

Yamir Moreno

List of Publications by Year in descending order

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Version: 2024-02-01

252
papers

32,244
citations

15001

68
h-index

4853

174
g-index

275
all docs

275
docs citations

275
times ranked

19618
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling how social network algorithms can influence opinion polarization. Information Sciences, 2022, 588, 265-278.	4.0	22
2	Indirect influence in social networks as an induced percolation phenomenon. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	4
3	Epidemic spreading in populations of mobile agents with adaptive behavioral response. Chaos, Solitons and Fractals, 2022, 156, 111849.	2.5	7
4	Modeling the effects of social distancing on the large-scale spreading of diseases. Epidemics, 2022, 38, 100544.	1.5	5
5	Are People Optimistically Biased about the Risk of COVID-19 Infection? Lessons from the First Wave of the Pandemic in Europe. International Journal of Environmental Research and Public Health, 2022, 19, 436.	1.2	31
6	A Need for a Paradigm Shift in Healthy Nutrition Research. Frontiers in Nutrition, 2022, 9, 881465.	1.6	9
7	The rise and fall of countries in the global value chains. Scientific Reports, 2022, 12, .	1.6	4
8	Impact of vaccine hesitancy on secondary COVID-19 outbreaks in the US: an age-structured SIR model. BMC Infectious Diseases, 2022, 22, .	1.3	9
9	From subcritical behavior to a correlation-induced transition in rumor models. Nature Communications, 2022, 13, .	5.8	10
10	Cooperation in costly-access environments. New Journal of Physics, 2022, 24, 083005.	1.2	5
11	Quantifying the importance and location of SARS-CoV-2 transmission events in large metropolitan areas. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	35
12	Modeling the impact of COVID-19 on future tuberculosis burden. Communications Medicine, 2022, 2, .	1.9	9
13	Unique superdiffusion induced by directionality in multiplex networks. New Journal of Physics, 2021, 23, 013016.	1.2	8
14	Phase transitions and stability of dynamical processes on hypergraphs. Communications Physics, 2021, 4, .	2.0	50
15	Role of time scale in the spreading of asymmetrically interacting diseases. Physical Review Research, 2021, 3, .	1.3	10
16	Prediction of new scientific collaborations through multiplex networks. EPJ Data Science, 2021, 10, .	1.5	10
17	Framing in multiple public goods games and donation to charities. Royal Society Open Science, 2021, 8, 202117.	1.1	2
18	Polarization inhibits the phase transition of Axelrod's model. Physical Review E, 2021, 103, 062306.	0.8	1

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19	Evolutionary dynamics of higher-order interactions in social networks. <i>Nature Human Behaviour</i> , 2021, 5, 586-595.	6.2	222
20	The physics of higher-order interactions in complex systems. <i>Nature Physics</i> , 2021, 17, 1093-1098.	6.5	287
21	Statistical properties of mutualistic-competitive random networks. <i>Chaos, Solitons and Fractals</i> , 2021, 153, 111504.	2.5	2
22	Impact of data accuracy on the evaluation of COVID-19 mitigation policies. <i>Data & Policy</i> , 2021, 3, .	1.0	12
23	Focus on multilayer networks. <i>New Journal of Physics</i> , 2020, 22, 010201.	1.2	21
24	Centrality anomalies in complex networks as a result of model over-simplification. <i>New Journal of Physics</i> , 2020, 22, 013043.	1.2	13
25	A data-driven assessment of early travel restrictions related to the spreading of the novel COVID-19 within mainland China. <i>Chaos, Solitons and Fractals</i> , 2020, 139, 110068.	2.5	41
26	Data-driven contact structures: From homogeneous mixing to multilayer networks. <i>PLoS Computational Biology</i> , 2020, 16, e1008035.	1.5	21
27	Impact of intra and inter-cluster coupling balance on the performance of nonlinear networked systems. <i>Chaos, Solitons and Fractals</i> , 2020, 139, 110065.	2.5	3
28	Effect of network topology and node centrality on trading. <i>Scientific Reports</i> , 2020, 10, 11113.	1.6	10
29	Measuring nestedness: A comparative study of the performance of different metrics. <i>Ecology and Evolution</i> , 2020, 10, 11906-11921.	0.8	16
30	Modelling the impact of testing, contact tracing and household quarantine on second waves of COVID-19. <i>Nature Human Behaviour</i> , 2020, 4, 964-971.	6.2	605
31	Behavioural patterns behind the demise of the commons across different cultures. <i>Royal Society Open Science</i> , 2020, 7, 201026.	1.1	3
32	Disease and information spreading at different speeds in multiplex networks. <i>Physical Review E</i> , 2020, 102, 022312.	0.8	26
33	Evaluation of the potential incidence of COVID-19 and effectiveness of containment measures in Spain: a data-driven approach. <i>BMC Medicine</i> , 2020, 18, 157.	2.3	59
34	Effect of memory, intolerance, and second-order reputation on cooperation. <i>Chaos</i> , 2020, 30, 063122.	1.0	35
35	Quantifying uncertainty in a predictive model for popularity dynamics. <i>Physical Review E</i> , 2020, 101, 062311.	0.8	5
36	A novel route to cyclic dominance in voluntary social dilemmas. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20190789.	1.5	40

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37	Phase transitions in information spreading on structured populations. <i>Nature Physics</i> , 2020, 16, 590-596.	6.5	53
38	Dynamics of heuristics selection for cooperative behaviour. <i>New Journal of Physics</i> , 2020, 22, 123037.	1.2	4
39	Impact of the distribution of recovery rates on disease spreading in complex networks. <i>Physical Review Research</i> , 2020, 2, .	1.3	23
40	Collective dynamics of random Janus oscillator networks. <i>Physical Review Research</i> , 2020, 2, .	1.3	6
41	Social contagion models on hypergraphs. <i>Physical Review Research</i> , 2020, 2, .	1.3	112
42	Link prediction in multiplex networks via triadic closure. <i>Physical Review Research</i> , 2020, 2, .	1.3	16
43	Understanding drivers when investing for impact: an experimental study. <i>Palgrave Communications</i> , 2020, 6, .	4.7	5
44	Universality of eigenvector delocalization and the nature of the SIS phase transition in multiplex networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 103405.	0.9	2
45	Data-driven contact structures: From homogeneous mixing to multilayer networks. , 2020, 16, e1008035.		0
46	Data-driven contact structures: From homogeneous mixing to multilayer networks. , 2020, 16, e1008035.		0
47	Data-driven contact structures: From homogeneous mixing to multilayer networks. , 2020, 16, e1008035.		0
48	Data-driven contact structures: From homogeneous mixing to multilayer networks. , 2020, 16, e1008035.		0
49	Layer degradation triggers an abrupt structural transition in multiplex networks. <i>Physical Review E</i> , 2019, 100, 012313.	0.8	3
50	Breaking the Spell of Nestedness: The Entropic Origin of Nestedness in Mutualistic Systems. <i>Physical Review X</i> , 2019, 9, .	2.8	31
51	The dynamics of collective social behavior in a crowd controlled game. <i>EPJ Data Science</i> , 2019, 8, .	1.5	12
52	Directionality reduces the impact of epidemics in multilayer networks. <i>New Journal of Physics</i> , 2019, 21, 093026.	1.2	3
53	Crash dynamics of interdependent networks. <i>Scientific Reports</i> , 2019, 9, 14574.	1.6	5
54	Onset of synchronization of Kuramoto oscillators in scale-free networks. <i>Physical Review E</i> , 2019, 100, 042302.	0.8	8

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55	Ten principles to integrate the water-energy-land nexus with climate services for co-producing local and regional integrated assessments. <i>Science of the Total Environment</i> , 2019, 693, 133662.	3.9	39
56	Analyzing a networked social algorithm for collective selection of representative committees. <i>PLoS ONE</i> , 2019, 14, e0222945.	1.1	0
57	Epidemic spreading with awareness and different timescales in multiplex networks. <i>Physical Review E</i> , 2019, 100, 032313.	0.8	44
58	Unsupervised extraction of epidemic syndromes from participatory influenza surveillance self-reported symptoms. <i>PLoS Computational Biology</i> , 2019, 15, e1006173.	1.5	20
59	Spreading of computer viruses on time-varying networks. <i>Physical Review E</i> , 2019, 99, 050303.	0.8	5
60	The nested structural organization of the worldwide trade multi-layer network. <i>Scientific Reports</i> , 2019, 9, 2866.	1.6	36
61	Topical Alignment in Online Social Systems. <i>Frontiers in Physics</i> , 2019, 7, .	1.0	7
62	Spectral and localization properties of random bipartite graphs. <i>Chaos, Solitons and Fractals: X</i> , 2019, 3, 100021.	1.0	9
63	Bridging the gap between efficacy trials and model-based impact evaluation for new tuberculosis vaccines. <i>Nature Communications</i> , 2019, 10, 5457.	5.8	6
64	Replicator population dynamics of group interactions: Broken symmetry, thresholds for metastability, and macroscopic behavior. <i>Physical Review E</i> , 2019, 100, 052307.	0.8	3
65	Multilayer Networks in a Nutshell. <i>Annual Review of Condensed Matter Physics</i> , 2019, 10, 45-62.	5.2	133
66	Structural transition in interdependent networks with regular interconnections. <i>Physical Review E</i> , 2019, 99, 012311.	0.8	1
67	Intergenerational cooperation within the household: a Public Good game with three generations. <i>Review of Economics of the Household</i> , 2019, 17, 535-552.	2.6	7
68	Explore with caution: mapping the evolution of scientific interest in physics. <i>EPJ Data Science</i> , 2019, 8, .	1.5	19
69	Analyzing a networked social algorithm for collective selection of representative committees. , 2019, 14, e0222945.		0
70	Analyzing a networked social algorithm for collective selection of representative committees. , 2019, 14, e0222945.		0
71	Analyzing a networked social algorithm for collective selection of representative committees. , 2019, 14, e0222945.		0
72	Analyzing a networked social algorithm for collective selection of representative committees. , 2019, 14, e0222945.		0

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73	A general Markov chain approach for disease and rumour spreading in complex networks. <i>Journal of Complex Networks</i> , 2018, 6, 215-242.	1.1	19
74	Data-driven model for the assessment of <i>Mycobacterium tuberculosis</i> transmission in evolving demographic structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3238-E3245.	3.3	36
75	The contagion effects of repeated activation in social networks. <i>Social Networks</i> , 2018, 54, 326-335.	1.3	26
76	Unfolding the Complexity of the Global Value Chain: Strength and Entropy in the Single-Layer, Multiplex, and Multi-Layer International Trade Networks. <i>Entropy</i> , 2018, 20, 909.	1.1	31
77	Weighted random-geometric and random-rectangular graphs: spectral and eigenfunction properties of the adjacency matrix. <i>Journal of Complex Networks</i> , 2018, 6, 753-766.	1.1	16
78	Measurability of the epidemic reproduction number in data-driven contact networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12680-12685.	3.3	199
79	A polynomial eigenvalue approach for multiplex networks. <i>New Journal of Physics</i> , 2018, 20, 095004.	1.2	8
80	Projecting social contact matrices to different demographic structures. <i>PLoS Computational Biology</i> , 2018, 14, e1006638.	1.5	48
81	Resource heterogeneity leads to unjust effort distribution in climate change mitigation. <i>PLoS ONE</i> , 2018, 13, e0204369.	1.1	23
82	Diffusion Dynamics and Optimal Coupling in Multiplex Networks with Directed Layers. <i>Physical Review X</i> , 2018, 8, .	2.8	36
83	Physics of humans, physics for society. <i>Nature Physics</i> , 2018, 14, 870-870.	6.5	19
84	Robustness of cultural communities in an open-ended Axelrod's model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 492-500.	1.2	8
85	Tensorial Representation. <i>SpringerBriefs in Complexity</i> , 2018, , 87-112.	0.1	1
86	Multiplex Networks. <i>SpringerBriefs in Complexity</i> , 2018, , .	0.1	38
87	Fundamentals of spreading processes in single and multilayer complex networks. <i>Physics Reports</i> , 2018, 756, 1-59.	10.3	145
88	The joint influence of competition and mutualism on the biodiversity of mutualistic ecosystems. <i>Scientific Reports</i> , 2018, 8, 9253.	1.6	35
89	Multiplex Networks: Basic Definition and Formalism. <i>SpringerBriefs in Complexity</i> , 2018, , 7-20.	0.1	4
90	Multiplex Networks: A Framework for Studying Multiprocess Multiscale Connectivity Via Coupled Network Theory With an Application to River Deltas. <i>Geophysical Research Letters</i> , 2018, 45, 9681-9689.	1.5	16

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91	A networked voting rule for democratic representation. Royal Society Open Science, 2018, 5, 172265.	1.1	2
92	Sparse Power-Law Network Model for Reliable Statistical Predictions Based on Sampled Data. Entropy, 2018, 20, 257.	1.1	4
93	Structural Metrics. SpringerBriefs in Complexity, 2018, , 21-37.	0.1	0
94	Spectra. SpringerBriefs in Complexity, 2018, , 39-53.	0.1	0
95	Emergence of consensus as a modular-to-nested transition in communication dynamics. Scientific Reports, 2017, 7, 41673.	1.6	26
96	Disease Localization in Multilayer Networks. Physical Review X, 2017, 7, .	2.8	56
97	Human mobility networks and persistence of rapidly mutating pathogens. Royal Society Open Science, 2017, 4, 160914.	1.1	15
98	Onymity promotes cooperation in social dilemma experiments. Science Advances, 2017, 3, e1601444.	4.7	199
99	A Multilayer perspective for the analysis of urban transportation systems. Scientific Reports, 2017, 7, 44359.	1.6	95
100	Heterogeneous resource allocation can change social hierarchy in public goods games. Royal Society Open Science, 2017, 4, 170092.	1.1	26
101	Evolutionary dynamics of N-person Hawk-Dove games. Scientific Reports, 2017, 7, 4800.	1.6	24
102	Scaling properties of multilayer random networks. Physical Review E, 2017, 96, 012307.	0.8	18
103	Diluted banded random matrices: scaling behavior of eigenfunction and spectral properties. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 495205.	0.7	7
104	Cognitive Hierarchy Theory and Two-Person Games. Games, 2017, 8, 1.	0.4	14
105	Influzanet: Citizens Among 10 Countries Collaborating to Monitor Influenza in Europe. JMIR Public Health and Surveillance, 2017, 3, e66.	1.2	56
106	Connectivity of diagnostic technologies: improving surveillance and accelerating tuberculosis elimination. International Journal of Tuberculosis and Lung Disease, 2016, 20, 999-1003.	0.6	26
107	Editorial: At the Crossroads: Lessons and Challenges in Computational Social Science. Frontiers in Physics, 2016, 4, .	1.0	4
108	Characterization of multiple topological scales in multiplex networks through supra-Laplacian eigengaps. Physical Review E, 2016, 94, 052318.	0.8	14

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109	LÃ©vy random walks on multiplex networks. <i>Scientific Reports</i> , 2016, 6, 37641.	1.6	37
110	From degree-correlated to payoff-correlated activity for an optimal resolution of social dilemmas. <i>Physical Review E</i> , 2016, 94, 062315.	0.8	22
111	Epidemic spreading in random rectangular networks. <i>Physical Review E</i> , 2016, 94, 052316.	0.8	30
112	The dynamics of information-driven coordination phenomena: A transfer entropy analysis. <i>Science Advances</i> , 2016, 2, e1501158.	4.7	67
113	Participatory Syndromic Surveillance of Influenza in Europe. <i>Journal of Infectious Diseases</i> , 2016, 214, S386-S392.	1.9	83
114	Effects of Network Structure, Competition and Memory Time on Social Spreading Phenomena. <i>Physical Review X</i> , 2016, 6, .	2.8	54
115	Humans display a reduced set of consistent behavioral phenotypes in dyadic games. <i>Science Advances</i> , 2016, 2, e1600451.	4.7	67
116	On degreeâ€‘degree correlations in multilayer networks. <i>Physica D: Nonlinear Phenomena</i> , 2016, 323-324, 5-11.	1.3	28
117	Multilayer Networks: Metrics and Spectral Properties. <i>Understanding Complex Systems</i> , 2016, , 17-35.	0.3	24
118	On the impact of masking and blocking hypotheses for measuring the efficacy of new tuberculosis vaccines. <i>PeerJ</i> , 2016, 4, e1513.	0.9	18
119	The Role of the Organization Structure in the Diffusion of Innovations. <i>PLoS ONE</i> , 2015, 10, e0126076.	1.1	13
120	Sentiment cascades in the 15M movement. <i>EPJ Data Science</i> , 2015, 4, .	1.5	46
121	Reputation drives cooperative behaviour and network formation in human groups. <i>Scientific Reports</i> , 2015, 5, 7843.	1.6	108
122	Characterising two-pathogen competition in spatially structured environments. <i>Scientific Reports</i> , 2015, 5, 7895.	1.6	31
123	Structure of triadic relations in multiplex networks. <i>New Journal of Physics</i> , 2015, 17, 073029.	1.2	78
124	Dynamic instability of cooperation due to diverse activity patterns in evolutionary social dilemmas. <i>Europhysics Letters</i> , 2015, 109, 58002.	0.7	90
125	Multilayer networks. <i>Journal of Complex Networks</i> , 2014, 2, 203-271.	1.1	2,388
126	Role of centrality for the identification of influential spreaders in complex networks. <i>Physical Review E</i> , 2014, 90, 032812.	0.8	119

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127	Dynamics of Interacting Diseases. <i>Physical Review X</i> , 2014, 4, .	2.8	106
128	Intergroup information exchange drives cooperation in the public goods game. <i>Physical Review E</i> , 2014, 90, 042808.	0.8	19
129	Transition from reciprocal cooperation to persistent behaviour in social dilemmas at the end of adolescence. <i>Nature Communications</i> , 2014, 5, 4362.	5.8	36
130	Dimensionality reduction and spectral properties of multilayer networks. <i>Physical Review E</i> , 2014, 89, 052815.	0.8	56
131	Assessing the bias in samples of large online networks. <i>Social Networks</i> , 2014, 38, 16-27.	1.3	178
132	A comparative analysis of spatial Prisoner's Dilemma experiments: Conditional cooperation and payoff irrelevance. <i>Scientific Reports</i> , 2014, 4, 4615.	1.6	93
133	The Spanish "Indignados" Movement: Time Dynamics, Geographical Distribution, and Recruitment Mechanisms. <i>Lecture Notes in Social Networks</i> , 2014, , 155-177.	0.8	3
134	Emergence of Influential Spreaders in Modified Rumor Models. <i>Journal of Statistical Physics</i> , 2013, 151, 383-393.	0.5	59
135	The role of hidden influentials in the diffusion of online information cascades. <i>EPJ Data Science</i> , 2013, 2, .	1.5	57
136	Diffusion Dynamics on Multiplex Networks. <i>Physical Review Letters</i> , 2013, 110, 028701.	2.9	738
137	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.	1.2	99
138	Cooperation in changing environments: Irreversibility in the transition to cooperation in complex networks. <i>Chaos, Solitons and Fractals</i> , 2013, 56, 188-193.	2.5	11
139	Broadcasters and Hidden Influentials in Online Protest Diffusion. <i>American Behavioral Scientist</i> , 2013, 57, 943-965.	2.3	227
140	Evolutionary dynamics of group interactions on structured populations: a review. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120997.	1.5	1,023
141	Mathematical Formulation of Multilayer Networks. <i>Physical Review X</i> , 2013, 3, .	2.8	513
142	Diffusion Dynamics with Changing Network Composition. <i>Entropy</i> , 2013, 15, 4553-4568.	1.1	11
143	Host Mobility Drives Pathogen Competition in Spatially Structured Populations. <i>PLoS Computational Biology</i> , 2013, 9, e1003169.	1.5	44
144	Impact of Social Punishment on Cooperative Behavior in Complex Networks. <i>Scientific Reports</i> , 2013, 3, 3055.	1.6	166

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145	Cascading behaviour in complex socio-technical networks. <i>Journal of Complex Networks</i> , 2013, 1, 3-24.	1.1	110
146	Modeling self-sustained activity cascades in socio-technical networks. <i>Europhysics Letters</i> , 2013, 104, 48004.	0.7	16
147	Contact-based social contagion in multiplex networks. <i>Physical Review E</i> , 2013, 88, 050801.	0.8	193
148	Generalized synchronization in relay systems with instantaneous coupling. <i>Physical Review E</i> , 2013, 88, 052908.	0.8	31
149	Data reliability in complex directed networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P12008.	0.9	1
150	Cascading Behaviour in Complex Socio-Technical Networks. <i>SSRN Electronic Journal</i> , 2013, .	0.4	2
151	Gender Differences in Cooperation: Experimental Evidence on High School Students. <i>PLoS ONE</i> , 2013, 8, e83700.	1.1	48
152	Locating privileged spreaders on an online social network. <i>Physical Review E</i> , 2012, 85, 066123.	0.8	73
153	Exploring complex networks by means of adaptive walkers. <i>Physical Review E</i> , 2012, 86, 066116.	0.8	13
154	Velocity-enhanced cooperation of moving agents playing public goods games. <i>Physical Review E</i> , 2012, 85, 067101.	0.8	53
155	Stability of Boolean multilevel networks. <i>Physical Review E</i> , 2012, 86, 036115.	0.8	66
156	Explosive First-Order Transition to Synchrony in Networked Chaotic Oscillators. <i>Physical Review Letters</i> , 2012, 108, 168702.	2.9	154
157	TOPOLOGICAL VERSUS DYNAMICAL ROBUSTNESS IN A LEXICAL NETWORK. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250157.	0.7	8
158	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.	0.9	70
159	DYNAMICS OF PERSISTENT INFECTIONS IN HOMOGENEOUS POPULATIONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250164.	0.7	2
160	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.	0.7	2
161	Human behavior in Prisoner's Dilemma experiments suppresses network reciprocity. <i>Scientific Reports</i> , 2012, 2, 325.	1.6	82
162	Heterogeneous networks do not promote cooperation when humans play a Prisoner's Dilemma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12922-12926.	3.3	277

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163	Evolutionary dynamics on interdependent populations. <i>Physical Review E</i> , 2012, 86, 056113.	0.8	104
164	Topological effects of data incompleteness of gene regulatory networks. <i>BMC Systems Biology</i> , 2012, 6, 110.	3.0	10
165	Absence of influential spreaders in rumor dynamics. <i>Physical Review E</i> , 2012, 85, 026116.	0.8	199
166	Empathy Emerges Spontaneously in the Ultimatum Game: Small Groups and Networks. <i>PLoS ONE</i> , 2012, 7, e43781.	1.1	59
167	Modeling Epidemic Spreading in Complex Networks: Concurrency and Traffic. <i>Springer Optimization and Its Applications</i> , 2012, , 435-462.	0.6	9
168	Growing Networks Driven by the Evolutionary Prisoner's Dilemma Game. <i>Springer Optimization and Its Applications</i> , 2012, , 115-136.	0.6	3
169	Modeling human mobility responses to the large-scale spreading of infectious diseases. <i>Scientific Reports</i> , 2011, 1, 62.	1.6	269
170	The Dynamics of Protest Recruitment through an Online Network. <i>Scientific Reports</i> , 2011, 1, 197.	1.6	398
171	Nonperturbative heterogeneous mean-field approach to epidemic spreading in complex networks. <i>Physical Review E</i> , 2011, 84, 036105.	0.8	81
172	Selective advantage of tolerant cultural traits in the Axelrod-Schelling model. <i>Physical Review E</i> , 2011, 83, 056103.	0.8	17
173	The Transcriptional Regulatory Network of <i>Mycobacterium tuberculosis</i> . <i>PLoS ONE</i> , 2011, 6, e22178.	1.1	58
174	Modeling Abnormal Priming in Alzheimer's Patients with a Free Association Network. <i>PLoS ONE</i> , 2011, 6, e22651.	1.1	32
175	Structural and Dynamical Patterns on Online Social Networks: The Spanish May 15th Movement as a Case Study. <i>PLoS ONE</i> , 2011, 6, e23883.	1.1	127
176	Coordination and growth: the Stag Hunt game on evolutionary networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P05008.	0.9	21
177	Cooperation in scale-free networks with limited associative capacities. <i>Physical Review E</i> , 2011, 83, 057101.	0.8	53
178	Explosive Synchronization Transitions in Scale-Free Networks. <i>Physical Review Letters</i> , 2011, 106, 128701.	2.9	459
179	Coevolutionary network approach to cultural dynamics controlled by intolerance. <i>Physical Review E</i> , 2011, 84, 067101.	0.8	22
180	Evolution of microscopic and mesoscopic synchronized patterns in complex networks. <i>Chaos</i> , 2011, 21, 016105.	1.0	10

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181	From Modular to Centralized Organization of Synchronization in Functional Areas of the Cat Cerebral Cortex. PLoS ONE, 2010, 5, e12313.	1.1	75
182	Spreading of persistent infections in heterogeneous populations. Physical Review E, 2010, 81, 056108.	0.8	22
183	Dynamical organization towards consensus in the Axelrod model on complex networks. Physical Review E, 2010, 81, 056105.	0.8	28
184	COOPERATION IN THE PRISONER'S DILEMMA GAME IN RANDOM SCALE-FREE GRAPHS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 849-857.	0.7	18
185	Discrete-time Markov chain approach to contact-based disease spreading in complex networks. Europhysics Letters, 2010, 89, 38009.	0.7	403
186	Effects of mass media action on the Axelrod model with social influence. Physical Review E, 2010, 82, 016111.	0.8	27
187	Effects of mobility in a population of prisoner's dilemma players. Physical Review E, 2009, 79, 067101.	0.8	226
188	Residential segregation and cultural dissemination: An Axelrod-Schelling model. Physical Review E, 2009, 80, 046123.	0.8	37
189	SYNCHRONIZATION IN RANDOM GEOMETRIC GRAPHS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 687-693.	0.7	25
190	The Ultimatum Game in complex networks. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P09012.	0.9	61
191	Evolutionary game dynamics in a growing structured population. New Journal of Physics, 2009, 11, 083031.	1.2	130
192	Cooperative scale-free networks despite the presence of defector hubs. Europhysics Letters, 2009, 88, 38003.	0.7	59
193	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.	3.3	163
194	Social network reciprocity as a phase transition in evolutionary cooperation. Physical Review E, 2009, 79, 026106.	0.8	71
195	Complex Network Modeling: A New Approach to Neurosciences. , 2009, , 241-263.		1
196	Synchronization in complex networks. Physics Reports, 2008, 469, 93-153.	10.3	2,928
197	Natural selection of cooperation and degree hierarchy in heterogeneous populations. Journal of Theoretical Biology, 2008, 253, 296-301.	0.8	53
198	Complex Cooperative Networks from Evolutionary Preferential Attachment. PLoS ONE, 2008, 3, e2449.	1.1	166

#	ARTICLE	IF	CITATIONS
199	Spreading of sexually transmitted diseases in heterosexual populations. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1399-1404.	3.3	94
200	Dynamics of gossip-like information dissemination in complex computer networks. International Journal of Computer Mathematics, 2008, 85, 1165-1173.	1.0	3
201	Scaling Breakdown in Flow Fluctuations on Complex Networks. Physical Review Letters, 2008, 100, 208701.	2.9	97
202	SYNCHRONIZATION OF NETWORKS WITH VARIABLE LOCAL PROPERTIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 2501-2507.	0.7	13
203	Robustness of cooperation in the evolutionary prisoner's dilemma on complex networks. New Journal of Physics, 2007, 9, 184-184.	1.2	149
204	Dynamical Organization of Cooperation in Complex Topologies. Physical Review Letters, 2007, 98, 108103.	2.9	462
205	Synchronizability determined by coupling strengths and topology on complex networks. Physical Review E, 2007, 75, 066106.	0.8	86
206	Paths to Synchronization on Complex Networks. Physical Review Letters, 2007, 98, 034101.	2.9	312
207	Awaking and sleeping of a complex network. Neural Networks, 2007, 20, 102-108.	3.3	8
208	Theory of rumour spreading in complex social networks. Physica A: Statistical Mechanics and Its Applications, 2007, 374, 457-470.	1.2	591
209	Complex networks: Structure and dynamics. Physics Reports, 2006, 424, 175-308.	10.3	8,661
210	Immunization of real complex communication networks. European Physical Journal B, 2006, 49, 259-264.	0.6	72
211	Current trends in the modeling of biological networks. AIP Conference Proceedings, 2006, , .	0.3	0
212	From scale-free to Erdos-Rnyi networks. Physical Review E, 2006, 73, 056124.	0.8	106
213	Scale-free topologies and activatory-inhibitory interactions. Chaos, 2006, 16, 015114.	1.0	7
214	Structure of peer-to-peer social networks. Physical Review E, 2006, 73, 036123.	0.8	65
215	Michaelis-Menten dynamics in complex heterogeneous networks. Physica A: Statistical Mechanics and Its Applications, 2005, 352, 265-281.	1.2	5
216	On the robustness of complex heterogeneous gene expression networks. Biophysical Chemistry, 2005, 115, 225-228.	1.5	15

#	ARTICLE	IF	CITATIONS
217	Dynamics of jamming transitions in complex networks. <i>Europhysics Letters</i> , 2005, 71, 325-331.	0.7	213
218	Distance-dcovering problems in scale-free networks with degree correlations. <i>Physical Review E</i> , 2005, 71, 035102.	0.8	45
219	Local versus global knowledge in the Barabási-Albert scale-free network model. <i>Physical Review E</i> , 2004, 69, 037103.	0.8	33
220	Improved routing strategies for Internet traffic delivery. <i>Physical Review E</i> , 2004, 70, 056105.	0.8	244
221	Efficiency and reliability of epidemic data dissemination in complex networks. <i>Physical Review E</i> , 2004, 69, 055101.	0.8	111
222	Synchronization of Kuramoto oscillators in scale-free networks. <i>Europhysics Letters</i> , 2004, 68, 603-609.	0.7	240
223	Fitness for synchronization of network motifs. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 343, 279-287.	1.2	63
224	Dynamics of rumor spreading in complex networks. <i>Physical Review E</i> , 2004, 69, 066130.	0.8	682
225	Disease spreading in structured scale-free networks. <i>European Physical Journal B</i> , 2003, 31, 265-271.	0.6	60
226	Error diagrams and temporal correlations in a fracture model with characteristic and power-law distributed avalanches. <i>European Physical Journal B</i> , 2003, 34, 489-494.	0.6	0
227	Size dependency of tension strength in natural fiber composites. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 325, 547-560.	1.2	30
228	Resilience to damage of graphs with degree correlations. <i>Physical Review E</i> , 2003, 67, 015101.	0.8	184
229	Epidemic incidence in correlated complex networks. <i>Physical Review E</i> , 2003, 68, 035103.	0.8	176
230	Time evolution of damage under variable ranges of load transfer. <i>Physical Review E</i> , 2003, 68, 026116.	0.8	21
231	Topology and correlations in structured scale-free networks. <i>Physical Review E</i> , 2003, 67, 046111.	0.8	70
232	Creep rupture has two universality classes. <i>Europhysics Letters</i> , 2003, 63, 347-353.	0.7	48
233	Critical load and congestion instabilities in scale-free networks. <i>Europhysics Letters</i> , 2003, 62, 292-298.	0.7	164
234	Fracture model with variable range of interaction. <i>Physical Review E</i> , 2002, 65, 046148.	0.8	119

#	ARTICLE	IF	CITATIONS
235	Instability of scale-free networks under node-breaking avalanches. Europhysics Letters, 2002, 58, 630-636.	0.7	204
236	The Bak-Sneppen model on scale-free networks. Europhysics Letters, 2002, 57, 765-771.	0.7	34
237	Title is missing!. European Physical Journal B, 2002, 26, 521-529.	0.6	209
238	A model for complex aftershock sequences. Journal of Geophysical Research, 2001, 106, 6609-6619.	3.3	26
239	Phase transitions in load transfer models of fracture. Physica A: Statistical Mechanics and Its Applications, 2001, 296, 9-23.	1.2	12
240	Exact numerical solution for a time-dependent fibre-bundle model with continuous damage. Journal of Physics A, 2001, 34, 9983-9991.	1.6	9
241	Time dependence of breakdown in a global fiber-bundle model with continuous damage. Physical Review E, 2001, 63, 066106.	0.8	21
242	Fracture and Second-Order Phase Transitions. Physical Review Letters, 2000, 85, 2865-2868.	2.9	84
243	Modified renormalization strategy for sandpile models. Physical Review E, 1999, 60, 7565-7568.	0.8	4
244	Bounds for the time to failure of hierarchical systems of fracture. Physical Review E, 1999, 59, R1287-R1290.	0.8	5
245	Time to failure of hierarchical load-transfer models of fracture. Physical Review E, 1999, 60, 2581-2594.	0.8	23
246	Self-organized criticality in a fibre-bundle-type model. Physica A: Statistical Mechanics and Its Applications, 1999, 274, 400-409.	1.2	24
247	Probabilistic approach to time-dependent load-transfer models of fracture. Physical Review E, 1998, 58, 1528-1532.	0.8	19
248	Criticality in Droplet Fragmentation. Physical Review Letters, 1996, 76, 42-45.	2.9	44
249	Assessing the Bias in Communication Networks Sampled from Twitter. SSRN Electronic Journal, 0, , .	0.4	26
250	Broadcasters and Hidden Influentials in Online Protest Diffusion. SSRN Electronic Journal, 0, , .	0.4	8
251	Multilayer Networks. SSRN Electronic Journal, 0, , .	0.4	50
252	Assessing the Risk of Spatial Spreading of Diseases in Hospitals. Frontiers in Physics, 0, 10, .	1.0	0