

Jose Andrade

List of Publications by Year in descending order

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267
papers

9,055
citations

50276

46
h-index

54911

84
g-index

269
all docs

269
docs citations

269
times ranked

6586
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitigation of malicious attacks on networks. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3838-3841.	7.1	752
2	Apollonian Networks: Simultaneously Scale-Free, Small World, Euclidean, Space Filling, and with Matching Graphs. Physical Review Letters, 2005, 94, 018702.	7.8	332
3	Laws of population growth. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18702-18707.	7.1	299
4	Searching for superspreaders of information in real-world social media. Scientific Reports, 2014, 4, 5547.	3.3	290
5	Life-support system benefits from noise. Nature, 1998, 393, 127-128.	27.8	223
6	Mechanical interactions between collagen and proteoglycans: implications for the stability of lung tissue. Journal of Applied Physiology, 2005, 98, 672-679.	2.5	221
7	Avoiding catastrophic failure in correlated networks of networks. Nature Physics, 2014, 10, 762-767.	16.7	219
8	Modeling urban growth patterns with correlated percolation. Physical Review E, 1998, 58, 7054-7062.	2.1	205
9	Inertial Effects on Fluid Flow through Disordered Porous Media. Physical Review Letters, 1999, 82, 5249-5252.	7.8	205
10	Thermostatistics of Overdamped Motion of Interacting Particles. Physical Review Letters, 2010, 105, 260601.	7.8	147
11	Towards Design Principles for Optimal Transport Networks. Physical Review Letters, 2010, 104, 018701.	7.8	147
12	Giant saltation on Mars. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6222-6226.	7.1	144
13	Origins of power-law degree distribution in the heterogeneity of human activity in social networks. Scientific Reports, 2013, 3, 1783.	3.3	144
14	Universality behind Basquin's Law of Fatigue. Physical Review Letters, 2008, 100, 094301.	7.8	131
15	Onion-like network topology enhances robustness against malicious attacks. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P01027.	2.3	123
16	Spreading gossip in social networks. Physical Review E, 2007, 76, 036117.	2.1	116
17	How to Make a Fragile Network Robust and Vice Versa. Physical Review Letters, 2009, 102, 018701.	7.8	116
18	Large cities are less green. Scientific Reports, 2014, 4, 4235.	3.3	108

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19	Fluid Flow through Porous Media: The Role of Stagnant Zones. <i>Physical Review Letters</i> , 1997, 79, 3901-3904.	7.8	104
20	Wind velocity and sand transport on a barchan dune. <i>Geomorphology</i> , 2003, 54, 245-255.	2.6	97
21	Displacement operator for quantum systems with position-dependent mass. <i>Physical Review A</i> , 2011, 84, .	2.5	94
22	Traveling time and traveling length in critical percolation clusters. <i>Physical Review E</i> , 1999, 60, 3425-3428.	2.1	92
23	Scaling behavior in a proportional voting process. <i>Physical Review E</i> , 1999, 60, 1067-1068.	2.1	89
24	Modeling river delta formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16804-16809.	7.1	87
25	Tricritical Point in Explosive Percolation. <i>Physical Review Letters</i> , 2011, 106, 095703.	7.8	78
26	Non-Newtonian Fluid Flow through Three-Dimensional Disordered Porous Media. <i>Physical Review Letters</i> , 2009, 103, 194502.	7.8	77
27	How does public opinion become extreme?. <i>Scientific Reports</i> , 2015, 5, 10032.	3.3	70
28	Gender differences in scientific collaborations: Women are more egalitarian than men. <i>PLoS ONE</i> , 2017, 12, e0176791.	2.5	68
29	Flow between two sites on a percolation cluster. <i>Physical Review E</i> , 2000, 62, 8270-8281.	2.1	67
30	Morse potential derived from first principles. <i>Europhysics Letters</i> , 2013, 101, 10009.	2.0	65
31	Interplay between Geometry and Flow Distribution in an Airway Tree. <i>Physical Review Letters</i> , 2003, 90, 148101.	7.8	63
32	Aeolian Transport Layer. <i>Physical Review Letters</i> , 2006, 96, 018001.	7.8	63
33	Extended uncertainty from first principles. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 755, 367-370.	4.1	63
34	Tracer dispersion in a percolation network with spatial correlations. <i>Physical Review E</i> , 2000, 61, 583-586.	2.1	61
35	How to suppress undesired synchronization. <i>Scientific Reports</i> , 2012, 2, 658.	3.3	57
36	Asymmetric Flow in Symmetric Branched Structures. <i>Physical Review Letters</i> , 1998, 81, 926-929.	7.8	55

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37	Hamiltonian approach for explosive percolation. <i>Physical Review E</i> , 2010, 81, 040101.	2.1	55
38	Fracturing the Optimal Paths. <i>Physical Review Letters</i> , 2009, 103, 225503.	7.8	54
39	Competitive cluster growth in complex networks. <i>Physical Review E</i> , 2006, 73, 065101.	2.1	53
40	Percolation phenomena: a broad-brush introduction with some recent applications to porous media, liquid water, and city growth. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 5-16.	2.6	52
41	Conditions for nonmonotonic vortex interaction in two-band superconductors. <i>Physical Review B</i> , 2011, 83, .	3.2	52
42	Box-covering algorithm for fractal dimension of complex networks. <i>Physical Review E</i> , 2012, 86, 016707.	2.1	52
43	Breathing synchronization in interconnected networks. <i>Scientific Reports</i> , 2013, 3, 3289.	3.3	51
44	Enhanced Flow in Small-World Networks. <i>Physical Review Letters</i> , 2014, 112, 148701.	7.8	51
45	Fracturing Highly Disordered Materials. <i>Physical Review Letters</i> , 2012, 109, 255701.	7.8	48
46	Tsallis thermostatics for finite systems: a Hamiltonian approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 322, 276-284.	2.6	46
47	Numerical modeling of the wind flow over a transverse dune. <i>Scientific Reports</i> , 2013, 3, 2858.	3.3	46
48	Scaling behavior in explosive fragmentation. <i>Physical Review E</i> , 2000, 62, 4742-4746.	2.1	45
49	Transverse Instability of Dunes. <i>Physical Review Letters</i> , 2011, 107, 188001.	7.8	45
50	Optimal array of sand fences. <i>Scientific Reports</i> , 2017, 7, 45148.	3.3	44
51	Brazilian elections: voting for a scaling democracy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 322, 698-700.	2.6	43
52	Optimal transport exponent in spatially embedded networks. <i>Physical Review E</i> , 2013, 87, 042810.	2.1	43
53	Calculation of the separation streamlines of barchans and transverse dunes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 357, 44-49.	2.6	42
54	Different topologies for a herding model of opinion. <i>Physical Review E</i> , 2007, 75, 066108.	2.1	42

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55	Tactical Voting in Plurality Elections. PLoS ONE, 2010, 5, e12446.	2.5	42
56	Flux Front Penetration in Disordered Superconductors. Physical Review Letters, 2001, 86, 3622-3625.	7.8	41
57	The spread of gossip in American schools. Europhysics Letters, 2007, 78, 68005.	2.0	41
58	Determination of the Effective Viscosity of Non-newtonian Fluids Flowing Through Porous Media. Frontiers in Physics, 2019, 7, .	2.1	41
59	Percolation disorder in viscous and nonviscous flow through porous media. Physical Review E, 1995, 51, 5725-5731.	2.1	40
60	Predicting oil recovery using percolation. Physica A: Statistical Mechanics and Its Applications, 1999, 266, 107-114.	2.6	40
61	Modularity map of the network of human cell differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5750-5755.	7.1	40
62	Fracturing ranked surfaces. Scientific Reports, 2012, 2, 348.	3.3	40
63	Persistence in eye movement during visual search. Scientific Reports, 2016, 6, 20815.	3.3	39
64	Human mobility in large cities as a proxy for crime. PLoS ONE, 2017, 12, e0171609.	2.5	39
65	Self-organized percolation. Physical Review E, 1997, 56, R2379-R2382.	2.1	37
66	Free-electron gas in the Apollonian network: Multifractal energy spectrum and its thermodynamic fingerprints. Physical Review E, 2009, 79, 016104.	2.1	37
67	Morphodynamic modeling of aeolian dunes: Review and future plans. European Physical Journal: Special Topics, 2014, 223, 2269-2283.	2.6	37
68	Consistent evaluation of effective diffusion and reaction in pore networks. Chemical Engineering Science, 1992, 47, 2751-2756.	3.8	36
69	Extremum Statistics in Scale-Free Network Models. Physical Review Letters, 2002, 89, 268703.	7.8	36
70	Biased percolation on scale-free networks. Physical Review E, 2010, 81, 011102.	2.1	36
71	Diffusion and reaction in percolating pore networks. Physical Review E, 1997, 55, 772-777.	2.1	35
72	SZNAJD SOCIAL MODEL ON SQUARE LATTICE WITH CORRELATED PERCOLATION. International Journal of Modern Physics C, 2001, 12, 39-42.	1.7	35

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73	Extended phase-space dynamics for the generalized nonextensive thermostatics. <i>Physical Review E</i> , 2002, 65, 036121.	2.1	35
74	Distribution of local fluxes in diluted porous media. <i>Physical Review E</i> , 2006, 74, 010401.	2.1	35
75	Predicting dengue outbreaks at neighbourhood level using human mobility in urban areas. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200691.	3.4	34
76	Generalized Zipf's law in proportional voting processes. <i>Europhysics Letters</i> , 2003, 62, 131-137.	2.0	32
77	Ising model on the Apollonian network with node-dependent interactions. <i>Physical Review E</i> , 2009, 79, 036105.	2.1	32
78	Fatigue failure of disordered materials. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007, 2007, P02003-P02003.	2.3	31
79	New efficient methods for calculating watersheds. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P09007.	2.3	31
80	Mathematical Modeling of the First Inflation of Degassed Lungs. <i>Annals of Biomedical Engineering</i> , 1998, 26, 608-617.	2.5	30
81	Transport on exploding percolation clusters. <i>Physical Review E</i> , 2011, 83, 031133.	2.1	30
82	N-dimensional fractional diffusion equation and Green function approach: Spatially dependent diffusion coefficient and external force. <i>Physical Review E</i> , 2005, 71, 052101.	2.1	29
83	Simulation of birdfoot delta formation with application to the Mississippi Delta. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	29
84	Analytical results for long-time behavior in anomalous diffusion. <i>Physical Review E</i> , 2012, 86, 021121.	2.1	29
85	Physics of the cigarette filter: fluid flow through structures with randomly-placed obstacles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 295, 17-30.	2.6	28
86	Traveling length and minimal traveling time for flow through percolation networks with long-range spatial correlations. <i>Physical Review E</i> , 2002, 66, 046304.	2.1	28
87	Scaling behavior in crackle sound during lung inflation. <i>Physical Review E</i> , 1999, 60, 4659-4663.	2.1	26
88	The ferromagnetic Ising model on a Voronoi/Delaunay lattice. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 283, 100-106.	2.6	26
89	Bose-Einstein condensation in the Apollonian complex network. <i>Physical Review E</i> , 2010, 81, 030104.	2.1	26
90	Scaling relations for watersheds. <i>Physical Review E</i> , 2011, 84, 036116.	2.1	26

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91	Critical behavior of a three-state Potts model on a Voronoi lattice. <i>European Physical Journal B</i> , 2000, 17, 111-114.	1.5	25
92	Heat transport through rough channels. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 339, 296-310.	2.6	25
93	PLURALITY VOTING: THE STATISTICAL LAWS OF DEMOCRACY IN BRAZIL. <i>International Journal of Modern Physics C</i> , 2006, 17, 1809-1813.	1.7	25
94	Computer simulation of fatigue under diametrical compression. <i>Physical Review E</i> , 2007, 75, 046115.	2.1	25
95	Impact of Perturbations on Watersheds. <i>Physical Review Letters</i> , 2011, 106, 048501.	7.8	25
96	Optimal-path cracks in correlated and uncorrelated lattices. <i>Physical Review E</i> , 2011, 83, 046113.	2.1	25
97	Critical Role of Gravity in Filters. <i>Physical Review Letters</i> , 2006, 97, 138001.	7.8	24
98	Linear stability analysis of transverse dunes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 4606-4614.	2.6	24
99	Statistical Signs of Social Influence on Suicides. <i>Scientific Reports</i> , 2014, 4, 6239.	3.3	24
100	Self-organization in growth of branched polymers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 238, 163-171.	2.6	23
101	Scaling behavior of diffusion and reaction processes in percolating porous media. <i>Physical Review E</i> , 2003, 67, 061406.	2.1	23
102	Fractality of eroded coastlines of correlated landscapes. <i>Physical Review E</i> , 2011, 84, 016102.	2.1	23
103	Enhanced flow of core-softened fluids through narrow nanotubes. <i>Journal of Chemical Physics</i> , 2014, 140, 194504.	3.0	23
104	Mandala Networks: ultra-small-world and highly sparse graphs. <i>Scientific Reports</i> , 2015, 5, 9082.	3.3	23
105	CFD simulation of the wind field over a terrain with sand fences: Critical spacing for the wind shear velocity. <i>Aeolian Research</i> , 2020, 43, 100574.	2.7	23
106	Passivation of irregular surfaces accessed by diffusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7636-7640.	7.1	22
107	Finite-size effects for percolation on Apollonian networks. <i>Physical Review E</i> , 2008, 78, 066112.	2.1	22
108	Statistical patterns of visual search for hidden objects. <i>Scientific Reports</i> , 2012, 2, 920.	3.3	22

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109	IMDB Network Revisited: Unveiling Fractal and Modular Properties from a Typical Small-World Network. PLoS ONE, 2013, 8, e66443.	2.5	22
110	Dynamics in the Fitness-Income plane: Brazilian states vs World countries. PLoS ONE, 2018, 13, e0197616.	2.5	22
111	Dynamics of viscous penetration in percolation porous media. Physical Review E, 2001, 63, 051403.	2.1	20
112	Invasion percolation between two sites. Physical Review E, 2005, 72, 041404.	2.1	20
113	Catalytic effectiveness of irregular interfaces and rough pores: the "œland surveyor approximation"œ. Chemical Engineering Science, 2001, 56, 5011-5023.	3.8	19
114	Periodic neural activity induced by network complexity. Physical Review E, 2006, 74, 017102.	2.1	19
115	Particle capture into the lung made simple?. Journal of Applied Physiology, 2011, 110, 1664-1673.	2.5	19
116	How dense can one pack spheres of arbitrary size distribution?. Europhysics Letters, 2012, 97, 18004.	2.0	19
117	Mapping the local viscosity of non-Newtonian fluids flowing through disordered porous structures. Scientific Reports, 2020, 10, 11733.	3.3	19
118	Crackling noise in sub-critical fracture of heterogeneous materials. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P01021.	2.3	18
119	Statistics of the critical percolation backbone with spatial long-range correlations. Physical Review E, 2003, 67, 027102.	2.1	17
120	Collaboration Networks from a Large CV Database: Dynamics, Topology and Bonus Impact. PLoS ONE, 2014, 9, e90537.	2.5	17
121	A random network model for electrical transport in conducting polymers. Synthetic Metals, 1995, 68, 167-172.	3.9	16
122	Fluid flow through ramified structures. Physical Review E, 1999, 60, 5486-5494.	2.1	16
123	The role of inertia on fluid flow through disordered porous media. Physica A: Statistical Mechanics and Its Applications, 1999, 266, 420-424.	2.6	16
124	Analytical approach to directed sandpile models on the Apollonian network. Physical Review E, 2007, 76, 026111.	2.1	16
125	Subcritical Crack Growth: The Microscopic Origin of Paris's™ Law. Physical Review Letters, 2008, 100, 195503.	7.8	16
126	Digital contact tracing and network theory to stop the spread of COVID-19 using big-data on human mobility geolocalization. PLoS Computational Biology, 2022, 18, e1009865.	3.2	16

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127	Andrade <i>et al.</i> Reply. Physical Review Letters, 2011, 107, .	7.8	15
128	Nonlocal product rules for percolation. Physical Review E, 2012, 85, 041112.	2.1	15
129	Corrections to scaling for watersheds, optimal path cracks, and bridge lines. Physical Review E, 2012, 86, 011117.	2.1	15
130	Optimal Synchronizability of Bearings. Physical Review Letters, 2013, 110, 064106.	7.8	15
131	Modelling the influence of photospheric turbulence on solar flare statistics. Nature Communications, 2014, 5, 5035.	12.8	15
132	Entropy Production and the Pressure-Volume Curve of the Lung. Frontiers in Physiology, 2016, 7, 73.	2.8	15
133	General continuum approach for dissipative systems of repulsive particles. Physical Review E, 2016, 93, 060103.	2.1	15
134	The light pollution as a surrogate for urban population of the US cities. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 1088-1096.	2.6	15
135	Volume distributions of avalanches in lung inflation: A statistical mechanical approach. Physical Review E, 1997, 56, 3385-3394.	2.1	14
136	Self-organized percolation in multi-layered structures. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P03026.	2.3	14
137	Ubiquitous Fractal Dimension of Optimal Paths. Computing in Science and Engineering, 2011, 13, 74-81.	1.2	14
138	A first principles calculation of the oxygen uptake in the human pulmonary acinus at maximal exercise. Respiratory Physiology and Neurobiology, 2013, 185, 625-638.	1.6	14
139	Complex networks from space-filling bearings. Physical Review E, 2015, 92, 012802.	2.1	14
140	Fragmentation processes in two-phase materials. Physical Review E, 2015, 91, 012402.	2.1	14
141	Keep-Left Behavior Induced by Asymmetrically Profiled Walls. Physical Review X, 2016, 6, .	8.9	14
142	Flow through time-evolving porous media: Swelling and erosion. Journal of Computational Science, 2021, 53, 101360.	2.9	14
143	Percolation transition in conducting polymer networks. Physical Review B, 1996, 54, 3910-3915.	3.2	13
144	Percolation conduction in vapour grown carbon fibre. Physica A: Statistical Mechanics and Its Applications, 1998, 248, 227-234.	2.6	13

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145	Aeolian transport of sand. <i>European Physical Journal E</i> , 2007, 22, 195-200.	1.6	13
146	CORRELATIONS BETWEEN POLITICAL PARTY SIZE AND VOTER MEMORY: A STATISTICAL ANALYSIS OF OPINION POLLS. <i>International Journal of Modern Physics C</i> , 2008, 19, 1647-1657.	1.7	13
147	Model of overdamped motion of interacting magnetic vortices through narrow superconducting channels. <i>Physical Review B</i> , 2009, 80, .	3.2	13
148	Particle transport in flow through a ratchet-like channel. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 543-550.	2.2	13
149	Post-breakthrough scaling in reservoir field simulation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 3219-3226.	2.6	13
150	Overdamped dynamics of particles with repulsive power-law interactions. <i>Physical Review E</i> , 2018, 98, .	2.1	13
151	A worldwide model for boundaries of urban settlements. <i>Royal Society Open Science</i> , 2018, 5, 180468.	2.4	13
152	Self-organized criticality in the El Niño Southern oscillation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1995, 215, 331-338.	2.6	12
153	The complex topology of chemical plants. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 360, 637-643.	2.6	12
154	Sand transport on Mars. <i>Computer Physics Communications</i> , 2009, 180, 609-611.	7.5	12
155	Collapsing granular suspensions. <i>European Physical Journal E</i> , 2009, 30, 275-81.	1.6	12
156	Geometrical and Anderson transitions in harmonic chains with constrained long-range couplings. <i>Physical Review E</i> , 2011, 84, 041110.	2.1	12
157	Variability in individual activity bursts improves ant foraging success. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160856.	3.4	12
158	Deblocking of interacting particle assemblies: from pinning to jamming. <i>Brazilian Journal of Physics</i> , 2003, 33, 557-572.	1.4	12
159	Size exclusion chromatography in pore networks. <i>Chromatographia</i> , 1990, 30, 639-644.	1.3	11
160	Living quicksand. <i>Granular Matter</i> , 2009, 11, 67-71.	2.2	11
161	A micromechanical model of collapsing quicksand. <i>Granular Matter</i> , 2011, 13, 219-223.	2.2	11
162	Explosive Electric Breakdown due to Conducting-Particle Deposition on an Insulating Substrate. <i>Physical Review Letters</i> , 2014, 113, 155701.	7.8	11

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163	Crumpling Damaged Graphene. Scientific Reports, 2016, 6, 25891.	3.3	11
164	Elastic Backbone Defines a New Transition in the Percolation Model. Physical Review Letters, 2018, 120, 175701.	7.8	11
165	Scale-invariant correlations in the biological and social sciences. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 77, 1373-1388.	0.6	10
166	Self-organized percolation growth in regular and disordered lattices. Physica A: Statistical Mechanics and Its Applications, 2002, 311, 313-319.	2.6	10
167	THREE-DIMENSIONAL APOLLONIAN NETWORKS. International Journal of Modern Physics C, 2006, 17, 1219-1226.	1.7	10
168	Homeostatic maintenance via degradation and repair of elastic fibers under tension. Scientific Reports, 2016, 6, 27474.	3.3	10
169	The price of a vote: Diseconomy in proportional elections. PLoS ONE, 2018, 13, e0201654.	2.5	10
170	Boundary effects on flux penetration in disordered superconductors. Physical Review B, 2002, 66, .	3.2	9
171	Transition from Knudsen to molecular diffusion in activity of absorbing irregular interfaces. Physical Review E, 2003, 68, 041608.	2.1	9
172	Multiple invaded consolidating materials. Physical Review E, 2004, 70, 066150.	2.1	9
173	Fluid flow through Apollonian packings. Physical Review E, 2010, 81, 047302.	2.1	9
174	Topography of inland deltas: Observations, modeling, and experiments. Geophysical Research Letters, 2010, 37, .	4.0	9
175	Traveling heterogeneity in public transportation. EPJ Data Science, 2018, 7, .	2.8	9
176	Percolation on an isotropically directed lattice. Physical Review E, 2018, 98, .	2.1	9
177	A network model for diffusion and adsorption in compacted pellets of bidisperse grains. Chemical Engineering Science, 1995, 50, 1943-1951.	3.8	8
178	Screening Effects in Flow through Rough Channels. Physical Review Letters, 2007, 98, 194101.	7.8	8
179	Majority-vote model on spatially embedded networks: Crossover from mean-field to Ising universality classes. Physical Review E, 2016, 93, 052101.	2.1	8
180	A universal approach for drainage basins. Scientific Reports, 2019, 9, 9845.	3.3	8

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181	A mathematical model for Ti diffusion in LiNbO ₃ . Journal of Physics Condensed Matter, 1994, 6, 4067-4076.	1.8	7
182	Controlling chaos by pinning neurons in a neural network. Physical Review E, 1995, 52, R2129-R2132.	2.1	7
183	Tsallis nonextensive statistics with normalized q-expectation values: thermodynamical stability and simple illustrations. Physica A: Statistical Mechanics and Its Applications, 2000, 275, 396-404.	2.6	7
184	Analytical approximation for diffusion-reaction processes in rough pores. Europhysics Letters, 2001, 55, 573-579.	2.0	7
185	Quantitative Analysis of the Oxygen Transfer in the Human Acinus. Advances in Experimental Medicine and Biology, 2008, 605, 167-172.	1.6	7
186	Particle separation in a ramified structure. Chemical Engineering Science, 2010, 65, 1400-1406.	3.8	7
187	Targeted Recovery as an Effective Strategy against Epidemic Spreading. Scientific Reports, 2017, 7, 14356.	3.3	7
188	Chromatography in pore networks II "The role of structure and adsorption in the band broadening. Chromatographia, 1991, 32, 345-349.	1.3	6
189	Continuous phase transition in a disordered eight-states Potts model. European Physical Journal B, 2000, 13, 107-110.	1.5	6
190	New simple properties of a few irregular systems. Physica A: Statistical Mechanics and Its Applications, 2005, 357, 1-17.	2.6	6
191	Particles in fluids. European Physical Journal: Special Topics, 2007, 143, 181-189.	2.6	6
192	Subcritical fatigue in fuse networks. Europhysics Letters, 2012, 100, 36006.	2.0	6
193	Characterizing the intrinsic correlations of scale-free networks. International Journal of Modern Physics C, 2016, 27, 1650024.	1.7	6
194	Itinerant Conductance in Fuse-Antifuse Networks. Physical Review Letters, 2016, 117, 275702.	7.8	6
195	Symbiotic contact process: Phase transitions, hysteresis cycles, and bistability. Physical Review E, 2018, 98, .	2.1	6
196	Circuits with broken fibration symmetries perform core logic computations in biological networks. PLoS Computational Biology, 2020, 16, e1007776.	3.2	6
197	Flow through three-dimensional self-affine fractures. Physical Review Fluids, 2020, 5, .	2.5	6
198	Shape selectivity in porous catalysts. Journal of Catalysis, 1991, 131, 319-325.	6.2	5

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199	On the permeability of binary packings of spheres. <i>Chemical Engineering and Technology</i> , 1992, 15, 11-14.	1.5	5
200	Memory effects on the statistics of fragmentation. <i>Physical Review E</i> , 2005, 71, 036119.	2.1	5
201	Numerical simulation of particle flow in a sand trap. <i>Granular Matter</i> , 2009, 11, 193-200.	2.2	5
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