

Zoltn Nda

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

3,982
citations

19
h-index

62
g-index

100
ext. papers

4,501
ext. citations

3.7
avg, IF

5.22
L-index

#	Paper	IF	Citations
94	Evolution of the social network of scientific collaborations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 311, 590-614	3.3	1622
93	The sound of many hands clapping. <i>Nature</i> , 2000 , 403, 849-50	50.4	501
92	On the size distribution of Poisson Voronoi cells. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007 , 385, 518-526	3.3	365
91	Measuring preferential attachment in evolving networks. <i>Europhysics Letters</i> , 2003 , 61, 567-572	1.6	316
90	Physics of the rhythmic applause. <i>Physical Review E</i> , 2000 , 61, 6987-92	2.4	163
89	Reconsideration of continuum percolation of isotropically oriented sticks in three dimensions. <i>Physical Review E</i> , 1999 , 59, 3717-3719	2.4	78
88	Spiral cracks in drying precipitates. <i>Physical Review Letters</i> , 2002 , 88, 095502	7.4	69
87	Networks in life: scaling properties and eigenvalue spectra. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 314, 25-34	3.3	68
86	Pattern formation and selection in quasistatic fracture. <i>Physical Review Letters</i> , 2000 , 85, 662-5	7.4	65
85	Human mobility in a continuum approach. <i>PLoS ONE</i> , 2013 , 8, e60069	3.7	57
84	Pattern formation. Spiral cracks without twisting. <i>Nature</i> , 2001 , 410, 166	50.4	44
83	A family-network model for wealth distribution in societies. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005 , 353, 515-528	3.3	39
82	Computer simulation of the microstructure and rheology of semi-solid alloys under shear. <i>Acta Materialia</i> , 2000 , 48, 3773-3782	8.4	37
81	Stochastic resonance in Ising systems. <i>Physical Review E</i> , 1995 , 51, 5315-5317	2.4	36
80	Understanding self-assembled nanosphere patterns. <i>Chemical Physics Letters</i> , 2005 , 408, 241-246	2.5	33
79	On the circular hydraulic jump. <i>American Journal of Physics</i> , 1999 , 67, 723-731	0.7	33
78	Viscous potential flow analysis of peripheral heavy ion collisions. <i>Physical Review C</i> , 2013 , 87,	2.7	24

77	Persistent collective trend in stock markets. <i>Physical Review E</i> , 2010 , 82, 066113	2.4	24
76	Wealth distribution and Pareto's law in the Hungarian medieval society. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007 , 380, 271-277	3.3	23
75	Collective Dynamics of Two-Mode Stochastic Oscillators. <i>Physical Review Letters</i> , 2001 , 87,	7.4	19
74	Unidirectional random growth with resetting. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 499, 335-361	3.3	18
73	Synchronization of two-mode stochastic oscillators: a new model for rhythmic applause and much more. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 321, 238-247	3.3	18
72	Science and Facebook: The same popularity law!. <i>PLoS ONE</i> , 2017 , 12, e0179656	3.7	16
71	Income distribution patterns from a complete social security database. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012 , 391, 5611-5619	3.3	15
70	Topology of the Erasmus student mobility network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011 , 390, 2601-2610	3.3	15
69	A spatially explicit model for tropical tree diversity patterns. <i>Journal of Theoretical Biology</i> , 2010 , 265, 517-23	2.3	13
68	The rhythm of coupled metronomes. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	11
67	An improved radiation model and its applicability for understanding commuting patterns in Hungary. <i>Regional Statistics</i> , 2016 , 6, 27-38	1.6	11
66	Fluctuations in hadronizing quark gluon plasma. <i>Physical Review C</i> , 2012 , 85,	2.7	10
65	Shake-induced order in nanosphere systems. <i>European Physical Journal E</i> , 2007 , 23, 153-9	1.5	10
64	A spring-block model for Barkhausen noise. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2005 , 13, 1341-1352	2	10
63	Stochastic simulations on the cellular wave computers. <i>European Physical Journal B</i> , 2006 , 51, 407-411	1.2	9
62	The dripping faucet revisited. <i>Chaos</i> , 1996 , 6, 59-62	3.3	9
61	Commuting patterns: the flow and jump model and supporting data. <i>EPJ Data Science</i> , 2018 , 7,	3.4	9
60	A springBlock analogy for the dynamics of stock indexes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 427, 122-131	3.3	8

59	Phase transition in an optimal clusterization model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 362, 357-368	3.3	8
58	Scaling in income inequalities and its dynamical origin. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 549, 124491	3.3	7
57	Dynamical stationarity as a result of sustained random growth. <i>Physical Review E</i> , 2017 , 95, 032130	2.4	7
56	Kuramoto-type phase transition with metronomes. <i>European Journal of Physics</i> , 2013 , 34, 1451-1463	0.8	7
55	Spring-block approach for nanobristle patterns. <i>Chemical Physics Letters</i> , 2011 , 511, 378-383	2.5	7
54	Criticality and pattern formation in fracture by residual stresses. <i>Physical Review E</i> , 2010 , 82, 046118	2.4	7
53	PERSPECTIVES FOR MONTE CARLO SIMULATIONS ON THE CNN UNIVERSAL MACHINE. <i>International Journal of Modern Physics C</i> , 2006 , 17, 909-922	1.1	7
52	Entropic Divergence and Entropy Related to Nonlinear Master Equations. <i>Entropy</i> , 2019 , 21, 993	2.8	7
51	Pattern selection in a ring of Kuramoto oscillators. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 78, 104868	3.7	6
50	Earthquake model describes traffic jams caused by imperfect driving styles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012 , 391, 5727-5738	3.3	6
49	Kinetic Monte Carlo approach for triangular-shaped Pt islands on Pt(111) surfaces. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 1709-1716	1.3	6
48	Further We Travel the Faster We Go. <i>PLoS ONE</i> , 2016 , 11, e0148913	3.7	6
47	Gintropy: Gini Index Based Generalization of Entropy. <i>Entropy</i> , 2020 , 22,	2.8	6
46	Flickering candle flames and their collective behavior. <i>Scientific Reports</i> , 2020 , 10, 21305	4.9	5
45	Chaos on the conveyor belt. <i>Physical Review E</i> , 2013 , 87, 042920	2.4	5
44	Spring-block model for a single-lane highway traffic. <i>Open Physics</i> , 2011 , 9,	1.3	5
43	Correlation clustering on networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009 , 42, 3450032		5
42	Statistical physics on cellular neural network computers. <i>Physica D: Nonlinear Phenomena</i> , 2008 , 237, 1226-1234	3.3	5

41	Entropic Distance for Nonlinear Master Equation. <i>Universe</i> , 2018 , 4, 10	2.5	4
40	Disorder-driven phase transition in a spring-block type magnetization model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 361, 18-23	2.3	4
39	Wealth distribution in modern societies: Collected data and a master equation approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021 , 581, 126194	3.3	4
38	The complex parameter space of a two-mode oscillator model. <i>Physica D: Nonlinear Phenomena</i> , 2013 , 256-257, 43-50	3.3	3
37	Nontrivial spontaneous synchronization. <i>Physical Review E</i> , 2009 , 79, 056205	2.4	3
36	Cellular Neural Networks for NP-Hard Optimization. <i>Eurasip Journal on Advances in Signal Processing</i> , 2009 , 2009,	1.9	3
35	Wealth distribution in modern and medieval societies. <i>European Physical Journal: Special Topics</i> , 2007 , 143, 81-85	2.3	3
34	Collective behavior of electronic fireflies. <i>European Physical Journal B</i> , 2008 , 65, 271-277	1.2	3
33	Controlled deposition of photonic polystyrene-nanosphere films 2007 ,		3
32	Transient Dynamics in the Random Growth and Reset Model. <i>Entropy</i> , 2021 , 23,	2.8	3
31	Time-scale effects on the gain-loss asymmetry in stock indices. <i>Physical Review E</i> , 2016 , 94, 022311	2.4	3
30	Gambler's ruin problem on Erdős-Rényi graphs. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 468, 147-157	3.3	2
29	Equilibrium distributions in entropy driven balanced processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 474, 355-362	3.3	2
28	The advantage of inhomogeneity [Lessons from a noise driven linearized dynamical system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 445, 310-317	3.3	2
27	Spring-block approach for crack patterns in glass. <i>Open Physics</i> , 2012 , 10,	1.3	2
26	Cell-size distribution and scaling in a one-dimensional Kolmogorov-Johnson-Mehl-Avrami lattice model with continuous nucleation. <i>Physical Review E</i> , 2017 , 96, 042145	2.4	2
25	Kinetic roughening of a soft dewetting line under quenched disorder: A numerical study. <i>Physical Review E</i> , 2014 , 90, 052404	2.4	2
24	A seed-diffusion model for tropical tree diversity patterns. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012 , 391, 4798-4806	3.3	2

23	A Kinetic Monte Carlo Approach for Self-Diffusion of Pt Atom Clusters on a Pt(111) Surface. <i>Communications in Computational Physics</i> , 2011 , 10, 920-939	2.4	2
22	Stochastic optimization of spin-glasses on cellular neural/nonlinear network based processors. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009 , 388, 1024-1030	3.3	2
21	The Boltzmann constant from a snifter. <i>European Journal of Physics</i> , 2012 , 33, 455-465	0.8	2
20	Cellular neural networks for NP-hard optimization 2008 ,		2
19	Flatness of the setting Sun. <i>American Journal of Physics</i> , 2003 , 71, 379-385	0.7	2
18	Synchronization patterns in rings of time-delayed Kuramoto oscillators. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 93, 105505	3.7	2
17	Walkie-talkie measurements for the speed of radio waves in air. <i>Physics Education</i> , 2013 , 48, 80-86	0.8	1
16	A kinetic Monte Carlo study for stripe-like magnetic domains in ferrimagnetic thin films. <i>Open Physics</i> , 2013 , 11,	1.3	1
15	Spring-block model reveals region-like structures. <i>PLoS ONE</i> , 2011 , 6, e16518	3.7	1
14	WINNING STRATEGIES IN CONGESTED TRAFFIC. <i>International Journal of Modern Physics C</i> , 2012 , 23, 1250063		1
13	Unexpected synchronization. <i>Journal of Physics: Conference Series</i> , 2009 , 182, 012026	0.3	1
12	MOLECULAR DYNAMICS APPROACH TO CORRELATION CLUSTERING. <i>International Journal of Modern Physics C</i> , 2008 , 19, 1349-1358	1.1	1
11	Random Number Generator and Monte Carlo type Simulations on the CNN-UM 2006 ,		1
10	Wealth Distribution in Villages. Transition From Socialism to Capitalism in View of Exhaustive Wealth Data and a Master Equation Approach. <i>Frontiers in Physics</i> , 2022 , 10,	3.9	1
9			
8	Scaling in the space-time of the Internet. <i>Scientific Reports</i> , 2019 , 9, 9734	4.9	0
7	Order and disorder in coupled metronome systems. <i>European Physical Journal: Special Topics</i> , 2014 , 223, 649-663	2.3	0
6	Oscillations and collective behavior in convective flows. <i>Physics of Fluids</i> , 2021 , 33, 124104	4.4	0

- 5 Universality in the coarse-grained fluctuations for a class of linear dynamical systems. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 503, 215-220 3.3
- 4 Sync or anti-sync dynamical pattern selection in coupled self-sustained oscillator systems. *Journal of Physics: Conference Series*, **2014**, 510, 012009 0.3
- 3 OPTIMIZATION INDUCED COLLECTIVE BEHAVIOR IN A SYSTEM OF FLASHING OSCILLATORS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2012**, 22, 1230002 2
- 2 Rheology of Concentrated Suspensions: A Lattice Model **2005**, 639-645
- 1 The Space-time of Physics: a Kinetic Space. *Hungarian Studies Yearbook*, **2019**, 1, 10-24 0