

Lidia A Braunstein

List of Publications by Year in descending order

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54
papers

1,989
citations

279798

23
h-index

243625

44
g-index

55
all docs

55
docs citations

55
times ranked

1487
citing authors

#	ARTICLE	IF	CITATIONS
1	Unification of theoretical approaches for epidemic spreading on complex networks. Reports on Progress in Physics, 2017, 80, 036603.	20.1	244
2	Optimal Paths in Disordered Complex Networks. Physical Review Letters, 2003, 91, 168701.	7.8	160
3	Transport in Weighted Networks: Partition into Superhighways and Roads. Physical Review Letters, 2006, 96, 148702.	7.8	130
4	Epidemics in Partially Overlapped Multiplex Networks. PLoS ONE, 2014, 9, e92200.	2.5	119
5	Suppressing disease spreading by using information diffusion on multiplex networks. Scientific Reports, 2016, 6, 29259.	3.3	118
6	Structure of shells in complex networks. Physical Review E, 2009, 80, 036105.	2.1	112
7	Multiple tipping points and optimal repairing in interacting networks. Nature Communications, 2016, 7, 10850.	12.8	79
8	Suppressing epidemic spreading in multiplex networks with social-support. New Journal of Physics, 2018, 20, 013007.	2.9	79
9	Competing for Attention in Social Media under Information Overload Conditions. PLoS ONE, 2015, 10, e0126090.	2.5	78
10	OPTIMAL PATH AND MINIMAL SPANNING TREES IN RANDOM WEIGHTED NETWORKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 2215-2255.	1.7	65
11	Cascading failure and recovery of spatially interdependent networks. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 103208.	2.3	61
12	Optimal resource diffusion for suppressing disease spreading in multiplex networks. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 053501.	2.3	61
13	Optimal paths in complex networks with correlated weights: The worldwide airport network. Physical Review E, 2006, 74, 056104.	2.1	50
14	Non-consensus Opinion Models on Complex Networks. Journal of Statistical Physics, 2013, 151, 92-112.	1.2	46
15	Current flow in random resistor networks: The role of percolation in weak and strong disorder. Physical Review E, 2005, 71, 045101.	2.1	42
16	Universality classes for self-avoiding walks in a strongly disordered system. Physical Review E, 2002, 65, 056128.	2.1	36
17	Strategy for stopping failure cascades in interdependent networks. Physica A: Statistical Mechanics and Its Applications, 2018, 508, 577-583.	2.6	35
18	Social contagions with communication channel alternation on multiplex networks. Physical Review E, 2018, 98, .	2.1	30

#	ARTICLE	IF	CITATIONS
19	Effect of disorder strength on optimal paths in complex networks. <i>Physical Review E</i> , 2004, 70, 046133.	2.1	29
20	Strategy of competition between two groups based on an inflexible contrarian opinion model. <i>Physical Review E</i> , 2011, 84, 066101.	2.1	28
21	Promoting information spreading by using contact memory. <i>Europhysics Letters</i> , 2017, 118, 18001.	2.0	28
22	Epidemic spreading on modular networks: The fear to declare a pandemic. <i>Physical Review E</i> , 2020, 101, 032309.	2.1	27
23	Cascading failures in complex networks. <i>Journal of Complex Networks</i> , 2020, 8, .	1.8	26
24	Epidemic spreading in multiplex networks influenced by opinion exchanges on vaccination. <i>PLoS ONE</i> , 2017, 12, e0186492.	2.5	24
25	Numerical evaluation of the upper critical dimension of percolation in scale-free networks. <i>Physical Review E</i> , 2007, 75, 066110.	2.1	23
26	Epidemic spreading and immunization strategy in multiplex networks. <i>Journal of Physics: Conference Series</i> , 2015, 640, 012007.	0.4	23
27	Containing misinformation spreading in temporal social networks. <i>Chaos</i> , 2019, 29, 123131.	2.5	21
28	Optimal path in random networks with disorder: A mini review. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 346, 82-92.	2.6	20
29	Transport and percolation theory in weighted networks. <i>Physical Review E</i> , 2007, 75, 045103.	2.1	20
30	Scale-free networks emerging from weighted random graphs. <i>Physical Review E</i> , 2006, 73, 025103.	2.1	13
31	Possible connection between the optimal path and flow in percolation clusters. <i>Physical Review E</i> , 2005, 72, 056131.	2.1	12
32	Optimal community structure for social contagions. <i>New Journal of Physics</i> , 2018, 20, 053053.	2.9	12
33	Jamming in complex networks with degree correlation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 4658-4663.	2.1	11
34	When a Text Is Translated Does the Complexity of Its Vocabulary Change? Translations and Target Readerships. <i>PLoS ONE</i> , 2014, 9, e110213.	2.5	11
35	Study of a market model with conservative exchanges on complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1788-1794.	2.6	10
36	Interacting Social Processes on Interconnected Networks. <i>PLoS ONE</i> , 2016, 11, e0163593.	2.5	10

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37	Insights into bootstrap percolation: Its equivalence with k-core percolation and the giant component. <i>Physical Review E</i> , 2019, 99, 022311.	2.1	10
38	Scaling of optimal-path-lengths distribution in complex networks. <i>Physical Review E</i> , 2005, 72, 025102.	2.1	9
39	Reversible bootstrap percolation: Fake news and fact checking. <i>Physical Review E</i> , 2020, 101, 042307.	2.1	8
40	An epidemic model for COVID-19 transmission in Argentina: Exploration of the alternating quarantine and massive testing strategies. <i>Mathematical Biosciences</i> , 2022, 346, 108664.	1.9	8
41	Length of optimal path in random networks with strong disorder. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 330, 246-252.	2.6	7
42	Cascading failures in anisotropic interdependent networks of spatial modular structures. <i>New Journal of Physics</i> , 2021, 23, 113001.	2.9	7
43	Using relaxational dynamics to reduce network congestion. <i>New Journal of Physics</i> , 2008, 10, 093007.	2.9	6
44	Controlling distant contacts to reduce disease spreading on disordered complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123709.	2.6	6
45	Disease spreading with social distancing: A prevention strategy in disordered multiplex networks. <i>Physical Review E</i> , 2020, 102, 022310.	2.1	6
46	Structural crossover of polymers in disordered media. <i>Physical Review E</i> , 2009, 79, 050102.	2.1	5
47	Role of bridge nodes in epidemic spreading: Different regimes and crossovers. <i>Physical Review E</i> , 2020, 102, 032308.	2.1	5
48	Cascading failures in isotropic and anisotropic spatial networks induced by localized attacks and overloads. <i>New Journal of Physics</i> , 2022, 24, 043045.	2.9	5
49	Ring vaccination strategy in networks: A mixed percolation approach. <i>Physical Review E</i> , 2020, 101, 052309.	2.1	4
50	Reducing congestion on complex networks by dynamic relaxation processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 386, 776-779.	2.6	2
51	On the growth of non-motile bacteria colonies: an agent-based model for pattern formation. <i>European Physical Journal B</i> , 2019, 92, 1.	1.5	2
52	Transition between strong and weak disorder regimes for the optimal path. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 346, 174-182.	2.6	1
53	Emergent networks in fractional percolation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 594, 127057.	2.6	1
54	Peak fraction of infected in epidemic spreading for multi-community networks. <i>Journal of Complex Networks</i> , 2022, 10, .	1.8	0