

Christopher M Danforth

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,805
citations

304743

22
h-index

206112

48
g-index

56
all docs

56
docs citations

56
times ranked

2847
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal Patterns of Happiness and Information in a Global Social Network: Hedonometrics and Twitter. PLoS ONE, 2011, 6, e26752.	2.5	544
2	Forecasting the onset and course of mental illness with Twitter data. Scientific Reports, 2017, 7, 13006.	3.3	245
3	Characterizing the Google Books Corpus: Strong Limits to Inferences of Socio-Cultural and Linguistic Evolution. PLoS ONE, 2015, 10, e0137041.	2.5	243
4	Human language reveals a universal positivity bias. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2389-2394.	7.1	242
5	Measuring the Happiness of Large-Scale Written Expression: Songs, Blogs, and Presidents. Journal of Happiness Studies, 2010, 11, 441-456.	3.2	236
6	Instagram photos reveal predictive markers of depression. EPJ Data Science, 2017, 6, .	2.8	208
7	Climate Change Sentiment on Twitter: An Unsolicited Public Opinion Poll. PLoS ONE, 2015, 10, e0136092.	2.5	173
8	Divergent discourse between protests and counter-protests: #BlackLivesMatter and #AllLivesMatter. PLoS ONE, 2018, 13, e0195644.	2.5	85
9	Social media usage patterns during natural hazards. PLoS ONE, 2019, 14, e0210484.	2.5	76
10	Vaporous Marketing: Uncovering Pervasive Electronic Cigarette Advertisements on Twitter. PLoS ONE, 2016, 11, e0157304.	2.5	65
11	The impact of uncertainty in a blood coagulation model. Mathematical Medicine and Biology, 2009, 26, 323-336.	1.2	55
12	Visitors to urban greenspace have higher sentiment and lower negativity on Twitter. People and Nature, 2019, 1, 476-485.	3.7	53
13	Defining the Boundaries of Normal Thrombin Generation: Investigations into Hemostasis. PLoS ONE, 2012, 7, e30385.	2.5	51
14	Predicting Critical Transitions From Time Series Synchronphasor Data. IEEE Transactions on Smart Grid, 2012, 3, 1832-1840.	9.0	48
15	Doomscrolling during COVID-19: The negative association between daily social and traditional media consumption and mental health symptoms during the COVID-19 pandemic.. Psychological Trauma: Theory, Research, Practice, and Policy, 2022, 14, 1338-1346.	2.1	40
16	How the world's collective attention is being paid to a pandemic: COVID-19 related n-gram time series for 24 languages on Twitter. PLoS ONE, 2021, 16, e0244476.	2.5	37
17	Limited Imitation Contagion on Random Networks: Chaos, Universality, and Unpredictability. Physical Review Letters, 2013, 110, 158701.	7.8	33
18	Generalized word shift graphs: a method for visualizing and explaining pairwise comparisons between texts. EPJ Data Science, 2021, 10, .	2.8	30

#	ARTICLE	IF	CITATIONS
19	The growing amplification of social media: measuring temporal and social contagion dynamics for over 150 languages on Twitter for 2009–2020. <i>EPJ Data Science</i> , 2021, 10, 15.	2.8	29
20	Using Singular Value Decomposition to Parameterize State-Dependent Model Errors. <i>Journals of the Atmospheric Sciences</i> , 2008, 65, 1467-1478.	1.7	28
21	Zipf's law holds for phrases, not words. <i>Scientific Reports</i> , 2015, 5, 12209.	3.3	26
22	Estimation of Global Network Statistics from Incomplete Data. <i>PLoS ONE</i> , 2014, 9, e108471.	2.5	24
23	Text mixing shapes the anatomy of rank-frequency distributions. <i>Physical Review E</i> , 2015, 91, 052811.	2.1	22
24	The Lexicalorimeter: Gauging public health through caloric input and output on social media. <i>PLoS ONE</i> , 2017, 12, e0168893.	2.5	22
25	Storywrangler: A massive exploratorium for sociolinguistic, cultural, socioeconomic, and political timelines using Twitter. <i>Science Advances</i> , 2021, 7, .	10.3	19
26	Impact of online empirical model correction on nonlinear error growth. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	17
27	Story Arcs in Serious Illness: Natural Language Processing features of Palliative Care Conversations. <i>Patient Education and Counseling</i> , 2020, 103, 826-832.	2.2	15
28	Game story space of professional sports: Australian rules football. <i>Physical Review E</i> , 2016, 93, 052314.	2.1	13
29	Standing Swells Surveyed Showing Surprisingly Stable Solutions for the Lorenz '96 Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1430027.	1.7	12
30	Robustness of spatial micronetworks. <i>Physical Review E</i> , 2015, 91, 042813.	2.1	11
31	Is language evolution grinding to a halt? The scaling of lexical turbulence in English fiction suggests it is not. <i>Journal of Computational Science</i> , 2017, 21, 24-37.	2.9	11
32	English verb regularization in books and tweets. <i>PLoS ONE</i> , 2018, 13, e0209651.	2.5	10
33	Ratioing the President: An exploration of public engagement with Obama and Trump on Twitter. <i>PLoS ONE</i> , 2021, 16, e0248880.	2.5	10
34	Simon's fundamental rich-get-richer model entails a dominant first-mover advantage. <i>Physical Review E</i> , 2017, 95, 052301.	2.1	8
35	Reply to Garcia et al.: Common mistakes in measuring frequency-dependent word characteristics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2984-5.	7.1	7
36	Sentiment and structure in word co-occurrence networks on Twitter. <i>Applied Network Science</i> , 2022, 7, .	1.5	7

#	ARTICLE	IF	CITATIONS
37	Predicting flow reversals in chaotic natural convection using data assimilation. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2012, 64, 17598.	1.7	6
38	Identifying missing dictionary entries with frequency-conserving context models. <i>Physical Review E</i> , 2015, 92, 042808.	2.1	5
39	Quantifying Changes in the Language Used Around Mental Health on Twitter Over 10 Years: Observational Study. <i>JMIR Mental Health</i> , 2022, 9, e33685.	3.3	5
40	Nutrient enrichment alters dynamics in experimental plant populations. <i>Population Ecology</i> , 2014, 56, 97-107.	1.2	4
41	The shocklet transform: a decomposition method for the identification of local, mechanism-driven dynamics in sociotechnical time series. <i>EPJ Data Science</i> , 2020, 9, .	2.8	4
42	Hahahahaha, Duuuuude, Yeeesss!: A two-parameter characterization of stretchable words and the dynamics of mistypings and misspellings. <i>PLoS ONE</i> , 2020, 15, e0232938.	2.5	4
43	Computational timeline reconstruction of the stories surrounding Trump: Story turbulence, narrative control, and collective chronopathy. <i>PLoS ONE</i> , 2021, 16, e0260592.	2.5	4
44	Predicting Flow Reversals in a Computational Fluid Dynamics Simulated Thermosyphon Using Data Assimilation. <i>PLoS ONE</i> , 2016, 11, e0148134.	2.5	3
45	Augmenting Semantic Lexicons Using Word Embeddings and Transfer Learning. <i>Frontiers in Artificial Intelligence</i> , 2021, 4, 783778.	3.4	3
46	Tracking Climate Change through the Spatiotemporal Dynamics of the Teletherms, the Statistically Hottest and Coldest Days of the Year. <i>PLoS ONE</i> , 2016, 11, e0154184.	2.5	2
47	Local information sources received the most attention from Puerto Ricans during the aftermath of Hurricane Maria. <i>PLoS ONE</i> , 2021, 16, e0251704.	2.5	2
48	Continuum rich-get-richer processes: Mean field analysis with an application to firm size. <i>Physical Review E</i> , 2018, 97, 062317.	2.1	1
49	Ecological and Coevolutionary Dynamics in Modern Markets Yield Nonstationarity in Market Efficiencies. <i>Complexity</i> , 2022, 2022, 1-14.	1.6	1
50	Noncooperative dynamics in election interference. <i>Physical Review E</i> , 2020, 101, 022307.	2.1	0
51	Title is missing!. , 2020, 15, e0232938.		0
52	Title is missing!. , 2020, 15, e0232938.		0
53	Title is missing!. , 2020, 15, e0232938.		0
54	Title is missing!. , 2020, 15, e0232938.		0