4.5	31
74	Scholarometer: A Social Framework for Analyzing Impact across Disciplines. PLoS ONE, 2012, 7, e43235.	2.5	30
75	Correlated topologies in citation networks and the Web. European Physical Journal B, 2004, 38, 211-221.	1.5	28
76	Unveiling Coordinated Groups Behind White Helmets Disinformation. , 2020, , .		28
77	Neutral bots probe political bias on social media. Nature Communications, 2021, 12, 5580.	12.8	26
78	Asymmetrical perceptions of partisan political bots. New Media and Society, 2021, 23, 3016-3037.	5.0	23
79	Quality versus quantity in scientific impact. Journal of Informetrics, 2015, 9, 800-808.	2.9	22
80	Research Challenges of Digital Misinformation: Toward a Trustworthy Web. AI Magazine, 2018, 39, 65-74.	1.6	22
81	Detecting Climate Teleconnections With Granger Causality. Geophysical Research Letters, 2021, 48, e2021GL094707.	4.0	22
82	On Local Estimations of PageRank: A Mean Field Approach. Internet Mathematics, 2007, 4, 245-266.	0.7	21
83	The Spread of Misinformation in Social Media. , 2016, , .		20
84	What's in a session. , 2009, , .		19
85	Traffic in Social Media II: Modeling Bursty Popularity. , 2010, , .		19
86	Combining link and content analysis to estimate semantic similarity. , 2004, , .		18
87	Clustering memes in social media streams. Social Network Analysis and Mining, 2014, 4, 1.	2.8	18
88	Dynamic extraction topic descriptors and discriminators. , 2004, , .		17
89	A scalable, collaborative similarity measure for social annotation systems. , 2009, , .		17
90	Right and left, partisanship predicts (asymmetric) vulnerability to misinformation. , 2021, , .		17

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91	Feature Engineering for Social Bot Detection. , 2018, , 311-334.		17
92	Recombination and unsupervised learning: effects of crossover in the genetic optimization of neural networks. Network: Computation in Neural Systems, 1992, 3, 423-442.	3.6	16
93	Ambiguous author query detection using crowdsourced digital library annotations. Information Processing and Management, 2013, 49, 454-464.	8.6	16
94	Bot Electioneering Volume: VisualizingÂSocialÂBotÂActivityÂDuringÂElections. , 2019, , .		16
95	Fakey. Proceedings of the ACM on Human-Computer Interaction, 2021, 5, 1-27.	3.3	16
96	Attention on Weak Ties in Social and Communication Networks. Computational Social Sciences, 2018, , 213-228.	0.4	14
97	Contextual tag inference. ACM Transactions on Multimedia Computing, Communications and Applications, 2011, 7S, 1-18.	4.3	13
98	Political audience diversity and news reliability in algorithmic ranking. Nature Human Behaviour, 2022, 6, 495-505.	12.0	13
99	Massive Multi-agent Data-Driven Simulations of the GitHub Ecosystem. Lecture Notes in Computer Science, 2019, , 3-15.	1.3	11
100	Efficient assembly of social semantic networks. , 2008, , .		10
101	Visualizing social links in exploratory search. , 2008, , .		9
102	Properties and Evolution of Internet Traffic Networks from Anonymized Flow Data. ACM Transactions on Internet Technology, 2011, 10, 1-23.	4.4	9
103	Fast filtering and animation of large dynamic networks. EPJ Data Science, 2014, 3, .	2.8	9
104	A Role for Network Science in Social Norms Intervention. Procedia Computer Science, 2015, 51, 2217-2226.	2.0	9
105	BotSlayer: real-time detection of bot amplification on Twitter. Journal of Open Source Software, 2019, 4, 1706.	4.6	9
106	GiveALink tagging game. , 2010, , .		8
107	Mining for Topics to Suggest Knowledge Model Extensions. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-30.	3.5	8
108	Search Engine-Crawler Symbiosis: Adapting to Community Interests. Lecture Notes in Computer Science, 2003, , 221-232.	1.3	8

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109	Agents, bookmarks and clicks. , 2010, , .		7
110	Design of social games for collecting reliable semantic annotations. , 2011, , .		7
111	ALife Meets Web: Lessons Learned. Lecture Notes in Computer Science, 1998, , 156-167.	1.3	7
112	Modeling Traffic on the Web Graph. Lecture Notes in Computer Science, 2010, , 50-61.	1.3	6
113	On the challenges of predicting microscopic dynamics of online conversations. Applied Network Science, 2021, 6, .	1.5	6
114	The chain model for social tagging game design. , 2011, , .		5
115	Scalable Detection of Viral Memes from Diffusion Patterns. Computational Social Sciences, 2018, , 197-211.	0.4	5
116	Supporting a Social Media Observatory with Customizable Index Structures: Architecture and Performance. , 2014, , 401-427.		5
117	Recombination and unsupervised learning: effects of crossover in the genetic optimization of neural networks. Network: Computation in Neural Systems, 1992, 3, 423-442.	3.6	5
118	Web Crawling. , 2011, , 311-362.		5
119	How Twitter data sampling biases U.S. voter behavior characterizations. PeerJ Computer Science, 0, 8, e1025.	4.5	5
120	Incentives for social annotation. , 2009, , .		4
121	Recency predicts bursts in the evolution of author citations. Quantitative Science Studies, 2020, 1, 1298-1308.	3.3	4
122	Adaptive query routing in peer web search. , 2005, , .		3
123	Intelligent Peer Networks for Collaborative Web Search. AI Magazine, 2008, 29, 35.	1.6	2
124	Connecting dream networks across cultures. , 2014, , .		2
125	Reports of the Workshops Held at the 2017 International AAAI Conference on Web and Social Media. AI Magazine, 2017, 38, 93-98.	1.6	2
126	OAMulator. Journal on Educational Resources in Computing, 2001, 1, 18-30.	1.3	1

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127	Scholarometer. , 2014, , .		1
128	Les ressorts de la désinformation. Pourlascience Fr, 2021, N° 523 - mai, 34-41.	0.0	1
129	Introduction to the special topic section on mining Web resources for enhancing information retrieval. Journal of the Association for Information Science and Technology, 2007, 58, 1791-1792.	2.6	0
130	On the use of sampling statistics to advance bibliometrics. Journal of Informetrics, 2014, 8, 419-420.	2.9	0
131	Web Forms and Untraceable DDoS Attacks. , 2010, , 77-95.		0
132	Computational Analysis of Collective Behaviors via Agent-Based Modeling. , 2013, , 761-767.		0
133	Notre cerveau, proie des «bots». , 2021, N° 138, 74-81.		0