

# Sandro Meloni

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/575443/publications.pdf>

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	Discrete-time Markov chain approach to contact-based disease spreading in complex networks. Europhysics Letters, 2010, 89, 38009.	2.0	403
2	Modelling interdependent infrastructures using interacting dynamical models. International Journal of Critical Infrastructures, 2008, 4, 63.	0.2	392
3	Modeling human mobility responses to the large-scale spreading of infectious diseases. Scientific Reports, 2011, 1, 62.	3.3	269
4	Effects of mobility in a population of prisonerâ€™s dilemma players. Physical Review E, 2009, 79, 067101.	2.1	226
5	Contact-based social contagion in multiplex networks. Physical Review E, 2013, 88, 050801.	2.1	193
6	Impact of Social Punishment on Cooperative Behavior in Complex Networks. Scientific Reports, 2013, 3, 3055.	3.3	166
7	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
8	Dynamics of Interacting Diseases. Physical Review X, 2014, 4, .	8.9	106
9	Effects of delayed recovery and nonuniform transmission on the spreading of diseases in complex networks. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1577-1585.	2.6	99
10	Scaling Breakdown in Flow Fluctuations on Complex Networks. Physical Review Letters, 2008, 100, 208701.	7.8	97
11	A Multilayer perspective for the analysis of urban transportation systems. Scientific Reports, 2017, 7, 44359.	3.3	95
12	Dynamic instability of cooperation due to diverse activity patterns in evolutionary social dilemmas. Europhysics Letters, 2015, 109, 58002.	2.0	90
13	Participatory Syndromic Surveillance of Influenza in Europe. Journal of Infectious Diseases, 2016, 214, S386-S392.	4.0	83
14	EFFECTS OF ENVIRONMENT KNOWLEDGE ON AGGLOMERATION AND COOPERATION IN SPATIAL PUBLIC GOODS GAMES. International Journal of Modeling, Simulation, and Scientific Computing, 2012, 15, 1250056.	1.4	70
15	Emergence of Influential Spreaders in Modified Rumor Models. Journal of Statistical Physics, 2013, 151, 383-393.	1.2	59
16	Influenznet: Citizens Among 10 Countries Collaborating to Monitor Influenza in Europe. JMIR Public Health and Surveillance, 2017, 3, e66.	2.6	56
17	Velocity-enhanced cooperation of moving agents playing public goods games. Physical Review E, 2012, 85, 067101.	2.1	53
18	Host Mobility Drives Pathogen Competition in Spatially Structured Populations. PLoS Computational Biology, 2013, 9, e1003169.	3.2	44

#	ARTICLE	IF	CITATIONS
19	Local empathy provides global minimization of congestion in communication networks. <i>Physical Review E</i> , 2010, 82, 056105.	2.1	35
20	Characterising two-pathogen competition in spatially structured environments. <i>Scientific Reports</i> , 2015, 5, 7895.	3.3	31
21	Vector-borne epidemics driven by human mobility. <i>Physical Review Research</i> , 2020, 2, .	3.6	31
22	Epidemic spreading in random rectangular networks. <i>Physical Review E</i> , 2016, 94, 052316.	2.1	30
23	Heterogeneous resource allocation can change social hierarchy in public goods games. <i>Royal Society Open Science</i> , 2017, 4, 170092.	2.4	26
24	Is the topology of the Internet network really fit to sustain its function?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 1689-1704.	2.6	24
25	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
26	Unsupervised extraction of epidemic syndromes from participatory influenza surveillance self-reported symptoms. <i>PLoS Computational Biology</i> , 2019, 15, e1006173.	3.2	20
27	Markovian approach to tackle the interaction of simultaneous diseases. <i>Physical Review E</i> , 2019, 100, 062308.	2.1	20
28	Explore with caution: mapping the evolution of scientific interest in physics. <i>EPJ Data Science</i> , 2019, 8, .	2.8	19
29	Interplay between mobility, multi-seeding and lockdowns shapes COVID-19 local impact. <i>PLoS Computational Biology</i> , 2021, 17, e1009326.	3.2	17
30	Human mobility networks and persistence of rapidly mutating pathogens. <i>Royal Society Open Science</i> , 2017, 4, 160914.	2.4	15
31	Epidemics on plants: Modeling long-range dispersal on spatially embedded networks. <i>Journal of Theoretical Biology</i> , 2018, 453, 1-13.	1.7	15
32	Impact of urban structure on infectious disease spreading. <i>Scientific Reports</i> , 2022, 12, 3816.	3.3	15
33	Impact of origin-destination information in epidemic spreading. <i>Scientific Reports</i> , 2019, 9, 2315.	3.3	11
34	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
35	Modeling Epidemic Spreading in Complex Networks: Concurrency and Traffic. <i>Springer Optimization and Its Applications</i> , 2012, , 435-462.	0.9	9
36	Topical Alignment in Online Social Systems. <i>Frontiers in Physics</i> , 2019, 7, .	2.1	7

#	ARTICLE	IF	CITATIONS
37	An ecological approach to structural flexibility in online communication systems. Nature Communications, 2021, 12, 1941.	12.8	7
38	Neutral theory for competing attention in social networks. Physical Review Research, 2021, 3, .	3.6	4
39	Growing Fully Distributed Robust Topologies in a Sensor Network. Understanding Complex Systems, 2009, , 143-158.	0.6	3
40	Effect of topology on diversity of spatially-structured evolutionary algorithms. , 2011, , .		2
41	EFFECTS OF TRAFFIC PROPERTIES AND DEGREE HETEROGENEITY IN FLOW FLUCTUATIONS ON COMPLEX NETWORKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250170.	1.7	2
42	Framing in multiple public goods games and donation to charities. Royal Society Open Science, 2021, 8, 202117.	2.4	2
43	A Complex Systemâ€™s View of Critical Infrastructures. , 2008, , 241-260.		2
44	Soft Computing Techniques for Internet Backbone Traffic Anomaly Detection. Lecture Notes in Computer Science, 2009, , 99-104.	1.3	2
45	Interdependency Effects Measured on Complex Interdependent Networks. , 2010, , .		0
46	Quantifying the drivers behind collective attention in information ecosystems. Journal of Physics Complexity, 0, , .	2.2	0