

Nicola Perra

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

4,978
citations

168829

31
h-index

198040

52
g-index

67
all docs

67
docs citations

67
times ranked

5193
citing authors

#	ARTICLE	IF	CITATIONS
1	Addressing the socioeconomic divide in computational modeling for infectious diseases. Nature Communications, 2022, 13, .	5.8	20
2	Anatomy of the first six months of COVID-19 vaccination campaign in Italy. PLoS Computational Biology, 2022, 18, e1010146.	1.5	5
3	Ethical implications of network data in business and management settings. Social Networks, 2021, 67, 29-40.	1.3	10
4	Estimating the effect of social inequalities on the mitigation of COVID-19 across communities in Santiago de Chile. Nature Communications, 2021, 12, 2429.	5.8	80
5	Non-pharmaceutical interventions during the COVID-19 pandemic: A review. Physics Reports, 2021, 913, 1-52.	10.3	336
6	Self-initiated behavioral change and disease resurgence on activity-driven networks. Physical Review E, 2021, 104, 014307.	0.8	13
7	The importance of non-pharmaceutical interventions during the COVID-19 vaccine rollout. PLoS Computational Biology, 2021, 17, e1009346.	1.5	51
8	Cryptic transmission of SARS-CoV-2 and the first COVID-19 wave. Nature, 2021, 600, 127-132.	13.7	61
9	Towards a data-driven characterization of behavioral changes induced by the seasonal flu. PLoS Computational Biology, 2020, 16, e1007879.	1.5	22
10	Phase transitions in information spreading on structured populations. Nature Physics, 2020, 16, 590-596.	6.5	53
11	Collective Response to Media Coverage of the COVID-19 Pandemic on Reddit and Wikipedia: Mixed-Methods Analysis. Journal of Medical Internet Research, 2020, 22, e21597.	2.1	94
12	Spreading of computer viruses on time-varying networks. Physical Review E, 2019, 99, 050303.	0.8	5
13	Modelling opinion dynamics in the age of algorithmic personalisation. Scientific Reports, 2019, 9, 7261.	1.6	57
14	Charting the Next Pandemic. , 2019, , .		16
15	Explore with caution: mapping the evolution of scientific interest in physics. EPJ Data Science, 2019, 8, .	1.5	19
16	The Effects of Local and Global Link Creation Mechanisms on Contagion Processes Unfolding on Time-Varying Networks. Computational Social Sciences, 2019, , 305-324.	0.4	0
17	Epidemic spreading in modular time-varying networks. Scientific Reports, 2018, 8, 2352.	1.6	80
18	Resilience management during large-scale epidemic outbreaks. Scientific Reports, 2018, 8, 1859.	1.6	67

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19	Epidemic spreading on time-varying multiplex networks. <i>Physical Review E</i> , 2018, 98, .	0.8	28
20	Attention on Weak Ties in Social and Communication Networks. <i>Computational Social Sciences</i> , 2018, , 213-228.	0.4	14
21	Forecasting Seasonal Influenza Fusing Digital Indicators and a Mechanistic Disease Model. , 2017, , .		47
22	Burstiness and tie activation strategies in time-varying social networks. <i>Scientific Reports</i> , 2017, 7, 46225.	1.6	32
23	Epidemic spreading on activity-driven networks with attractiveness. <i>Physical Review E</i> , 2017, 96, 042310.	0.8	50
24	Control Strategies of Contagion Processes in Time-Varying Networks. <i>Theoretical Biology</i> , 2017, , 179-197.	0.0	3
25	Random walks on activity-driven networks with attractiveness. <i>Physical Review E</i> , 2017, 95, 052318.	0.8	41
26	Combining Participatory Influenza Surveillance with Modeling and Forecasting: Three Alternative Approaches. <i>JMIR Public Health and Surveillance</i> , 2017, 3, e83.	1.2	42
27	The spreading of infectious diseases in modern socio-technical systems Comment on "Pattern transitions in spatial epidemics: Mechanisms and emergent properties" by Gui-Quan Sun et al.. <i>Physics of Life Reviews</i> , 2016, 19, 87-89.	1.5	2
28	The dynamics of information-driven coordination phenomena: A transfer entropy analysis. <i>Science Advances</i> , 2016, 2, e1501158.	4.7	67
29	Statistical physics of vaccination. <i>Physics Reports</i> , 2016, 664, 1-113.	10.3	734
30	Asymptotic theory of time-varying social networks with heterogeneous activity and tie allocation. <i>Scientific Reports</i> , 2016, 6, 35724.	1.6	34
31	Contrasting effects of strong ties on SIR and SIS processes in temporal networks. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	53
32	Committed activists and the reshaping of status-quo social consensus. <i>Physical Review E</i> , 2015, 92, 042805.	0.8	29
33	The Scaling of Human Contacts and Epidemic Processes in Metapopulation Networks. <i>Scientific Reports</i> , 2015, 5, 15111.	1.6	24
34	The role of endogenous and exogenous mechanisms in the formation of R&D networks. <i>Scientific Reports</i> , 2015, 4, 5679.	1.6	40
35	Modeling and Predicting Human Infectious Diseases. , 2015, , 59-83.		12
36	VoroGraph. , 2015, , .		5

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37	Social Data Mining and Seasonal Influenza Forecasts: The FluOutlook Platform. Lecture Notes in Computer Science, 2015, , 237-240.	1.0	18
38	The infection tree of global epidemics. Network Science, 2014, 2, 132-137.	0.8	18
39	Damage detection via shortest-path network sampling. Physical Review E, 2014, 89, 052816.	0.8	7
40	Controlling Contagion Processes in Activity Driven Networks. Physical Review Letters, 2014, 112, 118702.	2.9	147
41	Time varying networks and the weakness of strong ties. Scientific Reports, 2014, 4, 4001.	1.6	187
42	The role of information diffusion in the evolution of social networks. , 2013, , .		109
43	Social Networks, Contagion Processes and the Spreading of Infectious Diseases. , 2013, , 515-527.		3
44	Contagion dynamics in time-varying metapopulation networks. Physical Review E, 2013, 87, .	0.8	70
45	Quantifying the effect of temporal resolution on time-varying networks. Scientific Reports, 2013, 3, 3006.	1.6	115
46	Characterizing scientific production and consumption in Physics. Scientific Reports, 2013, 3, 1640.	1.6	32
47	The Twitter of Babel: Mapping World Languages through Microblogging Platforms. PLoS ONE, 2013, 8, e61981.	1.1	191
48	Modeling Contact and Mobility Based Social Response to the Spreading of Infectious Diseases. , 2013, , 103-123.		1
49	Random Walks and Search in Time-Varying Networks. Physical Review Letters, 2012, 109, 238701.	2.9	153
50	Beating the news using social media: the case study of American Idol. EPJ Data Science, 2012, 1, .	1.5	48
51	Real-time numerical forecast of global epidemic spreading: case study of 2009 A/H1N1pdm. BMC Medicine, 2012, 10, 165.	2.3	230
52	Modeling human mobility responses to the large-scale spreading of infectious diseases. Scientific Reports, 2011, 1, 62.	1.6	269
53	Modeling Users' Activity on Twitter Networks: Validation of Dunbar's Number. PLoS ONE, 2011, 6, e22656.	1.1	407
54	Towards a Characterization of Behavior-Disease Models. PLoS ONE, 2011, 6, e23084.	1.1	197

#	ARTICLE	IF	CITATIONS
55	Modeling vaccination campaigns and the Fall/Winter 2009 activity of the new A(H1N1) influenza in the Northern Hemisphere. <i>Emerging Health Threats Journal</i> , 2009, 2, 7093.	3.0	11
56	Seasonal transmission potential and activity peaks of the new influenza A(H1N1): a Monte Carlo likelihood analysis based on human mobility. <i>BMC Medicine</i> , 2009, 7, 45.	2.3	299
57	Estimate of Novel Influenza A/H1N1 cases in Mexico at the early stage of the pandemic with a spatially structured epidemic model. <i>PLOS Currents</i> , 2009, 1, RRN1129.	1.4	17
58	Modeling the critical care demand and antibiotics resources needed during the Fall 2009 wave of influenza A(H1N1) pandemic. <i>PLOS Currents</i> , 2009, 1, RRN1133.	1.4	20
59	Spectral centrality measures in complex networks. <i>Physical Review E</i> , 2008, 78, 036107.	0.8	122
60	Modeling vaccination campaigns and the Fall/Winter 2009 activity of the new A(H1N1) influenza in the Northern Hemisphere. <i>Emerging Health Threats Journal</i> , 2008, 2, e11.	3.0	15