

Vincenzo Nicosia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7485424/publications.pdf>

Version: 2024-02-01

62
papers

4,396
citations

201674

27
h-index

161849

54
g-index

67
all docs

67
docs citations

67
times ranked

3933
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	Optimizing the mitigation of epidemic spreading through targeted adoption of contact tracing apps. <i>Physical Review Research</i> , 2022, 4, .	3.6	3
3	First-passage times to quantify and compare structural correlations and heterogeneity in complex systems. <i>Communications Physics</i> , 2021, 4, .	5.3	18
4	Diffusion segregation and the disproportionate incidence of COVID-19 in African American communities. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20200961.	3.4	14
5	Algorithmic Complexity of Multiplex Networks. <i>Physical Review X</i> , 2020, 10, .	8.9	10
6	Online visibility graphs: Encoding visibility in a binary search tree. <i>Physical Review Research</i> , 2020, 2, .	3.6	7
7	Optimal percolation in correlated multilayer networks with overlap. <i>Physical Review Research</i> , 2020, 2, .	3.6	9
8	Pareto Optimality in Multilayer Network Growth. <i>Physical Review Letters</i> , 2018, 121, 128302.	7.8	9
9	Multiplex Decomposition of Non-Markovian Dynamics and the Hidden Layer Reconstruction Problem. <i>Physical Review X</i> , 2018, 8, .	8.9	16
10	Multilayer motif analysis of brain networks. <i>Chaos</i> , 2017, 27, 047404.	2.5	141
11	The new challenges of multiplex networks: Measures and models. <i>European Physical Journal: Special Topics</i> , 2017, 226, 401-416.	2.6	101
12	Collective Phenomena Emerging from the Interactions between Dynamical Processes in Multiplex Networks. <i>Physical Review Letters</i> , 2017, 118, 138302.	7.8	107
13	Layered social influence promotes multiculturalism in the Axelrod model. <i>Scientific Reports</i> , 2017, 7, 1809.	3.3	38
14	The Multiplex Dependency Structure of Financial Markets. <i>Complexity</i> , 2017, 2017, 1-13.	1.6	49
15	Spatio-Temporal Analysis of Micro Economic Activities in Rome Reveals Patterns of Mixed-Use Urban Evolution. <i>PLoS ONE</i> , 2016, 11, e0151681.	2.5	5
16	Irreducibility of multilayer network dynamics: the case of the voter model. <i>New Journal of Physics</i> , 2016, 18, 023010.	2.9	57
17	Efficient exploration of multiplex networks. <i>New Journal of Physics</i> , 2016, 18, 043035.	2.9	39
18	Interplay between consensus and coherence in a model of interacting opinions. <i>Physica D: Nonlinear Phenomena</i> , 2016, 323-324, 12-19.	2.8	19

#	ARTICLE	IF	CITATIONS
19	Emergence of Multiplex Communities in Collaboration Networks. PLoS ONE, 2016, 11, e0147451.	2.5	33
20	Measuring and modeling correlations in multiplex networks. Physical Review E, 2015, 92, 032805.	2.1	185
21	Network structure of multivariate time series. Scientific Reports, 2015, 5, 15508.	3.3	158
22	Hybrid recommendation methods in complex networks. Physical Review E, 2015, 92, 012811.	2.1	24
23	Structural reducibility of multilayer networks. Nature Communications, 2015, 6, 6864.	12.8	400
24	Nonparametric resampling of random walks for spectral network clustering. Physical Review E, 2014, 89, 012802.	2.1	14
25	Nonlinear growth and condensation in multiplex networks. Physical Review E, 2014, 90, 042807.	2.1	38
26	Evolutionary dynamics of time-resolved social interactions. Physical Review E, 2014, 90, 052825.	2.1	38
27	Assessment of Urban Ecosystem Resilience through Hybrid Social-Physical Complex Networks. Computer-Aided Civil and Infrastructure Engineering, 2014, 29, 608-625.	9.8	76
28	Characteristic exponents of complex networks. Europhysics Letters, 2014, 106, 58005.	2.0	27
29	Characteristic times of biased random walks on complex networks. Physical Review E, 2014, 89, 012803.	2.1	67
30	Structural measures for multiplex networks. Physical Review E, 2014, 89, 032804.	2.1	517
31	Social Cohesion, Structural Holes, and a Tale of Two Measures. Journal of Statistical Physics, 2013, 151, 745-764.	1.2	43
32	Growing Multiplex Networks. Physical Review Letters, 2013, 111, 058701.	7.8	234
33	Remote Synchronization Reveals Network Symmetries and Functional Modules. Physical Review Letters, 2013, 110, 174102.	7.8	209
34	Social and place-focused communities in location-based online social networks. European Physical Journal B, 2013, 86, 1.	1.5	20
35	Motion-induced synchronization in metapopulations of mobile agents. Physical Review E, 2013, 87, .	2.1	15
36	Co-evolution of networks and quantum dynamics: a generalization of preferential attachment. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P08016.	2.3	2

#	ARTICLE	IF	CITATIONS
37	Phase transition in the economically modeled growth of a cellular nervous system. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7880-7885.	7.1	67
38	Graph Metrics for Temporal Networks. Understanding Complex Systems, 2013, , 15-40.	0.6	159
39	Applications of Temporal Graph Metrics to Real-World Networks. Understanding Complex Systems, 2013, , 135-159.	0.6	23
40	The importance of being placefriends. , 2012, , .		24
41	Elementary processes governing the evolution of road networks. Scientific Reports, 2012, 2, 296.	3.3	230
42	Controlling centrality in complex networks. Scientific Reports, 2012, 2, 218.	3.3	60
43	Components in time-varying graphs. Chaos, 2012, 22, 023101.	2.5	94
44	Maximal-entropy random walks in complex networks with limited information. Physical Review E, 2011, 83, 030103.	2.1	94
45	Impact of network structure on a model of diffusion and competitive interaction. Europhysics Letters, 2011, 94, 68009.	2.0	18
46	Flexible Robot Strategy Design Using Belief-Desire-Intention Model. Communications in Computer and Information Science, 2011, , 57-71.	0.5	6
47	An adaptive overlay network inspired by social behaviour. Journal of Parallel and Distributed Computing, 2010, 70, 282-295.	4.1	15
48	Analysing information flows and key mediators through temporal centrality metrics. , 2010, , .		114
49	Defecting or Not Defecting: How to Read Human Behavior during Cooperative Games by EEG Measurements. PLoS ONE, 2010, 5, e14187.	2.5	151
50	Extending the definition of modularity to directed graphs with overlapping communities. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P03024.	2.3	296
51	Emerging structures of P2P networks induced by social relationships. Computer Communications, 2008, 31, 620-628.	5.1	16
52	Applying Social Behaviours to Model Trusting. Studies in Computational Intelligence, 2008, , 105-114.	0.9	3
53	Towards hard real-time erlang. , 2007, , .		6
54	The Agreement Utopia. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
55	An Approach to Trust Based on Social Networks. , 2007, , 50-61.		2
56	On robustness and self-adaptiveness of a socially inspired P2P network. , 2007, , .		1
57	Social Behaviours in P2P Systems: An Efficient Algorithm for Resource Organisation. , 2006, , .		9
58	Self-Organisation of Resources in PROSA P2P Network. Lecture Notes in Computer Science, 2006, , 171-174.	1.3	3
59	Evaluating the Dynamic Behaviour of PROSA P2P Network. Lecture Notes in Computer Science, 2006, , 904-915.	1.3	4
60	Efficient Searching and Retrieval of Documents in PROSA. , 2006, , 298-309.		4
61	PROSA: P2P Resource Organisation by Social Acquaintances. Lecture Notes in Computer Science, 2006, , 135-142.	1.3	6
62	Evolutionary Dynamics of Time-Resolved Social Interactions. SSRN Electronic Journal, 0, , .	0.4	0