

Eytan Katzav

List of Publications by Year in descending order

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68
papers

1,326
citations

318942

23
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445137

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68
all docs

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docs citations

68
times ranked

1073
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical results for the distribution of cover times of random walks on random regular graphs. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 015003.	0.7	2
2	The mean and variance of the distribution of shortest path lengths of random regular graphs. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 265005.	0.7	3
3	Packing of stiff rods on ellipsoids: Geometry. Physical Review E, 2021, 103, 013001.	0.8	3
4	Analytical results for the distribution of first hitting times of random walks on random regular graphs. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 145002.	0.7	5
5	Fate of articulation points and bredges in percolation. Physical Review E, 2021, 103, 042302.	0.8	3
6	Analytical results for the distribution of first return times of random walks on random regular graphs. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 325001.	0.7	2
7	Statistical analysis of edges and bredges in configuration model networks. Physical Review E, 2020, 102, 012314.	0.8	4
8	Analysis of the convergence of the degree distribution of contracting random networks towards a Poisson distribution using the relative entropy. Physical Review E, 2020, 101, 062308.	0.8	3
9	Analytical results for the in-degree and out-degree distributions of directed random networks that grow by node duplication. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 083403.	0.9	4
10	Convergence towards an Erdős-Rényi graph structure in network contraction processes. Physical Review E, 2019, 100, 032314.	0.8	4
11	Random close packing from hard-sphere Percus-Yevick theory. Physical Review E, 2019, 99, 012146.	0.8	7
12	Analytical results for the distribution of shortest path lengths in directed random networks that grow by node duplication. European Physical Journal B, 2019, 92, 1.	0.6	8
13	Generating random networks that consist of a single connected component with a given degree distribution. Physical Review E, 2019, 99, 042308.	0.8	3
14	Roadmap on superoscillations. Journal of Optics (United Kingdom), 2019, 21, 053002.	1.0	111
15	Multi-lobe superoscillation and its application to structured illumination microscopy. Optics Express, 2019, 27, 34530.	1.7	11
16	Statistical analysis of articulation points in configuration model networks. Physical Review E, 2018, 98, .	0.8	9
17	Shape and fluctuations of positively curved ribbons. Physical Review E, 2018, 98, 022502.	0.8	6
18	Distribution of shortest path lengths in subcritical Erdős-Rényi networks. Physical Review E, 2018, 98, 012301.	0.8	15

#	ARTICLE	IF	CITATIONS
19	Revealing the microstructure of the giant component in random graph ensembles. <i>Physical Review E</i> , 2018, 97, 042318.	0.8	20
20	The distribution of first hitting times of randomwalks on Erdős-Rényi networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 115001.	0.7	10
21	The distribution of first hitting times of random walks on directed Erdős-Rényi networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 043402.	0.9	7
22	The distribution of first hitting times of non-backtracking random walks on Erdős-Rényi networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 205003.	0.7	5
23	Yield statistics of interpolated superoscillations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 025001.	0.7	13
24	Distribution of shortest path lengths in a class of node duplication network models. <i>Physical Review E</i> , 2017, 96, 032301.	0.8	18
25	Distribution of shortest cycle lengths in random networks. <i>Physical Review E</i> , 2017, 96, 062307.	0.8	16
26	Universal coefficient of the exact correlator of a large- N matrix field theory. <i>Physical Review D</i> , 2016, 94, .	1.6	1
27	Large Deviations of Surface Height in the Kardar-Parisi-Zhang Equation. <i>Physical Review Letters</i> , 2016, 116, 070601.	2.9	58
28	Distance distribution in configuration-model networks. <i>Physical Review E</i> , 2016, 93, 062309.	0.8	23
29	The distribution of path lengths of self avoiding walks on Erdős-Rényi networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 285002.	0.7	18
30	Steady-state propagation speed of rupture fronts along one-dimensional frictional interfaces. <i>Physical Review E</i> , 2015, 92, 032406.	0.8	15
31	Analytical results for the distribution of shortest path lengths in random networks. <i>Europhysics Letters</i> , 2015, 111, 26006.	0.7	32
32	Phase transitions in the condition-number distribution of Gaussian random matrices. <i>Physical Review E</i> , 2014, 90, 050103.	0.8	5
33	Fixing the fixed-point system—Applying Dynamic Renormalization Group to systems with long-range interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1750-1755.	1.2	2
34	Dynamic Stability of Crack Fronts: Out-Of-Plane Corrugations. <i>Physical Review Letters</i> , 2013, 110, 014302.	2.9	16
35	Yield-Optimized Superoscillations. <i>IEEE Transactions on Signal Processing</i> , 2013, 61, 3113-3118.	3.2	40
36	Comparative Study of Crumpling and Folding of Thin Sheets. <i>Physical Review Letters</i> , 2013, 110, 104301.	2.9	63

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37	Spectral properties of the Jacobi ensembles via the Coulomb gas approach. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 465005.	0.7	14
38	Dynamical inequality in growth models. <i>Europhysics Letters</i> , 2011, 95, 66003.	0.7	13
39	Exponent Inequalities in Dynamical Systems. <i>Physical Review Letters</i> , 2011, 107, 125701.	2.9	12
40	MEMS-based contact stress field measurements at a rough elastomeric layer: local test of Amontons's™ friction law in static and steady sliding regimes. <i>EPJ Web of Conferences</i> , 2010, 6, 26006.	0.1	0
41	Large deviations of the smallest eigenvalue of the Wishart-Laguerre ensemble. <i>Physical Review E</i> , 2010, 82, 040104.	0.8	35
42	Thermal fracture as a framework for quasi-static crack propagation. <i>International Journal of Fracture</i> , 2009, 158, 1-14.	1.1	46
43	Stress field at a sliding frictional contact: Experiments and calculations. <i>Journal of the Mechanics and Physics of Solids</i> , 2009, 57, 1921-1933.	2.3	37
44	Solution of the Percus-Yevick equation for hard hyperspheres in even dimensions. <i>Journal of Chemical Physics</i> , 2008, 129, 144506.	1.2	34
45	The spectrum of the fractional Laplacian and First-Passage-Time statistics. <i>Europhysics Letters</i> , 2008, 83, 30006.	0.7	12
46	Solution of the Percus-Yevick equation for hard disks. <i>Journal of Chemical Physics</i> , 2008, 128, 184508.	1.2	26
47	The ideas behind self-consistent expansion. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008, 2008, P04023.	0.9	14
48	Fracture surfaces of heterogeneous materials: A 2D solvable model. <i>Europhysics Letters</i> , 2007, 78, 46006.	0.7	24
49	Folding of flexible rods confined in 2D space. <i>Europhysics Letters</i> , 2007, 80, 54002.	0.7	25
50	Prefrontal and parietal regions are involved in naming of objects seen from unusual viewpoints.. <i>Behavioral Neuroscience</i> , 2007, 121, 836-844.	0.6	7
51	Theory of dynamic crack branching in brittle materials. <i>International Journal of Fracture</i> , 2007, 143, 245-271.	1.1	60
52	Roughness of tensile crack fronts in heterogenous materials. <i>Europhysics Letters</i> , 2006, 76, 450-456.	0.7	27
53	From coupled map lattices to the stochastic Kardar-Parisi-Zhang equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 371, 96-99.	1.2	4
54	Structure below the growing surface. <i>Europhysics Letters</i> , 2006, 75, 29-35.	0.7	16

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55	A statistical approach to close packing of elastic rods and to DNA packaging in viral capsids. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18900-18904.	3.3	63
56	Distribution of Anomalous Exponents of Natural Images. Physical Review Letters, 2006, 97, 103902.	2.9	2
57	Void formation and roughening in slow fracture. Physical Review E, 2005, 71, 066127.	0.8	15
58	What is the connection between ballistic deposition and the Kardar-Parisi-Zhang equation?. Physical Review E, 2004, 70, 061608.	0.8	38
59	Kardar-Parisi-Zhang equation with temporally correlated noise: A self-consistent approach. Physical Review E, 2004, 70, 011601.	0.8	31
60	Numerical evidence for stretched exponential relaxations in the Kardar-Parisi-Zhang equation. Physical Review E, 2004, 69, 052603.	0.8	38
61	Nonlocal growth equationsâ€”a test case for dynamic renormalization group analysis. Physica A: Statistical Mechanics and Its Applications, 2003, 330, 91-98.	1.2	1
62	Self-consistent expansion results for the nonlocal Kardar-Parisi-Zhang equation. Physical Review E, 2003, 68, 046113.	0.8	32
63	Growing surfaces with anomalous diffusion: Results for the fractal Kardar-Parisi-Zhang equation. Physical Review E, 2003, 68, 031607.	0.8	26
64	Self-consistent expansion for the molecular beam epitaxy equation. Physical Review E, 2002, 65, 032103.	0.8	24
65	Existence of the upper critical dimension of the Kardarâ€”Parisiâ€”Zhang equation. Physica A: Statistical Mechanics and Its Applications, 2002, 309, 69-78.	1.2	25
66	Exact result vs. dynamic renormalization group analysis for the non-local Kardarâ€”Parisiâ€”Zhang equation. Physica A: Statistical Mechanics and Its Applications, 2002, 309, 79-84.	1.2	10
67	Exact result vs. dynamic renormalization group analysis for the nonlocal molecular-beam-epitaxy equation. Physica A: Statistical Mechanics and Its Applications, 2002, 308, 25-28.	1.2	9
68	Self-consistent expansion for the Kardar-Parisi-Zhang equation with correlated noise. Physical Review E, 1999, 60, 5677-5680.	0.8	41