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	Political audience diversity and news reliability in algorithmic ranking. Nature Human Behaviour, 2022, 6, 495-505.	12.0	13
2	Online misinformation is linked to early COVID-19 vaccination hesitancy and refusal. Scientific Reports, 2022, 12, 5966.	3.3	94
3	Asymmetrical perceptions of partisan political bots. New Media and Society, 2021, 23, 3016-3037.	5.0	23
4	Social influence and unfollowing accelerate the emergence of echo chambers. Journal of Computational Social Science, 2021, 4, 381-402.	2.4	80
5	On the challenges of predicting microscopic dynamics of online conversations. Applied Network Science, 2021, 6, .	1.5	6
6	Right and left, partisanship predicts (asymmetric) vulnerability to misinformation. , 2021, , .		17
7	Fakey. Proceedings of the ACM on Human-Computer Interaction, 2021, 5, 1-27.	3.3	16
8	Detecting Climate Teleconnections With Granger Causality. Geophysical Research Letters, 2021, 48, e2021GL094707.	4.0	22
9	Neutral bots probe political bias on social media. Nature Communications, 2021, 12, 5580.	12.8	26
10	The COVID-19 Infodemic: Twitter versus Facebook. Big Data and Society, 2021, 8, 205395172110138.	4.5	105
11	Les ressorts de la dÃ©sinformation. Pourlascience Fr, 2021, NÂ° 523 - mai, 34-41.	0.0	1
12	Notre cerveau, proie des Â«ÂbotsÂÂ». , 2021, NÂ° 138, 74-81.		0
13	Recency predicts bursts in the evolution of author citations. Quantitative Science Studies, 2020, 1, 1298-1308.	3.3	4
14	Scalable and Generalizable Social Bot Detection through Data Selection. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 1096-1103.	4.9	163
15	Detection of Novel Social Bots by Ensembles of Specialized Classifiers. , 2020, , .		95
16	Unveiling Coordinated Groups Behind White Helmets Disinformation. , 2020, , .		28
17	Exposure to social engagement metrics increases vulnerability to misinformation. , 2020, , .		39
18	Bot Electioneering Volume: VisualizingÂSocialÂBotÂActivityÂDuringÂElections. , 2019, , .		16

#	Article	IF	Citations
19	Massive Multi-agent Data-Driven Simulations of the GitHub Ecosystem. Lecture Notes in Computer Science, 2019, , 3-15.	1.3	11
20	Arming the public with artificial intelligence to counter social bots. Human Behavior and Emerging Technologies, 2019, 1, 48-61.	4.4	238
21	Quantifying Biases in Online Information Exposure. Journal of the Association for Information Science and Technology, 2019, 70, 218-229.	2.9	50
22	BotSlayer: real-time detection of bot amplification on Twitter. Journal of Open Source Software, 2019, 4, 1706.	4.6	9
23	The science of fake news. Science, 2018, 359, 1094-1096.	12.6	2,198
24	Ultra High-Dimensional Nonlinear Feature Selection for Big Biological Data. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1352-1365.	5.7	48
25	How algorithmic popularity bias hinders or promotes quality. Scientific Reports, 2018, 8, 15951.	3.3	85
26	Research Challenges of Digital Misinformation: Toward a Trustworthy Web. AI Magazine, 2018, 39, 65-74.	1.6	22
27	The spread of low-credibility content by social bots. Nature Communications, 2018, 9, 4787.	12.8	554
28	Scalable Detection of Viral Memes from Diffusion Patterns. Computational Social Sciences, 2018, , 197-211.	0.4	5
29	Anatomy of an online misinformation network. PLoS ONE, 2018, 13, e0196087.	2.5	169
30	Attention on Weak Ties in Social and Communication Networks. Computational Social Sciences, 2018, , 213-228.	0.4	14
31	Feature Engineering for Social Bot Detection. , 2018, , 311-334.		17
32	Mining for Topics to Suggest Knowledge Model Extensions. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-30.	3.5	8
33	Limited individual attention and online virality of low-quality information. Nature Human Behaviour, 2017, 1, .	12.0	96
34	Finding Streams in Knowledge Graphs to Support Fact Checking. , 2017, , .		65
35	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
36	Early detection of promoted campaigns on social media. EPJ Data Science, 2017, 6, .	2.8	82

#	Article	IF	Citations
37	The DARPA Twitter Bot Challenge. Computer, 2016, 49, 38-46.	1.1	277
38	BotOrNot. , 2016, , .		510
39	The Spread of Misinformation in Social Media. , 2016, , .		20
40	On the Influence of Social Bots in Online Protests. Lecture Notes in Computer Science, 2016, , 269-278.	1.3	31
41	Hoaxy. , 2016, , .		221
42	Women through the glass ceiling: gender asymmetries in Wikipedia. EPJ Data Science, 2016, 5, .	2.8	91
43	The rise of social bots. Communications of the ACM, 2016, 59, 96-104.	4.5	1,263
44	A Role for Network Science in Social Norms Intervention. Procedia Computer Science, 2015, 51, 2217-2226.	2.0	9
45	The production of information in the attention economy. Scientific Reports, 2015, 5, 9452.	3.3	77
46	Topicality and Impact in Social Media: Diverse Messages, Focused Messengers. PLoS ONE, 2015, 10, e0118410.	2.5	42
47	First Women, Second Sex. , 2015, , .		42
48	Quality versus quantity in scientific impact. Journal of Informetrics, 2015, 9, 800-808.	2.9	22
49	Computational Fact Checking from Knowledge Networks. PLoS ONE, 2015, 10, e0128193.	2.5	228
50	Fast filtering and animation of large dynamic networks. EPJ Data Science, 2014, 3, .	2.8	9
51	Scholarometer. , 2014, , .		1
52	Connecting dream networks across cultures. , 2014, , .		2
53	Evolution of online user behavior during a social upheaval. , 2014, , .		67
54	Clustering memes in social media streams. Social Network Analysis and Mining, 2014, 4, 1.	2.8	18

#	Article	IF	Citations
55	On the use of sampling statistics to advance bibliometrics. Journal of Informetrics, 2014, 8, 419-420.	2.9	0
56	Supporting a Social Media Observatory with Customizable Index Structures: Architecture and Performance. , 2014, , 401-427.		5
57	The role of information diffusion in the evolution of social networks. , 2013, , .		109
58	Universality of scholarly impact metrics. Journal of Informetrics, 2013, 7, 924-932.	2.9	82
59	Ambiguous author query detection using crowdsourced digital library annotations. Information Processing and Management, 2013, 49, 454-464.	8.6	16
60	Virality Prediction and Community Structure in Social Networks. Scientific Reports, 2013, 3, 2522.	3.3	416
61	Clustering memes in social media. , 2013, , .		42
62	Social Dynamics of Science. Scientific Reports, 2013, 3, 1069.	3.3	64
63	The Geospatial Characteristics of a Social Movement Communication Network. PLoS ONE, 2013, 8, e55957.	2.5	105
64	The Digital Evolution of Occupy Wall Street. PLoS ONE, 2013, 8, e64679.	2.5	132
65	Traveling trends. , 2013, , .		38
66	Computational Analysis of Collective Behaviors via Agent-Based Modeling. , 2013, , 761-767.		0
67	Friendship prediction and homophily in social media. ACM Transactions on the Web, 2012, 6, 1-33.	2.5	259
68	Partisan asymmetries in online political activity. EPJ Data Science, 2012, 1, .	2.8	193
69	Scholarometer: A Social Framework for Analyzing Impact across Disciplines. PLoS ONE, 2012, 7, e43235.	2.5	30
70	Predicting the Political Alignment of Twitter Users. , 2011, , .		295
71	Properties and Evolution of Internet Traffic Networks from Anonymized Flow Data. ACM Transactions on Internet Technology, 2011, 10, 1-23.	4.4	9
72	The chain model for social tagging game design. , 2011, , .		5

#	Article	IF	Citations
73	Design of social games for collecting reliable semantic annotations. , 2011, , .		7
74	Truthy. , 2011, , .		329
75	Contextual tag inference. ACM Transactions on Multimedia Computing, Communications and Applications, 2011, 7S, 1-18.	4.3	13
76	Web Crawling. , 2011, , 311-362.		5
77	Modeling Traffic on the Web Graph. Lecture Notes in Computer Science, 2010, , 50-61.	1.3	6
78	Characterizing and Modeling the Dynamics of Online Popularity. Physical Review Letters, 2010, 105, 158701.	7.8	192
79	Folks in Folksonomies. , 2010, , .		112
80	Agents, bookmarks and clicks. , 2010, , .		7
81	GiveALink tagging game. , 2010, , .		8
82	Traffic in Social Media II: Modeling Bursty Popularity. , 2010, , .		19
83	Web Forms and Untraceable DDoS Attacks. , 2010, , 77-95.		0
84	Evaluating similarity measures for emergent semantics of social tagging. , 2009, , .		186
85	What's in a session. , 2009, , .		19
86	Incentives for social annotation. , 2009, , .		4
87	A scalable, collaborative similarity measure for social annotation systems. , 2009, , .		17
88	Social spam detection. , 2009, , .		125
89	Modeling Statistical Properties of Written Text. PLoS ONE, 2009, 4, e5372.	2.5	77
90	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

#	Article	IF	Citations
91	Visualizing social links in exploratory search. , 2008, , .		9
92	Efficient assembly of social semantic networks. , 2008, , .		10
93	Ranking web sites with real user traffic. , 2008, , .		56
94	Intelligent Peer Networks for Collaborative Web Search. AI Magazine, 2008, 29, 35.	1.6	2
95	On Local Estimations of PageRank: A Mean Field Approach. Internet Mathematics, 2007, 4, 245-266.	0.7	21
96	Social phishing. Communications of the ACM, 2007, 50, 94-100.	4.5	965
97	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
98	Scale-Free Network Growth by Ranking. Physical Review Letters, 2006, 96, 218701.	7.8	109
99	Algorithmic Computation and Approximation of Semantic Similarity. World Wide Web, 2006, 9, 431-456.	4.0	57
100	Approximating PageRank from In-Degree. Lecture Notes in Computer Science, 2006, , 59-71.	1.3	82
101	A General Evaluation Framework for Topical Crawlers. Information Retrieval, 2005, 8, 417-447.	2.0	82
102	Adaptive query routing in peer web search. , 2005, , .		3
103	Customer Targeting: A Neural Network Approach Guided by Genetic Algorithms. Management Science, 2005, 51, 264-276.	4.1	115
104	Combining link and content analysis to estimate semantic similarity. , 2004, , .		18
105	Evolution of document networks. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5261-5265.	7.1	64
106	Dynamic extraction topic descriptors and discriminators. , 2004, , .		17
107	Correlated topologies in citation networks and the Web. European Physical Journal B, 2004, 38, 211-221.	1.5	28
108	Lexical and semantic clustering by Web links. Journal of the Association for Information Science and Technology, 2004, 55, 1261-1269.	2.6	61

#	Article	IF	Citations
109	Topical web crawlers. ACM Transactions on Internet Technology, 2004, 4, 378-419.	4.4	201
110	Crawling the Web. , 2004, , 153-177.		111
111	Complementing search engines with online web mining agents. Decision Support Systems, 2003, 35, 195-212.	5.9	67
112	Topical Crawling for Business Intelligence. Lecture Notes in Computer Science, 2003, , 233-244.	1.3	43
113	Search Engine-Crawler Symbiosis: Adapting to Community Interests. Lecture Notes in Computer Science, 2003, , 221-232.	1.3	8
114	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
115	Evolutionary model selection in unsupervised learning. Intelligent Data Analysis, 2002, 6, 531-556.	0.9	90
116	MySpiders: Evolve Your Own Intelligent Web Crawlers. Autonomous Agents and Multi-Agent Systems, 2002, 5, 221-229.	2.1	36
117	Evaluating topic-driven web crawlers. , 2001, , .		118
118	OAMulator. Journal on Educational Resources in Computing, 2001, 1, 18-30.	1.3	1
119	Adaptive Retrieval Agents: Internalizing Local Context and Scaling up to the Web. Machine Learning, 2000, 39, 203-242.	5.4	109
120	Efficient and Scalable Pareto Optimization by Evolutionary Local Selection Algorithms. Evolutionary Computation, 2000, 8, 223-247.	3.0	47
121	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
122	Feature selection in unsupervised learning via evolutionary search. , 2000, , .		190
123	Scalable Web Search by Adaptive Online Agents: An InfoSpiders Case Study. , 1999, , 323-347.		40
124	Adaptive information agents in distributed textual environments. , 1998, , .		38
125	ALife Meets Web: Lessons Learned. Lecture Notes in Computer Science, 1998, , 156-167.	1.3	7
126	From Complex Environments to Complex Behaviors. Adaptive Behavior, 1996, 4, 317-363.	1.9	46

#	Article	IF	Citations
127	Maturation and the Evolution of Imitative Learning in Artificial Organisms. Adaptive Behavior, 1995, 4, 29-50.	1.9	31
128	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
129	Evidence of hyperplanes in the genetic learning of neural networks. Biological Cybernetics, 1992, 66, 283-289.	1.3	31
130	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
131	Measuring online social bubbles. PeerJ Computer Science, 0, 1, e38.	4.5	113
132	OSoMe: the IUNI observatory on social media. PeerJ Computer Science, 0, 2, e87.	4.5	31
133	How Twitter data sampling biases U.S. voter behavior characterizations. PeerJ Computer Science, 0, 8, e1025.	4.5	5