

Sandro Meloni

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

3,067
citations

279798

23
h-index

265206

42
g-index

48
all docs

48
docs citations

48
times ranked

2681
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of urban structure on infectious disease spreading. <i>Scientific Reports</i> , 2022, 12, 3816.	3.3	15
2	An ecological approach to structural flexibility in online communication systems. <i>Nature Communications</i> , 2021, 12, 1941.	12.8	7
3	Framing in multiple public goods games and donation to charities. <i>Royal Society Open Science</i> , 2021, 8, 202117.	2.4	2
4	Neutral theory for competing attention in social networks. <i>Physical Review Research</i> , 2021, 3, .	3.6	4
5	Interplay between mobility, multi-seeding and lockdowns shapes COVID-19 local impact. <i>PLoS Computational Biology</i> , 2021, 17, e1009326.	3.2	17
6	Vector-borne epidemics driven by human mobility. <i>Physical Review Research</i> , 2020, 2, .	3.6	31
7	Unsupervised extraction of epidemic syndromes from participatory influenza surveillance self-reported symptoms. <i>PLoS Computational Biology</i> , 2019, 15, e1006173.	3.2	20
8	Impact of origin-destination information in epidemic spreading. <i>Scientific Reports</i> , 2019, 9, 2315.	3.3	11
9	Topical Alignment in Online Social Systems. <i>Frontiers in Physics</i> , 2019, 7, .	2.1	7
10	Markovian approach to tackle the interaction of simultaneous diseases. <i>Physical Review E</i> , 2019, 100, 062308.	2.1	20
11	Explore with caution: mapping the evolution of scientific interest in physics. <i>EPJ Data Science</i> , 2019, 8, .	2.8	19
12	Epidemics on plants: Modeling long-range dispersal on spatially embedded networks. <i>Journal of Theoretical Biology</i> , 2018, 453, 1-13.	1.7	15
13	Human mobility networks and persistence of rapidly mutating pathogens. <i>Royal Society Open Science</i> , 2017, 4, 160914.	2.4	15
14	A Multilayer perspective for the analysis of urban transportation systems. <i>Scientific Reports</i> , 2017, 7, 44359.	3.3	95
15	Heterogeneous resource allocation can change social hierarchy in public goods games. <i>Royal Society Open Science</i> , 2017, 4, 170092.	2.4	26
16	InfluenzaNet: Citizens Among 10 Countries Collaborating to Monitor Influenza in Europe. <i>JMIR Public Health and Surveillance</i> , 2017, 3, e66.	2.6	56
17	From degree-correlated to payoff-correlated activity for an optimal resolution of social dilemmas. <i>Physical Review E</i> , 2016, 94, 062315.	2.1	22
18	Epidemic spreading in random rectangular networks. <i>Physical Review E</i> , 2016, 94, 052316.	2.1	30

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19	Participatory Syndromic Surveillance of Influenza in Europe. <i>Journal of Infectious Diseases</i> , 2016, 214, S386-S392.	4.0	83
20	Kin of coauthorship in five decades of health science literature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8957-8962.	7.1	10
21	Characterising two-pathogen competition in spatially structured environments. <i>Scientific Reports</i> , 2015, 5, 7895.	3.3	31
22	Dynamic instability of cooperation due to diverse activity patterns in evolutionary social dilemmas. <i>Europhysics Letters</i> , 2015, 109, 58002.	2.0	90
23	Dynamics of Interacting Diseases. <i>Physical Review X</i> , 2014, 4, .	8.9	106
24	Emergence of Influential Spreaders in Modified Rumor Models. <i>Journal of Statistical Physics</i> , 2013, 151, 383-393.	1.2	59
25	Effects of delayed recovery and nonuniform transmission on the spreading of diseases in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1577-1585.	2.6	99
26	Host Mobility Drives Pathogen Competition in Spatially Structured Populations. <i>PLoS Computational Biology</i> , 2013, 9, e1003169.	3.2	44
27	Impact of Social Punishment on Cooperative Behavior in Complex Networks. <i>Scientific Reports</i> , 2013, 3, 3055.	3.3	166
28	Contact-based social contagion in multiplex networks. <i>Physical Review E</i> , 2013, 88, 050801.	2.1	193
29	Velocity-enhanced cooperation of moving agents playing public goods games. <i>Physical Review E</i> , 2012, 85, 067101.	2.1	53
30	EFFECTS OF ENVIRONMENT KNOWLEDGE ON AGGLOMERATION AND COOPERATION IN SPATIAL PUBLIC GOODS GAMES. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2012, 15, 1250056.	1.4	70
31	EFFECTS OF TRAFFIC PROPERTIES AND DEGREE HETEROGENEITY IN FLOW FLUCTUATIONS ON COMPLEX NETWORKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250170.	1.7	2
32	Modeling Epidemic Spreading in Complex Networks: Concurrency and Traffic. <i>Springer Optimization and Its Applications</i> , 2012, , 435-462.	0.9	9
33	Modeling human mobility responses to the large-scale spreading of infectious diseases. <i>Scientific Reports</i> , 2011, 1, 62.	3.3	269
34	Effect of topology on diversity of spatially-structured evolutionary algorithms. , 2011, , .		2
35	Interdependency Effects Measured on Complex Interdependent Networks. , 2010, , .		0
36	Discrete-time Markov chain approach to contact-based disease spreading in complex networks. <i>Europhysics Letters</i> , 2010, 89, 38009.	2.0	403

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37	Local empathy provides global minimization of congestion in communication networks. Physical Review E, 2010, 82, 056105.	2.1	35
38	Effects of mobility in a population of prisoner's dilemma players. Physical Review E, 2009, 79, 067101.	2.1	226
39	Traffic-driven epidemic spreading in finite-size scale-free networks. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16897-16902.	7.1	163
40	Soft Computing Techniques for Internet Backbone Traffic Anomaly Detection. Lecture Notes in Computer Science, 2009, , 99-104.	1.3	2
41	Growing Fully Distributed Robust Topologies in a Sensor Network. Understanding Complex Systems, 2009, , 143-158.	0.6	3
42	Is the topology of the Internet network really fit to sustain its function?. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 1689-1704.	2.6	24
43	Modelling interdependent infrastructures using interacting dynamical models. International Journal of Critical Infrastructures, 2008, 4, 63.	0.2	392
44	Scaling Breakdown in Flow Fluctuations on Complex Networks. Physical Review Letters, 2008, 100, 208701.	7.8	97
45	A Complex System's View of Critical Infrastructures. , 2008, , 241-260.		2
46	Quantifying the drivers behind collective attention in information ecosystems. Journal of Physics Complexity, 0, , .	2.2	0