

Filippo Menczer

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133
papers

8,823
citations

45
h-index

93
g-index

136
ext. papers

11,040
ext. citations

4.2
avg, IF

6.48
L-index

#	Paper	IF	Citations
133	The science of fake news. <i>Science</i> , 2018 , 359, 1094-1096	33.3	1252
132	The rise of social bots. <i>Communications of the ACM</i> , 2016 , 59, 96-104	2.5	847
131	Social phishing. <i>Communications of the ACM</i> , 2007 , 50, 94-100	2.5	731
130	Virality prediction and community structure in social networks. <i>Scientific Reports</i> , 2013 , 3, 2522	4.9	323
129	The spread of low-credibility content by social bots. <i>Nature Communications</i> , 2018 , 9, 4787	17.4	318
128	BotOrNot 2016 ,		316
127	Truthy 2011 ,		240
126	Predicting the Political Alignment of Twitter Users 2011 ,		199
125	The DARPA Twitter Bot Challenge. <i>Computer</i> , 2016 , 49, 38-46	1.6	198
124	Friendship prediction and homophily in social media. <i>ACM Transactions on the Web</i> , 2012 , 6, 1-33	3.2	188
123	Characterizing and modeling the dynamics of online popularity. <i>Physical Review Letters</i> , 2010 , 105, 1587014		160
122	Hoaxy 2016 ,		147
121	Arming the public with artificial intelligence to counter social bots. <i>Human Behavior and Emerging Technologies</i> , 2019 , 1, 48-61	10.2	147
120	Feature selection in unsupervised learning via evolutionary search 2000 ,		144
119	Evaluating similarity measures for emergent semantics of social tagging 2009 ,		141
118	Partisan asymmetries in online political activity. <i>EPJ Data Science</i> , 2012 , 1,	3.4	136
117	Topical web crawlers. <i>ACM Transactions on Internet Technology</i> , 2004 , 4, 378-419	3.8	135

116	Computational Fact Checking from Knowledge Networks. <i>PLoS ONE</i> , 2015 , 10, e0128193	3.7	135
115	Anatomy of an online misinformation network. <i>PLoS ONE</i> , 2018 , 13, e0196087	3.7	116
114	The digital evolution of occupy wall street. <i>PLoS ONE</i> , 2013 , 8, e64679	3.7	108
113	Scale-free network growth by ranking. <i>Physical Review Letters</i> , 2006 , 96, 218701	7.4	93
112	Folks in Folksonomies 2010 ,		90
111	Evaluating topic-driven web crawlers 2001 ,		89
110	The role of information diffusion in the evolution of social networks 2013 ,		88
109	Customer Targeting: A Neural Network Approach Guided by Genetic Algorithms. <i>Management Science</i> , 2005 , 51, 264-276	3.9	88
108	The geospatial characteristics of a social movement communication network. <i>PLoS ONE</i> , 2013 , 8, e55957	3.7	85
107	Social spam detection 2009 ,		80
106	Adaptive Retrieval Agents: Internalizing Local Context and Scaling up to the Web 2000 , 39, 203-242		79
105	Measuring online social bubbles. <i>PeerJ Computer Science</i> , 1, e38	2.7	76
104	Modeling statistical properties of written text. <i>PLoS ONE</i> , 2009 , 4, e5372	3.7	71
103	Limited individual attention and online virality of low-quality information. <i>Nature Human Behaviour</i> , 2017 , 1,	12.8	70
102	Growing and navigating the small world Web by local content. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 14014-9	11.5	66
101	Universality of scholarly impact metrics. <i>Journal of Informetrics</i> , 2013 , 7, 924-932	3.1	63
100	Crawling the Web 2004 , 153-177		63
99	A General Evaluation Framework for Topical Crawlers. <i>Information Retrieval</i> , 2005 , 8, 417-447	1.8	62

98	Evolutionary model selection in unsupervised learning. <i>Intelligent Data Analysis</i> , 2002 , 6, 531-556	1.1	61
97	Scalable and Generalizable Social Bot Detection through Data Selection. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 1096-1103	5	54
96	The production of information in the attention economy. <i>Scientific Reports</i> , 2015 , 5, 9452	4.9	54
95	Early detection of promoted campaigns on social media. <i>EPJ Data Science</i> , 2017 , 6,	3.4	53
94	Evolution of online user behavior during a social upheaval 2014 ,		51
93	Evolution of document networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101 Suppl 1, 5261-5	11.5	51
92	Women through the glass ceiling: gender asymmetries in Wikipedia. <i>EPJ Data Science</i> , 2016 , 5,	3.4	47
91	Social dynamics of science. <i>Scientific Reports</i> , 2013 , 3, 1069	4.9	46
90	Complementing search engines with online web mining agents. <i>Decision Support Systems</i> , 2003 , 35, 195-212	3.12	46
89	Algorithmic Computation and Approximation of Semantic Similarity. <i>World Wide Web</i> , 2006 , 9, 431-456	2.9	45
88	Lexical and semantic clustering by Web links. <i>Journal of the Association for Information Science and Technology</i> , 2004 , 55, 1261-1269		45
87	Approximating PageRank from In-Degree. <i>Lecture Notes in Computer Science</i> , 2006 , 59-71	0.9	44
86	How algorithmic popularity bias hinders or promotes quality. <i>Scientific Reports</i> , 2018 , 8, 15951	4.9	44
85	Ranking web sites with real user traffic 2008 ,		40
84	Efficient and scalable Pareto optimization by evolutionary local selection algorithms. <i>Evolutionary Computation</i> , 2000 , 8, 223-47	4.3	40
83	Finding Streams in Knowledge Graphs to Support Fact Checking 2017 ,		38
82	Social network structure, segregation, and equality in a labor market with referral hiring. <i>Journal of Economic Behavior and Organization</i> , 2008 , 66, 514-528	1.6	38
81	Traveling trends 2013 ,		36

80	Clustering memes in social media 2013 ,		34
79	The COVID-19 Infodemic: Twitter versus Facebook. <i>Big Data and Society</i> , 2021 , 8, 205395172110138	5.3	33
78	Social influence and unfollowing accelerate the emergence of echo chambers. <i>Journal of Computational Social Science</i> , 2021 , 4, 381-402	3	31
77	Topical Crawling for Business Intelligence. <i>Lecture Notes in Computer Science</i> , 2003 , 233-244	0.9	28
76	MySpiders: Evolve Your Own Intelligent Web Crawlers. <i>Autonomous Agents and Multi-Agent Systems</i> , 2002 , 5, 221-229	2	28
75	Co-evolution of movement behaviours by tropical pelagic predatory fishes in response to prey environment: a simulation model. <i>Ecological Modelling</i> , 2000 , 134, 325-341	3	28
74	Topicality and impact in social media: diverse messages, focused messengers. <i>PLoS ONE</i> , 2015 , 10, e0118410	3.7	27
73	First Women, Second Sex 2015 ,		26
72	Evidence of hyperplanes in the genetic learning of neural networks. <i>Biological Cybernetics</i> , 1992 , 66, 283-9	2.8	26
71	Quantifying Biases in Online Information Exposure. <i>Journal of the Association for Information Science and Technology</i> , 2019 , 70, 218-229	2.7	26
70	Ultra High-Dimensional Nonlinear Feature Selection for Big Biological Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 1352-1365	4.2	24
69	Scholarometer: a social framework for analyzing impact across disciplines. <i>PLoS ONE</i> , 2012 , 7, e43235	3.7	24
68	Adaptive information agents in distributed textual environments 1998 ,		21
67	OSoMe: the IUNI observatory on social media. <i>PeerJ Computer Science</i> , 2017 , 2, e87	2.7	20
66	Scalable Web Search by Adaptive Online Agents: An InfoSpiders Case Study 1999 , 323-347		20
65	On Local Estimations of PageRank: A Mean Field Approach. <i>Internet Mathematics</i> , 2007 , 4, 245-266	0	19
64	Detection of Novel Social Bots by Ensembles of Specialized Classifiers 2020 ,		19
63	Quality versus quantity in scientific impact. <i>Journal of Informetrics</i> , 2015 , 9, 800-808	3.1	18

62	Correlated topologies in citation networks and the Web. <i>European Physical Journal B</i> , 2004 , 38, 211-221	1.2	18
61	From Complex Environments to Complex Behaviors. <i>Adaptive Behavior</i> , 1996 , 4, 317-363	1.1	17
60	On the Influence of Social Bots in Online Protests. <i>Lecture Notes in Computer Science</i> , 2016 , 269-278	0.9	16
59	Clustering memes in social media streams. <i>Social Network Analysis and Mining</i> , 2014 , 4, 1	2.2	16
58	What's in a session 2009 ,		16
57	Traffic in Social Media II: Modeling Bursty Popularity 2010 ,		15
56	The Spread of Misinformation in Social Media 2016 ,		15
55	A scalable, collaborative similarity measure for social annotation systems 2009 ,		14
54	Exposure to social engagement metrics increases vulnerability to misinformation 2020 ,		14
53	Contextual tag inference. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2011 , 7S, 1-18	3.4	13
52	Ambiguous author query detection using crowdsourced digital library annotations. <i>Information Processing and Management</i> , 2013 , 49, 454-464	6.3	12
51	Research Challenges of Digital Misinformation: Toward a Trustworthy Web. <i>AI Magazine</i> , 2018 , 39, 65-74	6.1	12
50	Dynamic extraction topic descriptors and discriminators 2004 ,		10
49	Maturation and the Evolution of Imitative Learning in Artificial Organisms. <i>Adaptive Behavior</i> , 1995 , 4, 29-50	1.1	10
48	Recombination and unsupervised learning: effects of crossover in the genetic optimization of neural networks. <i>Network: Computation in Neural Systems</i> , 1992 , 3, 423-442	0.7	10
47	Fast filtering and animation of large dynamic networks. <i>EPJ Data Science</i> , 2014 , 3,	3.4	9
46	Unveiling Coordinated Groups Behind White Helmets Disinformation 2020 ,		9
45	GiveALink tagging game 2010 ,		8

44	Visualizing social links in exploratory search 2008 ,		8
43	Efficient assembly of social semantic networks 2008 ,		8
42	Combining link and content analysis to estimate semantic similarity 2004 ,		8
41	Attention on Weak Ties in Social and Communication Networks. <i>Computational Social Sciences</i> , 2018 , 213-228	0.7	8
40	Asymmetrical perceptions of partisan political bots. <i>New Media and Society</i> , 2020 , 146144482094274	3.8	8
39	Bot Electioneering Volume: Visualizing 'Social Bot' Activity During Elections 2019 ,		7
38	Agents, bookmarks and clicks 2010 ,		7
37	Properties and Evolution of Internet Traffic Networks from Anonymized Flow Data. <i>ACM Transactions on Internet Technology</i> , 2011 , 10, 1-23	3.8	6
36	Feature Engineering for Social Bot Detection 2018 , 311-334		6
35	BotSlayer: real-time detection of bot amplification on Twitter. <i>Journal of Open Source Software</i> , 2019 , 4, 1706	5.2	6
34	Fakey. <i>Proceedings of the ACM on Human-Computer Interaction</i> , 2021 , 5, 1-27	3.4	6
33	Neutral bots probe political bias on social media. <i>Nature Communications</i> , 2021 , 12, 5580	17.4	6
32	A Role for Network Science in Social Norms Intervention. <i>Procedia Computer Science</i> , 2015 , 51, 2217-2226	6.6	5
31	Recombination and unsupervised learning: effects of crossover in the genetic optimization of neural networks		5
30	ALife Meets Web: Lessons Learned. <i>Lecture Notes in Computer Science</i> , 1998 , 156-167	0.9	5
29	Search Engine-Crawler Symbiosis: Adapting to Community Interests. <i>Lecture Notes in Computer Science</i> , 2003 , 221-232	0.9	4
28	Supporting a Social Media Observatory with Customizable Index Structures: Architecture and Performance 2014 , 401-427		4
27	Mining for Topics to Suggest Knowledge Model Extensions. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2016 , 11, 1-30	4	4

26	Right and left, partisanship predicts (asymmetric) vulnerability to misinformation 2021 ,		4
25	Scalable Detection of Viral Memes from Diffusion Patterns. <i>Computational Social Sciences</i> , 2018 , 197-211	0.7	4
24	Online misinformation is linked to early COVID-19 vaccination hesitancy and refusal.. <i>Scientific Reports</i> , 2022 , 12, 5966	4.9	4
23	Massive Multi-agent Data-Driven Simulations of the GitHub Ecosystem. <i>Lecture Notes in Computer Science</i> , 2019 , 3-15	0.9	3
22	The chain model for social tagging game design 2011 ,		3
21	Design of social games for collecting reliable semantic annotations 2011 ,		3
20	Modeling Traffic on the Web Graph. <i>Lecture Notes in Computer Science</i> , 2010 , 50-61	0.9	3
19	Adaptive query routing in peer web search 2005 ,		3
18	Political audience diversity and news reliability in algorithmic ranking.. <i>Nature Human Behaviour</i> , 2022 ,	12.8	3
17	Online misinformation is linked to COVID-19 vaccination hesitancy and refusal (Preprint)		3
16	Recency predicts bursts in the evolution of author citations. <i>Quantitative Science Studies</i> , 2020 , 1, 1298-1308	3.88	2
15	Connecting dream networks across cultures 2014 ,		2
14	Incentives for social annotation 2009 ,		2
13	Intelligent Peer Networks for Collaborative Web Search. <i>AI Magazine</i> , 2008 , 29, 35	6.1	2
12	On the challenges of predicting microscopic dynamics of online conversations. <i>Applied Network Science</i> , 2021 , 6,	2.9	2
11	Detecting Climate Teleconnections With Granger Causality. <i>Geophysical Research Letters</i> , 2021 , 48, e2021094707	4.9	1
10	Scholarometer 2014 ,		1
9	OAMulator. <i>Journal on Educational Resources in Computing</i> , 2001 , 1, 18-30		1

- 8 Web Crawling **2011**, 311-362 1
- 7 Les ressorts de la désinformation. *Pour la science Fr*, **2021**, N° 523 - mai, 34-41 0 0
- 6 On the use of sampling statistics to advance bibliometrics. *Journal of Informetrics*, **2014**, 8, 419-420 3.1
- 5 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
- 4 Notre cerveau, proie des « bots » **2021**, N° 138, 74-81
- 3 Online Interactions **2015**, 99-116
- 2 Web Forms and Untraceable DDoS Attacks **2010**, 77-95
- 1 Computational Analysis of Collective Behaviors via Agent-Based Modeling **2013**, 761-767