

Vito Latora

List of Publications by Year in descending order

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218
papers

32,532
citations

10351

72
h-index

4203

174
g-index

232
all docs

232
docs citations

232
times ranked

19889
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex networks: Structure and dynamics. <i>Physics Reports</i> , 2006, 424, 175-308.	10.3	8,661
2	Efficient Behavior of Small-World Networks. <i>Physical Review Letters</i> , 2001, 87, 198701.	2.9	3,924
3	Model for cascading failures in complex networks. <i>Physical Review E</i> , 2004, 69, 045104.	0.8	873
4	Networks beyond pairwise interactions: Structure and dynamics. <i>Physics Reports</i> , 2020, 874, 1-92.	10.3	661
5	Economic small-world behavior in weighted networks. <i>European Physical Journal B</i> , 2003, 32, 249-263.	0.6	606
6	Modeling cascading failures in the North American power grid. <i>European Physical Journal B</i> , 2005, 46, 101-107.	0.6	535
7	The Network Analysis of Urban Streets: A Primal Approach. <i>Environment and Planning B: Planning and Design</i> , 2006, 33, 705-725.	1.7	523
8	The network analysis of urban streets: A dual approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 369, 853-866.	1.2	522
9	Structural measures for multiplex networks. <i>Physical Review E</i> , 2014, 89, 032804.	0.8	517
10	Is the Boston subway a small-world network?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 314, 109-113.	1.2	469
11	Centrality measures in spatial networks of urban streets. <i>Physical Review E</i> , 2006, 73, 036125.	0.8	468
12	Structural reducibility of multilayer networks. <i>Nature Communications</i> , 2015, 6, 6864.	5.8	400
13	Error and attack tolerance of complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 340, 388-394.	1.2	382
14	Efficiency of scale-free networks: error and attack tolerance. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 320, 622-642.	1.2	379
15	A topological analysis of the Italian electric power grid. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 338, 92-97.	1.2	375
16	Simplicial models of social contagion. <i>Nature Communications</i> , 2019, 10, 2485.	5.8	367
17	Street Centrality and Densities of Retail and Services in Bologna, Italy. <i>Environment and Planning B: Planning and Design</i> , 2009, 36, 450-465.	1.7	310
18	Vulnerability and protection of infrastructure networks. <i>Physical Review E</i> , 2005, 71, 015103.	0.8	296

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19	The physics of higher-order interactions in complex systems. <i>Nature Physics</i> , 2021, 17, 1093-1098.	6.5	287
20	Non-Gaussian equilibrium in a long-range Hamiltonian system. <i>Physical Review E</i> , 2001, 64, 056134.	0.8	286
21	A measure of centrality based on network efficiency. <i>New Journal of Physics</i> , 2007, 9, 188-188.	1.2	281
22	Harmony in the small-world. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 285, 539-546.	1.2	242
23	Structural properties of planar graphs of urban street patterns. <i>Physical Review E</i> , 2006, 73, 066107.	0.8	242
24	Centrality in networks of urban streets. <i>Chaos</i> , 2006, 16, 015113.	1.0	238
25	Growing Multiplex Networks. <i>Physical Review Letters</i> , 2013, 111, 058701.	2.9	234
26	Method to find community structures based on information centrality. <i>Physical Review E</i> , 2004, 70, 056104.	0.8	230
27	Small-world behavior in time-varying graphs. <i>Physical Review E</i> , 2010, 81, 055101.	0.8	230
28	Elementary processes governing the evolution of road networks. <i>Scientific Reports</i> , 2012, 2, 296.	1.6	230
29	Effects of mobility in a population of prisoner's dilemma players. <i>Physical Review E</i> , 2009, 79, 067101.	0.8	226
30	Evolutionary dynamics of higher-order interactions in social networks. <i>Nature Human Behaviour</i> , 2021, 5, 586-595.	6.2	222
31	Functional Modularity of Background Activities in Normal and Epileptic Brain Networks. <i>Physical Review Letters</i> , 2010, 104, 118701.	2.9	215
32	Street Centrality and the Location of Economic Activities in Barcelona. <i>Urban Studies</i> , 2012, 49, 1471-1488.	2.2	210
33	Remote Synchronization Reveals Network Symmetries and Functional Modules. <i>Physical Review Letters</i> , 2013, 110, 174102.	2.9	209
34	Detecting complex network modularity by dynamical clustering. <i>Physical Review E</i> , 2007, 75, 045102.	0.8	194
35	Enhancement of cooperation in highly clustered scale-free networks. <i>Physical Review E</i> , 2008, 78, 017101.	0.8	189
36	Measuring and modeling correlations in multiplex networks. <i>Physical Review E</i> , 2015, 92, 032805.	0.8	185

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37	Kolmogorov-Sinai Entropy Rate versus Physical Entropy. Physical Review Letters, 1999, 82, 520-523.	2.9	171
38	How the science of complex networks can help developing strategies against terrorism. Chaos, Solitons and Fractals, 2004, 20, 69-75.	2.5	169
39	NextPlace: A Spatio-temporal Prediction Framework for Pervasive Systems. Lecture Notes in Computer Science, 2011, , 152-169.	1.0	161
40	Superdiffusion and Out-of-Equilibrium Chaotic Dynamics with Many Degrees of Freedoms. Physical Review Letters, 1999, 83, 2104-2107.	2.9	160
41	Graph Metrics for Temporal Networks. Understanding Complex Systems, 2013, , 15-40.	0.3	159
42	Network structure of multivariate time series. Scientific Reports, 2015, 5, 15508.	1.6	158
43	Dynamically induced cascading failures in power grids. Nature Communications, 2018, 9, 1975.	5.8	156
44	Lyapunov Instability and Finite Size Effects in a System with Long-Range Forces. Physical Review Letters, 1998, 80, 692-695.	2.9	154
45	Defecting or Not Defecting: How to Read Human Behavior during Cooperative Games by EEG Measurements. PLoS ONE, 2010, 5, e14187.	1.1	151
46	Entropy rate of diffusion processes on complex networks. Physical Review E, 2008, 78, 065102.	0.8	150
47	VECTOR OPINION DYNAMICS IN A BOUNDED CONFIDENCE CONSENSUS MODEL. International Journal of Modern Physics C, 2005, 16, 1535-1551.	0.8	143
48	Multilayer motif analysis of brain networks. Chaos, 2017, 27, 047404.	1.0	141
49	Temporal distance metrics for social network analysis. , 2009, , .		128
50	Power-Law Time Distribution of Large Earthquakes. Physical Review Letters, 2003, 90, 188501.	2.9	125
51	Analysis of self-organized criticality in the Olami-Feder-Christensen model and in real earthquakes. Physical Review E, 2007, 75, 055101.	0.8	124
52	The rate of entropy increase at the edge of chaos. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 273, 97-103.	0.9	121
53	Stability of synchronization in simplicial complexes. Nature Communications, 2021, 12, 1255.	5.8	117
54	Analysing information flows and key mediators through temporal centrality metrics. , 2010, , .		114

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55	Collective Phenomena Emerging from the Interactions between Dynamical Processes in Multiplex Networks. <i>Physical Review Letters</i> , 2017, 118, 138302.	2.9	107
56	LOCATING CRITICAL LINES IN HIGH-VOLTAGE ELECTRICAL POWER GRIDS. <i>Fluctuation and Noise Letters</i> , 2005, 05, L201-L208.	1.0	104
57	Characterising temporal distance and reachability in mobile and online social networks. <i>Computer Communication Review</i> , 2010, 40, 118-124.	1.5	101
58	The new challenges of multiplex networks: Measures and models. <i>European Physical Journal: Special Topics</i> , 2017, 226, 401-416.	1.2	101
59	Understanding mobility in a social petri dish. <i>Scientific Reports</i> , 2012, 2, 457.	1.6	100
60	CHANGING OPINIONS IN A CHANGING WORLD: A NEW PERSPECTIVE IN SOCIOPHYSICS. <i>International Journal of Modern Physics C</i> , 2005, 16, 515-531.	0.8	99
61	Scaling Breakdown in Flow Fluctuations on Complex Networks. <i>Physical Review Letters</i> , 2008, 100, 208701.	2.9	97
62	Determinants of public cooperation in multiplex networks. <i>New Journal of Physics</i> , 2017, 19, 073017.	1.2	95
63	Fingerprints of nonextensive thermodynamics in a long-range Hamiltonian system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 305, 129-136.	1.2	94
64	Spreading of sexually transmitted diseases in heterosexual populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1399-1404.	3.3	94
65	Maximal-entropy random walks in complex networks with limited information. <i>Physical Review E</i> , 2011, 83, 030103.	0.8	94
66	Components in time-varying graphs. <i>Chaos</i> , 2012, 22, 023101.	1.0	94
67	Characterization of hunter-gatherer networks and implications for cumulative culture. <i>Nature Human Behaviour</i> , 2017, 1, .	6.2	91
68	A Topological Criterion for Filtering Information in Complex Brain Networks. <i>PLoS Computational Biology</i> , 2017, 13, e1005305.	1.5	89
69	Network Dynamics of Innovation Processes. <i>Physical Review Letters</i> , 2018, 120, 048301.	2.9	83
70	Urban Street Networks, a Comparative Analysis of Ten European Cities. <i>Environment and Planning B: Planning and Design</i> , 2013, 40, 1071-1086.	1.7	82
71	Disease spreading in populations of moving agents. <i>Europhysics Letters</i> , 2008, 82, 38002.	0.7	79
72	Assessment of Urban Ecosystem Resilience through Hybrid Social-Physical Complex Networks. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2014, 29, 608-625.	6.3	76

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73	Critical evolution of a finite system. <i>Physical Review C</i> , 1995, 52, 271-285.	1.1	75
74	Compromise and synchronization in opinion dynamics. <i>European Physical Journal B</i> , 2006, 50, 169-176.	0.6	75
75	Emergence of structural patterns out of synchronization in networks with competitive interactions. <i>Scientific Reports</i> , 2011, 1, 99.	1.6	73
76	Emerging Meso- and Macroscales from Synchronization of Adaptive Networks. <i>Physical Review Letters</i> , 2011, 107, 234103.	2.9	73
77	The backbone of a city. <i>European Physical Journal B</i> , 2006, 50, 221-225.	0.6	71
78	Selfishness, Altruism and Message Spreading in Mobile Social Networks. , 2009, , .		69
79	Phase transition in the economically modeled growth of a cellular nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7880-7885.	3.3	67
80	Characteristic times of biased random walks on complex networks. <i>Physical Review E</i> , 2014, 89, 012803.	0.8	67
81	Multiple centrality assessment in Parma: a network analysis of paths and open spaces. <i>Urban Design International</i> , 2008, 13, 41-50.	1.3	66
82	Traffic optimization in transport networks based on local routing. <i>European Physical Journal B</i> , 2010, 73, 303-308.	0.6	66
83	Hunter-gatherer multilevel sociality accelerates cumulative cultural evolution. <i>Science Advances</i> , 2020, 6, eaax5913.	4.7	66
84	Dynamics of Instabilities and Intermittency. <i>Physical Review Letters</i> , 1994, 73, 1765-1768.	2.9	64
85	Flow graphs: Interweaving dynamics and structure. <i>Physical Review E</i> , 2011, 84, 017102.	0.8	64
86	OPINION FORMATION MODELS BASED ON GAME THEORY. <i>International Journal of Modern Physics C</i> , 2007, 18, 1377-1395.	0.8	62
87	Multiscale vulnerability of complex networks. <i>Chaos</i> , 2007, 17, 043110.	1.0	62
88	Chaos and statistical mechanics in the Hamiltonian mean field model. <i>Physica D: Nonlinear Phenomena</i> , 1999, 131, 38-54.	1.3	61
89	The Ultimatum Game in complex networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P09012.	0.9	61
90	Controlling centrality in complex networks. <i>Scientific Reports</i> , 2012, 2, 218.	1.6	60

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91	Anatomy of funded research in science. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14760-14765.	3.3	60
92	Irreducibility of multilayer network dynamics: the case of the voter model. New Journal of Physics, 2016, 18, 023010.	1.2	57
93	LÃ©vy scaling: The diffusion entropy analysis applied to DNA sequences. Physical Review E, 2002, 66, 031906.	0.8	51
94	The Multiplex Dependency Structure of Financial Markets. Complexity, 2017, 2017, 1-13.	0.9	49
95	Opinion dynamics and synchronization in a network of scientific collaborations. Physica A: Statistical Mechanics and Its Applications, 2006, 372, 316-325.	1.2	48
96	Circumstantial Evidence for Critical Behavior in Peripheral Au+Au Collisions at 35 MeV/nucleon. Physical Review Letters, 1996, 76, 2646-2649.	2.9	47
97	Synchronization properties of network motifs. Europhysics Letters, 2007, 78, 28001.	0.7	47
98	Universal Behavior of Lyapunov Exponents in Unstable Systems. Physical Review Letters, 1995, 75, 3434-3437.	2.9	46
99	Mobility and Congestion in Dynamical Multilayer Networks with Finite Storage Capacity. Physical Review Letters, 2018, 120, 068301.	2.9	44
100	Metastable states, anomalous distributions and correlations in the HMF model. Physica D: Nonlinear Phenomena, 2004, 193, 315-328.	1.3	43
101	Social Cohesion, Structural Holes, and a Tale of Two Measures. Journal of Statistical Physics, 2013, 151, 745-764.	0.5	43
102	Persistent patterns of interconnection in time-varying cortical networks estimated from high-resolution EEG recordings in humans during a simple motor act. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 224014.	0.7	41
103	Emergent explosive synchronization in adaptive complex networks. Physical Review E, 2018, 97, 042301.	0.8	41
104	Distributed Control of Synchronization of a Group of Network Nodes. IEEE Transactions on Automatic Control, 2019, 64, 365-372.	3.6	41
105	Efficient exploration of multiplex networks. New Journal of Physics, 2016, 18, 043035.	1.2	39
106	Multiplex core-periphery organization of the human connectome. Journal of the Royal Society Interface, 2018, 15, 20180514.	1.5	39
107	Quantifying the relevance of different mediators in the human immune cell network. Bioinformatics, 2005, 21, 1639-1643.	1.8	38
108	Nonlinear growth and condensation in multiplex networks. Physical Review E, 2014, 90, 042807.	0.8	38

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109	Evolutionary dynamics of time-resolved social interactions. <i>Physical Review E</i> , 2014, 90, 052825.	0.8	38
110	Layered social influence promotes multiculturalism in the Axelrod model. <i>Scientific Reports</i> , 2017, 7, 1809.	1.6	38
111	Networks of Motifs from Sequences of Symbols. <i>Physical Review Letters</i> , 2010, 105, 178702.	2.9	33
112	COMPLEX NETWORKS: NEW TRENDS FOR THE ANALYSIS OF BRAIN CONNECTIVITY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 1677-1686.	0.7	33
113	Unified treatment of synchronization patterns in generalized networks with higher-order, multilayer, and temporal interactions. <i>Communications Physics</i> , 2021, 4, .	2.0	33
114	Emergence of Multiplex Communities in Collaboration Networks. <i>PLoS ONE</i> , 2016, 11, e0147451.	1.1	33
115	Network of sexual contacts and sexually transmitted HIV infection in Burkina Faso. <i>Journal of Medical Virology</i> , 2006, 78, 724-729.	2.5	32
116	Homophily and missing links in citation networks. <i>EPJ Data Science</i> , 2016, 5, 7.	1.5	32
117	Predicting success in the worldwide start-up network. <i>Scientific Reports</i> , 2020, 10, 345.	1.6	32
118	Chaotic dynamics and superdiffusion in a Hamiltonian system with many degrees of freedom. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 280, 81-86.	1.2	31
119	Glassy phase in the Hamiltonian mean-field model. <i>Physical Review E</i> , 2004, 69, 056113.	0.8	30
120	Second order phase transitions: from infinite to finite systems. <i>Nuclear Physics A</i> , 1996, 600, 236-250.	0.6	28
121	Dynamical organization towards consensus in the Axelrod model on complex networks. <i>Physical Review E</i> , 2010, 81, 056105.	0.8	28
122	A dynamic approach merging network theory and credit risk techniques to assess systemic risk in financial networks. <i>Scientific Reports</i> , 2018, 8, 5561.	1.6	28
123	The Hamiltonian Mean Field Model: From Dynamics to Statistical Mechanics and Back. <i>Lecture Notes in Physics</i> , 2002, , 458-487.	0.3	28
124	A topological analysis of scientific coauthorship networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 372, 333-339.	1.2	27
125	Olami-Feder-Christensen model on different networks. <i>European Physical Journal B</i> , 2006, 50, 243-247.	0.6	27
126	Characteristic exponents of complex networks. <i>Europhysics Letters</i> , 2014, 106, 58005.	0.7	27

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127	Evolutionary Game Model of Group Choice Dilemmas on Hypergraphs. <i>Physical Review Letters</i> , 2021, 127, 268301.	2.9	27
128	Searching for instabilities in nuclear dynamics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 307, 273-277.	1.5	26
129	Dynamics and thermodynamics of a model with long-range interactions. <i>Continuum Mechanics and Thermodynamics</i> , 2004, 16, 245-255.	1.4	26
130	Sharp transitions in nuclear dynamics: Limits to collectivity and stability. <i>Progress in Particle and Nuclear Physics</i> , 1993, 30, 17-43.	5.6	25
131	Exploiting temporal complex network metrics in mobile malware containment. , 2011, , .		25
132	Influential groups for seeding and sustaining nonlinear contagion in heterogeneous hypergraphs. <i>Communications Physics</i> , 2022, 5, .	2.0	25
133	Hybrid recommendation methods in complex networks. <i>Physical Review E</i> , 2015, 92, 012811.	0.8	24
134	Effects of memory on spreading processes in non-Markovian temporal networks. <i>New Journal of Physics</i> , 2019, 21, 043028.	1.2	24
135	Network isolators inhibit failure spreading in complex networks. <i>Nature Communications</i> , 2021, 12, 3143.	5.8	24
136	Time evolution of thermodynamic entropy for conservative and dissipative chaotic maps. <i>Chaos, Solitons and Fractals</i> , 2002, 13, 471-478.	2.5	23
137	Glassy dynamics in the HMF model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 340, 187-195.	1.2	23
138	Impact of altruism on opportunistic communications. , 2009, , .		23
139	Applications of Temporal Graph Metrics to Real-World Networks. <i>Understanding Complex Systems</i> , 2013, , 135-159.	0.3	23
140	Detecting nuclear multifragmentation. <i>Nuclear Physics A</i> , 1994, 572, 477-488.	0.6	22
141	An activeâ€radioâ€frequencyâ€identification system capable of identifying coâ€locations and socialâ€structure: Validation with a wild freeâ€ranging animal. <i>Methods in Ecology and Evolution</i> , 2017, 8, 1822-1831.	2.2	22
142	Quantifying and predicting success in show business. <i>Nature Communications</i> , 2019, 10, 2256.	5.8	22
143	Networks in Urban Design. Six Years ofÂResearch inÂMultiple Centrality Assessment. , 2010, , 107-129.		22
144	Searching for the nuclear liquid-gas phase transition in Au+Au collisions at 35 MeV/nucleon. <i>Physical Review C</i> , 1996, 54, 2435-2444.	1.1	20

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145	Explosive transitions induced by interdependent contagion-consensus dynamics in multiplex networks. <i>Physical Review E</i> , 2019, 99, 062311.	0.8	20
146	Interdisciplinary researchers attain better long-term funding performance. <i>Communications Physics</i> , 2021, 4, .	2.0	20
147	Interplay between consensus and coherence in a model of interacting opinions. <i>Physica D: Nonlinear Phenomena</i> , 2016, 323-324, 12-19.	1.3	19
148	The evolution of knowledge within and across fields in modern physics. <i>Scientific Reports</i> , 2020, 10, 12097.	1.6	19
149	Impact of network structure on a model of diffusion and competitive interaction. <i>Europhysics Letters</i> , 2011, 94, 68009.	0.7	18
150	Interacting Discovery Processes on Complex Networks. <i>Physical Review Letters</i> , 2020, 125, 248301.	2.9	18
151	Novel Scaling of Multiplicity Distributions in Sequential-Fragmentation and Percolation Processes. <i>Physical Review Letters</i> , 1997, 78, 4593-4596.	2.9	17
152	LÃ©vy statistics in coding and non-coding nucleotide sequences. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 299, 565-570.	0.9	17
153	Dynamical anomalies and the role of initial conditions in the HMF model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 338, 60-67.	1.2	17
154	GROWING HIERARCHICAL SCALE-FREE NETWORKS BY MEANS OF NONHIERARCHICAL PROCESSES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 2447-2452.	0.7	15
155	Motion-induced synchronization in metapopulations of mobile agents. <i>Physical Review E</i> , 2013, 87, .	0.8	15
156	Chaos in the Thermodynamic Limit. <i>Progress of Theoretical Physics Supplement</i> , 2000, 139, 204-213.	0.2	14
157	Nonparametric resampling of random walks for spectral network clustering. <i>Physical Review E</i> , 2014, 89, 012802.	0.8	14
158	Nonextensivity: From Low-Dimensional Maps to Hamiltonian Systems. <i>Lecture Notes in Physics</i> , 2002, , 140-162.	0.3	14
159	Dynamical quasi-stationary states in a system with long-range forces. <i>Chaos, Solitons and Fractals</i> , 2002, 13, 401-406.	2.5	13
160	Reactive random walkers on complex networks. <i>Physical Review E</i> , 2018, 98, .	0.8	13
161	Dynamics of unstable matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 326, 21-26.	1.5	12
162	Neck instabilities in deep inelastic collisions at medium energies. <i>Nuclear Physics A</i> , 1995, 583, 525-530.	0.6	12

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163	Lack of practical identifiability may hamper reliable predictions in COVID-19 epidemic models. <i>Science Advances</i> , 2022, 8, eabg5234.	4.7	12
164	A fractal approach to the temporal distribution of microseismicity at the low eastern flank of Mt. Etna during 1989–1994. <i>Physics of the Earth and Planetary Interiors</i> , 1998, 109, 115-127.	0.7	11
165	MULTIFRACTAL ANALYSIS OF MOUNT St. HELENS SEISMICITY AS A TOOL FOR IDENTIFYING ERUPTIVE ACTIVITY. <i>Fractals</i> , 2006, 14, 179-186.	1.8	11
166	On Nonstationarity of Human Contact Networks. , 2010, , .		11
167	Travel time analysis in the Chinese coupled aviation and high-speed rail network. <i>Chaos, Solitons and Fractals</i> , 2020, 139, 109973.	2.5	11
168	Predicting urban innovation from the US Workforce Mobility Network. <i>Humanities and Social Sciences Communications</i> , 2021, 8, .	1.3	11
169	The shape of memory in temporal networks. <i>Nature Communications</i> , 2022, 13, 499.	5.8	11
170	Microscopic dynamics of a phase transition: equilibrium vs out-of-equilibrium regime. <i>Nuclear Physics A</i> , 2001, 681, 406-413.	0.6	10
171	CLUSTER STRUCTURE OF FUNCTIONAL NETWORKS ESTIMATED FROM HIGH-RESOLUTION EEG DATA. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 665-676.	0.7	10
172	EFFECTS OF MOTION ON EPIDEMIC SPREADING. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 765-773.	0.7	10
173	Fast detection of nonlinearity and nonstationarity in short and noisy time series. <i>Europhysics Letters</i> , 2010, 91, 30005.	0.7	10
174	Nonlinear walkers and efficient exploration of congested networks. <i>Physical Review Research</i> , 2020, 2, .	1.3	10
175	Identifying and discriminating seismic patterns leading flank eruptions at Mt. Etna Volcano during 1981–1996. <i>Journal of Volcanology and Geothermal Research</i> , 2001, 106, 211-228.	0.8	9
176	Pareto Optimality in Multilayer Network Growth. <i>Physical Review Letters</i> , 2018, 121, 128302.	2.9	9
177	Identifying seismicity patterns leading flank eruptions at Mt. Etna Volcano during 1981-1996. <i>Geophysical Research Letters</i> , 1999, 26, 2105-2108.	1.5	8
178	Complex Networks: from Biology to Information Technology. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 220301.	0.7	8
179	Social synchronization of brain activity increases during eye-contact. <i>Communications Biology</i> , 2022, 5, 412.	2.0	8
180	Fragmentation in medium energy heavy-ion collisions. <i>Nuclear Physics A</i> , 1992, 545, 111-122.	0.6	7

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181	Effective spin-glass Hamiltonian for the anomalous dynamics of the HMF model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 370, 573-584.	1.2	7
182	Node Accessibility in Cortical Networks During Motor Tasks. <i>Neuroinformatics</i> , 2013, 11, 355-366.	1.5	7
183	A game theory model to explore the role of cooperation and diversity in community food security: the case of Southern Malawi. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	7
184	Multilayer modeling of adoption dynamics in energy demand management. <i>Chaos</i> , 2020, 30, 013153.	1.0	7
185	Handbook on Biological Networks. <i>World Scientific Lecture Notes in Complex Systems</i> , 2009, , .	0.1	7
186	Intermittency in the Fisher's droplet model. <i>Zeitschrift für Physik A</i> , 1995, 352, 145-148.	0.9	6
187	Dynamical efficiency for multimodal time-varying transportation networks. <i>Scientific Reports</i> , 2021, 11, 23065.	1.6	6
188	Sensitivity to the impact parameter of the multiparticle decay at intermediate energy. <i>Physical Review C</i> , 1994, 50, 2930-2934.	1.1	5
189	Time Correlation Analysis of the Microseismicity of the Low Eastern Flank of Mt. Etna Volcano (Italy). <i>Pure and Applied Geophysics</i> , 1998, 152, 165-174.	0.8	5
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