Bruno Goncalves

List of Publications by Citations

63 papers	4,983 citations	31 h-index	64 g-index
64 ext. papers	5,802 ext. citations	3.8 avg, IF	5.63 L-index

#	Paper	IF	Citations
63	Multiscale mobility networks and the spatial spreading of infectious diseases. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 21484-9	11.5	821
62	Modeling users' activity on twitter networks: validation of Dunbar's number. *PLoS ONE*, **2011**, 6, e22656	3.7	324
61	The dynamics of protest recruitment through an online network. *Scientific Reports*, **2011**, 1, 197	4.9	311
60	Modeling the spatial spread of infectious diseases: the GLobal Epidemic and Mobility computational model. *Journal of Computational Science*, **2010**, 1, 132-145	3.4	275
59	Seasonal transmission potential and activity peaks of the new influenza A(H1N1): a Monte Carlo likelihood analysis based on human mobility. *BMC Medicine*, **2009**, 7, 45	11.4	248
58	Truthy **2011**,		240
57	Predicting the Political Alignment of Twitter Users **2011**,		199
56	Real-time numerical forecast of global epidemic spreading: case study of 2009 A/H1N1pdm. *BMC Medicine*, **2012**, 10, 165	11.4	178
55	Dynamical classes of collective attention in twitter **2012**,		170
54	Comparing large-scale computational approaches to epidemic modeling: agent-based versus structured metapopulation models. *BMC Infectious Diseases*, **2010**, 10, 190	4	163
53	Happiness is assortative in online social networks. *Artificial Life*, **2011**, 17, 237-51	1.4	162
52	Towards a characterization of behavior-disease models. *PLoS ONE*, **2011**, 6, e23084	3.7	149
51	The Twitter of Babel: mapping world languages through microblogging platforms. *PLoS ONE*, **2013**, 8, e61981	3.7	148
50	Assessing the bias in samples of large online networks. *Social Networks*, **2014**, 38, 16-27	3.9	137
49	Partisan asymmetries in online political activity. *EPJ Data Science*, **2012**, 1,	3.4	136
48	Random walks and search in time-varying networks. *Physical Review Letters*, **2012**, 109, 238701	7.4	133
47	The GLEaMviz computational tool, a publicly available software to explore realistic epidemic spreading scenarios at the global scale. *BMC Infectious Diseases*, **2011**, 11, 37	4	131

46	Human dynamics revealed through Web analytics. *Physical Review E*, **2008**, 78, 026123	2.4	102
45	The role of information diffusion in the evolution of social networks **2013**,		88
44	Links that speak: the global language network and its association with global fame. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E5616-22	11.5	72
43	Entangling mobility and interactions in social media. *PLoS ONE*, **2014**, 9, e92196	3.7	56
42	The dynamics of information-driven coordination phenomena: A transfer entropy analysis. *Science Advances*, **2016**, 2, e1501158	14.3	54
41	Networks of Audience Overlap in the Consumption of Digital News. *Journal of Communication*, **2018**, 68, 26-50	2.4	48
40	Emergence of Influential Spreaders in Modified Rumor Models. *Journal of Statistical Physics*, **2013**, 151, 383-393	1.5	45
39	Beating the news using social media: the case study of American Idol. *EPJ Data Science*, **2012**, 1,	3.4	41
38	Crowdsourcing dialect characterization through Twitter. *PLoS ONE*, **2014**, 9, e112074	3.7	40
37	Mapping the Americanization of English in space and time. *PLoS ONE*, **2018**, 13, e0197741	3.7	36
36	Human diffusion and city influence. *Journal of the Royal Society Interface*, **2015**, 12, 20150473	4.1	33
35	Immigrant community integration in world cities. *PLoS ONE*, **2018**, 13, e0191612	3.7	33
34	Hierarchical regular small-world networks. *Journal of Physics A: Mathematical and Theoretical*, **2008**, 41, 252001	2	32
33	Transport on weighted networks: When the correlations are independent of the degree. *Physical Review E*, **2007**, 76, 066106	2.4	32
32	The happiness paradox: your friends are happier than you. *EPJ Data Science*, **2017**, 6,	3.4	31
31	Characterizing scientific production and consumption in physics. *Scientific Reports*, **2013**, 3, 1640	4.9	29
30	Touristic site attractiveness seen through Twitter. *EPJ Data Science*, **2016**, 5,	3.4	23
29	OSoMe: the IUNI observatory on social media. *PeerJ Computer Science*,2, e87	2.7	20

28	Anomalous diffusion on the Hanoi networks. *Europhysics Letters*, **2008**, 84, 30002	1.6	19
27	The contagion effects of repeated activation in social networks. *Social Networks*, **2018**, 54, 326-335	3.9	17
26	What's in a session **2009**,		16
25	Ensemble inequivalence in random graphs. *Physica A: Statistical Mechanics and Its Applications*, **2007** , 386, 212-218	3.3	16
24	Modeling the critical care demand and antibiotics resources needed during the Fall 2009 wave of influenza A(H1N1) pandemic. *PLOS Currents*, **2009**, 1, RRN1133		16
23	Geometry and dynamics for hierarchical regular networks. *Journal of Physics A: Mathematical and Theoretical*, **2008**, 41, 335003	2	15
22	Human mobility and the worldwide impact of intentional localized highly pathogenic virus release. *Scientific Reports*, **2013**, 3, 810	4.9	14
21	Assessing the Bias in Communication Networks Sampled from Twitter. *SSRN Electronic Journal*, **2012**,	1	14
20	Estimate of Novel Influenza A/H1N1 cases in Mexico at the early stage of the pandemic with a spatially structured epidemic model. *PLOS Currents*, **2009**, 1, RRN1129		14
19	Semantic homophily in online communication: Evidence from Twitter. *Online Social Networks and Media*, **2017**, 2, 1-18	3.3	13
18	Modeling vaccination campaigns and the Fall/Winter 2009 activity of the new A(H1N1) influenza in the Northern Hemisphere. *Emerging Health Threats Journal*, **2009**, 2, e11		12
17	Modeling and Predicting Human Infectious Diseases **2015**, 59-83		10
16	The Bridges and Brokers of Global Campaigns in the Context of Social Media. *SSRN Electronic Journal*, **2013**,	1	9
15	Modeling vaccination campaigns and the Fall/Winter 2009 activity of the new A(H1N1) influenza in the Northern Hemisphere. *Emerging Health Threats Journal*, **2009**, 2, 7093		9
14	Hysteretic optimization for spin glasses. *Journal of Statistical Mechanics: Theory and Experiment*, **2008**, 2008, P01003	1.9	9
13	The peculiar phase structure of random graph bisection. *Journal of Mathematical Physics*, **2008**, 49, 125219		8
12	Agents, bookmarks and clicks **2010**,		7
11	Topical differences between Chinese language Twitter and Sina Weibo **2016**,		7

List of Publications

10	Monte Carlo study of the elastic interaction in heteroepitaxial growth. *Physical Review E*, **2002**, 65, 061602	2.4	4
9	What Counts as a Weak Tie? A Comparison of Filtering Techniques for Weighted Networks. *SSRN Electronic Journal*, **2019**,	1	3
8	Modeling Traffic on the Web Graph. *Lecture Notes in Computer Science*, **2010**, 50-61	0.9	3
7	Magnetic reversal time in open long-range systems. *Physical Review E*, **2008**, 77, 061119	2.4	2
6	The Spanish Indignados Movement: Time Dynamics, Geographical Distribution, and Recruitment Mechanisms. *Lecture Notes in Social Networks*, **2014**, 155-177	0.6	2
5	Network Happiness: How Online Social Interactions Relate to Our Well Being. *Computational Social Sciences*, **2018**, 257-268	0.7	2
4	Social Networks, Contagion Processes and the Spreading of Infectious Diseases **2013**, 515-527		1
3	Towards the Characterization of Individual Users through Web Analytics. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2009**, 2247-2254	0.2	1
2	What counts as a weak tie? A comparison of filtering techniques to analyze co-exposure networks. *Social Networks*, **2022**, 68, 386-393	3.9	0
1	Reply to Biersteker: When methods matter. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E1815	11.5	