

Janos Kertesz

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,648
citations

346980

22
h-index

340414

39
g-index

47
all docs

47
docs citations

47
times ranked

1621
citing authors

#	ARTICLE	IF	CITATIONS
1	Human-AI ecosystem with abrupt changes as a function of the composition. PLoS ONE, 2022, 17, e0267310.	1.1	4
2	Corruption risk in contracting markets: a network science perspective. International Journal of Data Science and Analytics, 2021, 12, 45-60.	2.4	32
3	Complexity science approach to economic crime. Nature Reviews Physics, 2021, 3, 70-71.	11.9	19
4	Inequality is rising where social network segregation interacts with urban topology. Nature Communications, 2021, 12, 1143.	5.8	50
5	Attention dynamics on the Chinese social media Sina Weibo during the COVID-19 pandemic. EPJ Data Science, 2021, 10, 8.	1.5	30
6	Modeling the Complex Network of Social Interactions. Computational Social Sciences, 2021, , 3-19.	0.4	6
7	Effect of algorithmic bias and network structure on coexistence, consensus, and polarization of opinions. Physical Review E, 2021, 104, 044312.	0.8	17
8	Opinion formation on social networks with algorithmic bias: dynamics and bias imbalance. Journal of Physics Complexity, 2021, 2, 045009.	0.9	3
9	The role of geography in the complex diffusion of innovations. Scientific Reports, 2020, 10, 15065.	1.6	20
10	A network approach to cartel detection in public auction markets. Scientific Reports, 2019, 9, 10818.	1.6	41
11	Sampling networks by nodal attributes. Physical Review E, 2019, 99, 052304.	0.8	5
12	Status maximization as a source of fairness in a networked dictator game. Journal of Complex Networks, 2019, 7, 281-305.	1.1	5
13	Algorithmic bias amplifies opinion fragmentation and polarization: A bounded confidence model. PLoS ONE, 2019, 14, e0213246.	1.1	56
14	Social capital predicts corruption risk in towns. Royal Society Open Science, 2019, 6, 182103.	1.1	33
15	Structural transition in social networks: The role of homophily. Scientific Reports, 2019, 9, 4310.	1.6	27
16	Universality and scaling laws in the cascading failure model with healing. Physical Review E, 2018, 98, .	0.8	6
17	Cascading collapse of online social networks. Scientific Reports, 2017, 7, 16743.	1.6	14
18	What Big Data tells: Sampling the social network by communication channels. Physical Review E, 2016, 94, 052319.	0.8	14

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19	Local cascades induced global contagion: How heterogeneous thresholds, exogenous effects, and unconcerned behaviour govern online adoption spreading. <i>Scientific Reports</i> , 2016, 6, 27178.	1.6	50
20	Kinetics of Social Contagion. <i>Physical Review Letters</i> , 2015, 115, 218702.	2.9	78
21	Correlated bursts and the role of memory range. <i>Physical Review E</i> , 2015, 92, 022814.	0.8	31
22	Geographies of an Online Social Network. <i>PLoS ONE</i> , 2015, 10, e0137248.	1.1	55
23	Modeling the Role of Relationship Fading and Breakup in Social Network Formation. <i>PLoS ONE</i> , 2015, 10, e0133005.	1.1	18
24	Multilayer weighted social network model. <i>Physical Review E</i> , 2014, 90, 052810.	0.8	46
25	Complex contagion process in spreading of online innovation. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140694.	1.5	96
26	Value Production in a Collaborative Environment. <i>Journal of Statistical Physics</i> , 2013, 151, 414-439.	0.5	30
27	Close Relationships: A Study of Mobile Communication Records. <i>Journal of Statistical Physics</i> , 2013, 151, 735-744.	0.5	6
28	EDITORIAL: BEYOND SMALL-WORLD AND SCALE-FREE NETWORKS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2010, 13, 1-2.	0.9	0
29	GENERATION OF HOMOGENEOUS GRANULAR PACKINGS: CONTACT DYNAMICS SIMULATIONS AT CONSTANT PRESSURE USING FULLY PERIODIC BOUNDARIES. <i>International Journal of Modern Physics C</i> , 2009, 20, 847-867.	0.8	8
30	Diffusive behavior and the modeling of characteristic times in limit order executions. <i>Quantitative Finance</i> , 2009, 9, 547-563.	0.9	19
31	The Epps effect revisited. <i>Quantitative Finance</i> , 2009, 9, 793-802.	0.9	42
32	Fluctuation scaling in complex systems: Taylor's law and beyond ¹ . <i>Advances in Physics</i> , 2008, 57, 89-142.	35.9	257
33	Emergence of Communities in Weighted Networks. <i>Physical Review Letters</i> , 2007, 99, 228701.	2.9	184
34	Short-term market reaction after extreme price changes of liquid stocks. <i>Quantitative Finance</i> , 2006, 6, 283-295.	0.9	45
35	The effect of contact torques on porosity of cohesive powders. <i>Granular Matter</i> , 2005, 7, 139-143.	1.1	32
36	Characterizing Motifs in Weighted Complex Networks. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	10

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37	FRictional INDETERMINANCY OF FORCES IN HARD-DISK PACKINGS. International Journal of Modern Physics B, 2003, 17, 5623-5630.	1.0	4
38	The Contact Dynamics Method for Granular Media. AIP Conference Proceedings, 2003, , .	0.3	6
39	Effect of anisotropy on the instability of crack propagation. Physical Review E, 2000, 61, 3378-3383.	0.8	4
40	Self-Organization, Localization of Shear Bands, and Aging in Loose Granular Materials. Physical Review Letters, 2000, 84, 3851-3854.	2.9	26
41	Lattice-gas model of avalanches in a granular pile. Physical Review E, 1998, 57, 852-856.	0.8	20
42	Tunnelling percolation: Universality and application to the integer quantum Hall effect. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 77, 1301-1311.	0.6	2
43	Comparison of aggregation of rodlike and spherical particles: A fractal analysis. Journal of Chemical Physics, 1997, 107, 7451-7458.	1.2	14
44	Cellular automata models of single-lane traffic. Physical Review E, 1997, 56, 4104-4110.	0.8	59
45	SURFACE ROUGHENING WITH QUENCHED DISORDER IN d -DIMENSIONS. , 1994, , 453-465.		5
46	SURFACE ROUGHENING WITH QUENCHED DISORDER IN d -DIMENSIONS. Fractals, 1993, 01, 827-839.	1.8	12
47	SELF-AFFINE RUPTURE LINES IN PAPER SHEETS. Fractals, 1993, 01, 67-74.	1.8	107