

# David A Kessler

## List of Publications by Year in descending order

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209  
papers

7,511  
citations

71102

41  
h-index

66911

78  
g-index

210  
all docs

210  
docs citations

210  
times ranked

3866  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pattern selection in fingered growth phenomena. <i>Advances in Physics</i> , 1988, 37, 255-339.	14.4	932
2	Phase-Field Model of Mode III Dynamic Fracture. <i>Physical Review Letters</i> , 2001, 87, 045501.	7.8	482
3	RNA Virus Evolution via a Fitness-Space Model. <i>Physical Review Letters</i> , 1996, 76, 4440-4443.	7.8	240
4	Geometrical models of interface evolution. <i>Physical Review A</i> , 1984, 29, 1335-1342.	2.5	238
5	Geometrical Approach to Moving-Interface Dynamics. <i>Physical Review Letters</i> , 1983, 51, 1111-1114.	7.8	191
6	Stability of Dendritic Crystals. <i>Physical Review Letters</i> , 1986, 57, 3069-3072.	7.8	161
7	Directional sensing in eukaryotic chemotaxis: A balanced inactivation model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9761-9766.	7.1	145
8	Geometrical models of interface evolution. II. Numerical simulation. <i>Physical Review A</i> , 1984, 30, 3161-3174.	2.5	129
9	Pattern formation in <i>Dictyostelium</i> via the dynamics of cooperative biological entities. <i>Physical Review E</i> , 1993, 48, 4801-4804.	2.1	123
10	Front propagation: Precursors, cutoffs, and structural stability. <i>Physical Review E</i> , 1998, 58, 107-114.	2.1	122
11	Steady-state dendritic crystal growth. <i>Physical Review A</i> , 1986, 33, 3352-3357.	2.5	117
12	Extinction Rates for Fluctuation-Induced Metastabilities: A Real-Space WKB Approach. <i>Journal of Statistical Physics</i> , 2007, 127, 861-886.	1.2	112
13	Geometrical models of interface evolution. III. Theory of dendritic growth. <i>Physical Review A</i> , 1985, 31, 1712-1717.	2.5	111
14	Interface fluctuations in random media. <i>Physical Review A</i> , 1991, 43, 4551-4554.	2.5	111
15	Fluctuation-induced diffusive instabilities. <i>Nature</i> , 1998, 394, 556-558.	27.8	111
16	Stability of the dense radial morphology in diffusive pattern formation. <i>Physical Review Letters</i> , 1987, 59, 2315-2318.	7.8	104
17	Infinite Covariant Density for Diffusion in Logarithmic Potentials and Optical Lattices. <i>Physical Review Letters</i> , 2010, 105, 120602.	7.8	100
18	Pattern selection in three dimensional dendritic growth. <i>Acta Metallurgica</i> , 1988, 36, 2693-2706.	2.1	99

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19	Roughening phase transition in surface growth. <i>Physical Review Letters</i> , 1990, 64, 926-929.	7.8	92
20	Molecular-beam epitaxial growth and surface diffusion. <i>Physical Review Letters</i> , 1992, 69, 100-103.	7.8	89
21	Theory of Fractional Lévy Kinetics for Cold Atoms Diffusing in Optical Lattices. <i>Physical Review Letters</i> , 2012, 108, 230602.	7.8	89
22	Velocity selection in dendritic growth. <i>Physical Review B</i> , 1986, 33, 7867-7870.	3.2	83
23	Dendritic growth in a channel. <i>Physical Review A</i> , 1986, 34, 4980-4987.	2.5	81
24	Numerical simulation of two-dimensional snowflake growth. <i>Physical Review A</i> , 1984, 30, 2820-2823.	2.5	78
25	Transient Localized Patterns in Noise-Driven Reaction-Diffusion Systems. <i>Physical Review Letters</i> , 2010, 104, 158301.	7.8	72
26	Generalized model of island biodiversity. <i>Physical Review E</i> , 2015, 91, 042705.	2.1	66
27	Recombination Dramatically Speeds Up Evolution of Finite Populations. <i>Physical Review Letters</i> , 2005, 94, 098102.	7.8	65
28	Growth feedback as a basis for persistent bistability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 544-549.	7.1	65
29	Large population solution of the stochastic Luria-Delbrück evolution model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11682-11687.	7.1	64
30	Theory of the Saffman-Taylor "finger" pattern. I. <i>Physical Review A</i> , 1986, 33, 2621-2633.	2.5	63
31	Steady-state cellular growth during directional solidification. <i>Physical Review A</i> , 1989, 39, 3041-3052.	2.5	61
32	Evolution on a smooth landscape. <i>Journal of Statistical Physics</i> , 1997, 87, 519-544.	1.2	61
33	Stability of finger patterns in Hele-Shaw cells. <i>Physical Review A</i> , 1985, 32, 1930-1933.	2.5	58
34	Monopole Condensation and the Lattice-Quantum-Chromodynamics Crossover. <i>Physical Review Letters</i> , 1981, 47, 621-624.	7.8	57
35	Temporal fluctuation scaling in populations and communities. <i>Ecology</i> , 2014, 95, 1701-1709.	3.2	57
36	Theory of the Saffman-Taylor "finger" pattern. II. <i>Physical Review A</i> , 1986, 33, 2634-2639.	2.5	54

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37	Resistance to Chemotherapy: Patient Variability and Cellular Heterogeneity. <i>Cancer Research</i> , 2014, 74, 4663-4670.	0.9	54
38	Solution of the Fokker-Planck Equation with a Logarithmic Potential. <i>Journal of Statistical Physics</i> , 2011, 145, 1524-1545.	1.2	50
39	Stretching Instability of Helical Springs. <i>Physical Review Letters</i> , 2003, 90, 024301.	7.8	47
40	The effect of environmental stochasticity on species richness in neutral communities. <i>Journal of Theoretical Biology</i> , 2016, 409, 155-164.	1.7	46
41	Interaction between a drifting spiral and defects. <i>Physical Review E</i> , 1993, 47, R800-R803.	2.1	45
42	Growth velocity of three-dimensional dendritic crystals. <i>Physical Review A</i> , 1987, 36, 4123-4126.	2.5	44
43	Lissajous singularities. <i>Optics Letters</i> , 2003, 28, 111.	3.3	41
44	First Detected Arrival of a Quantum Walker on an Infinite Line. <i>Physical Review Letters</i> , 2018, 120, 040502.	7.8	41
45	From Non-Normalizable Boltzmann-Gibbs Statistics to Infinite-Ergodic Theory. <i>Physical Review Letters</i> , 2019, 122, 010601.	7.8	40
46	Dynamics of SU(2) lattice gauge theories. <i>Nuclear Physics B</i> , 1982, 205, 77-106.	2.5	39
47	Bardeen-Moshe-Bander Fixed Point and the Ultraviolet Triviality of $(\hat{1} \hat{+} 2)_{33}$ . <i>Physical Review Letters</i> , 1984, 53, 2071-2074.	7.8	39
48	Fluctuations of Time Averages for Langevin Dynamics in a Binding Force Field. <i>Physical Review Letters</i> , 2011, 107, 240603.	7.8	38
49	Stability of two-species communities: Drift, environmental stochasticity, storage effect and selection. <i>Theoretical Population Biology</i> , 2018, 119, 57-71.	1.1	38
50	A study of $(\hat{1} \hat{+} 2)_{33}$ at $N = \hat{\alpha} \hat{z}$ . <i>Nuclear Physics B</i> , 1985, 257, 695-728.	2.5	37
51	Determining the Wavelength of Dendritic Sidebranches. <i>Europhysics Letters</i> , 1987, 4, 215-221.	2.0	37
52	The Fixation Probability of Rare Mutators in Finite Asexual Populations. <i>Genetics</i> , 2009, 181, 1595-1612.	2.9	37
53	Biological Networks Regulating Cell Fate Choice are Minimally Frustrated. <i>Physical Review Letters</i> , 2020, 125, 088101.	7.8	37
54	Mutator Dynamics on a Smooth Evolutionary Landscape. <i>Physical Review Letters</i> , 1998, 80, 2012-2015.	7.8	34

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55	Critical point trajectory bundles in singular wave fields. <i>Optics Communications</i> , 2001, 187, 71-90.	2.1	34
56	Transition Phenomena Induced by Internal Noise and Quasi-Absorbing State. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 044002.	1.6	34
57	Spiral core in singly diffusive excitable media. <i>Physical Review Letters</i> , 1992, 68, 401-404.	7.8	33
58	Steady-state cracks in viscoelastic lattice models. <i>Physical Review E</i> , 1999, 59, 5154-5164.	2.1	33
59	Scaling Solution in the Large Population Limit of the General Asymmetric Stochastic Luria-Elck Evolution Process. <i>Journal of Statistical Physics</i> , 2015, 158, 783-805.	1.2	33
60	Mechanical bounds to transcriptional noise. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13983-13988.	7.1	32
61	Effects of thymic selection on T cell recognition of foreign and tumor antigenic peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7875-E7881.	7.1	32
62	Coexistence of symmetric and parity-broken dendrites in a channel. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1995, 213, 451-464.	2.6	31
63	Mechanisms of cooperativity underlying sequence-independent $\beta$ -sheet formation. <i>Journal of Chemical Physics</i> , 2002, 116, 4353-4365.	3.0	31
64	Optimal Strategy for Competence Differentiation in Bacteria. <i>PLoS Genetics</i> , 2010, 6, e1001108.	3.5	31
65	Computational modeling of mound development in <i>Dictyostelium</i> . <i>Physica D: Nonlinear Phenomena</i> , 1997, 106, 375-388.	2.8	30
66	SU(2) adjoint Higgs model. <i>Physical Review D</i> , 1982, 25, 3319-3324.	4.7	29
67	Front propagation up a reaction rate gradient. <i>Physical Review E</i> , 2005, 72, 066126.	2.1	29
68	Effects of Input Noise on a Simple Biochemical Switch. <i>Physical Review Letters</i> , 2011, 107, 148101.	7.8	28
69	Model for macroevolutionary dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2460-9.	7.1	28
70	Superaging correlation function and ergodicity breaking for Brownian motion in logarithmic potentials. <i>Physical Review E</i> , 2012, 85, 051124.	2.1	27
71	Coupled-map lattice model for crystal growth. <i>Physical Review A</i> , 1990, 42, 6125-6128.	2.5	26
72	Coalescence of Saffman-Taylor fingers: A new global instability. <i>Physical Review A</i> , 1986, 33, 3625-3627.	2.5	25

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73	Selection of the Viscous Finger in the 90° Geometry. <i>Europhysics Letters</i> , 1990, 13, 161-166.	2.0	25
74	Darwinian selection of host and bacteria supports emergence of Lamarckian-like adaptation of the system as a whole. <i>Biology Direct</i> , 2018, 13, 24.	4.6	25
75	Effect of diffusion on patterns in excitable Belousov-Zhabotinskii systems. <i>Physica D: Nonlinear Phenomena</i> , 1989, 39, 1-14.	2.8	24
76	Mode-I fracture in a nonlinear lattice with viscoelastic forces. <i>Physical Review E</i> , 2002, 66, 016126.	2.1	24
77	Steady-state mode I cracks in a viscoelastic triangular lattice. <i>Journal of the Mechanics and Physics of Solids</i> , 2002, 50, 583-613.	4.8	24
78	Theory of the spiral core in excitable media. <i>Physica D: Nonlinear Phenomena</i> , 1994, 70, 115-139.	2.8	23
79	Solution of an infection model near threshold. <i>Physical Review E</i> , 2007, 76, 010901.	2.1	23
80	Universal Dimer in a Collisionally Opaque Medium: Experimental Observables and Efimov Resonances. <i>Physical Review Letters</i> , 2012, 108, 130403.	7.8	23
81	Stability of traveling waves in the Belousov-Zhabotinskii reaction. <i>Physical Review A</i> , 1990, 41, 5418-5430.	2.5	22
82	Universal features of surname distribution in a subsample of a growing population. <i>Journal of Theoretical Biology</i> , 2010, 262, 245-256.	1.7	22
83	Neutral dynamics with environmental noise: Age-size statistics and species lifetimes. <i>Physical Review E</i> , 2015, 92, 022722.	2.1	22
84	Large Fluctuations for Spatial Diffusion of Cold Atoms. <i>Physical Review Letters</i> , 2017, 118, 260601.	7.8	22
85	Boundary-induced drift of spirals in excitable media. <i>Physical Review E</i> , 1994, 50, R2395-R2398.	2.1	21
86	Drift of spiral waves in excitable media. <i>Physica D: Nonlinear Phenomena</i> , 1995, 85, 142-155.	2.8	21
87	Steady-state cracks in viscoelastic lattice models. II. <i>Physical Review E</i> , 2000, 61, 2348-2360.	2.1	21
88	Nonlinear lattice model of viscoelastic mode III fracture. <i>Physical Review E</i> , 2000, 63, 016118.	2.1	21
89	Experimental Measurements of Topological Singularity Screening in Random Paraxial Scalar and Vector Optical Fields. <i>Physical Review Letters</i> , 2008, 100, 103901.	7.8	21
90	Confluent and nonconfluent phases in a model of cell tissue. <i>Physical Review E</i> , 2018, 98, .	2.1	21

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91	Neutral-like abundance distributions in the presence of selection in a continuous fitness landscape. <i>Journal of Theoretical Biology</i> , 2014, 345, 1-11.	1.7	20
92	The Birth-Death-Mutation Process: A New Paradigm for Fat Tailed Distributions. <i>PLoS ONE</i> , 2011, 6, e26480.	2.5	19
93	Deviations from Boltzmann-Gibbs Statistics in Confined Optical Lattices. <i>Physical Review Letters</i> , 2015, 115, 173006.	7.8	19
94	Infinite ergodic theory meets Boltzmann statistics. <i>Chaos, Solitons and Fractals</i> , 2020, 138, 109890.	5.1	19
95	Discrete set selection of Saffmanâ€™Taylor fingers. <i>Physics of Fluids</i> , 1987, 30, 1246.	1.4	18
96	Phase autocorrelation of random wave fields. <i>Optics Communications</i> , 1996, 124, 321-332.	2.1	18
97	Evolution on a Smooth Landscape: The Role of Bias. <i>Journal of Statistical Physics</i> , 1998, 90, 191-210.	1.2	18
98	Does the continuum theory of dynamic fracture work?. <i>Physical Review E</i> , 2003, 68, 036118.	2.1	18
99	A new crack at friction. <i>Nature</i> , 2001, 413, 260-261.	27.8	17
100	How does a beta -hairpin fold/unfold? Competition between topology and heterogeneity in a solvable model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 10775-10779.	7.1	16
101	Heavy-tailed phase-space distributions beyond Boltzmann-Gibbs: Confined laser-cooled atoms in a nonthermal state. <i>Physical Review E</i> , 2016, 94, 022151.	2.1	16
102	Dark states of quantum search cause imperfect detection. <i>Physical Review Research</i> , 2020, 2, .	3.6	16
103	Infinite N ( $\tilde{2}$ ) <sup>33</sup> on the lattice. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 157, 416-420.	4.1	15
104	Spiral-core meandering in excitable media. <i>Physical Review A</i> , 1992, 46, 5264-5267.	2.5	15
105	Arrested cracks in nonlinear lattice models of brittle fracture. <i>Physical Review E</i> , 1999, 60, 7569-7571.	2.1	15
106	Fluctuation-Regularized Front Propagation Dynamics in Reaction-Diffusion Systems. <i>Physical Review Letters</i> , 2005, 94, 158302.	7.8	15
107	Fluctuations and dispersal rates in population dynamics. <i>Physical Review E</i> , 2009, 80, 041907.	2.1	15
108	Uncertainty and symmetry bounds for the quantum total detection probability. <i>Physical Review Research</i> , 2020, 2, .	3.6	15

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109	Microscopic Selection of Fluid Fingering Patterns. <i>Physical Review Letters</i> , 2001, 86, 4532-4535.	7.8	14
110	Frenet algorithm for simulations of fluctuating continuous elastic filaments. <i>Physical Review E</i> , 2002, 65, 020801.	2.1	14
111	Effect of curvature and twist on the conformations of a fluctuating ribbon. <i>Journal of Chemical Physics</i> , 2003, 118, 897-904.	3.0	14
112	Communities as cliques. <i>Scientific Reports</i> , 2016, 6, 35648.	3.3	14
113	Epidemic Size in the SIS Model of Endemic Infections. <i>Journal of Applied Probability</i> , 2008, 45, 757-778.	0.7	14
114	Maximal dendrite size in monolayer systems. <i>Physical Review Letters</i> , 1991, 67, 3121-3123.	7.8	13
115	Spirals in excitable media: the free-boundary limit with diffusion. <i>Physica D: Nonlinear Phenomena</i> , 1996, 97, 509-516.	2.8	13
116	Meandering instability of a spiral interface in the free boundary limit. <i>Physical Review E</i> , 1996, 54, 6065-6069.	2.1	13
117	Two State Behavior in a Solvable Model of $\lambda^2$ -Hairpin Folding. <i>Physical Review Letters</i> , 2000, 84, 3490-3493.	7.8	13
118	You Name It – How Memory and Delay Govern First Name Dynamics. <i>PLoS ONE</i> , 2012, 7, e38790.	2.5	13
119	Emergence of structured communities through evolutionary dynamics. <i>Journal of Theoretical Biology</i> , 2015, 383, 138-144.	1.7	13
120	Asymptotic densities from the modified Montroll-Weiss equation for coupled CTRWs. <i>European Physical Journal B</i> , 2018, 91, 1.	1.5	13
121	Simulation of spatial systems with demographic noise. <i>Physical Review E</i> , 2018, 98, 022131.	2.1	13
122	Distribution functions for filaments under tension. <i>Journal of Chemical Physics</i> , 2004, 121, 1155-1164.	3.0	12
123	How input fluctuations reshape the dynamics of a biological switching system. <i>Physical Review E</i> , 2012, 86, 061910.	2.1	12
124	Mass dependence of instabilities of an oscillator with multiplicative and additive noise. <i>Physical Review E</i> , 2013, 87, 022137.	2.1	12
125	Spectral dimension controlling the decay of the quantum first-detection probability. <i>Physical Review A</i> , 2018, 97, .	2.5	12
126	Singularities in speckled speckle. <i>Optics Letters</i> , 2008, 33, 479.	3.3	11



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127	The effect of spatial heterogeneity on the extinction transition in stochastic population dynamics. <i>New Journal of Physics</i> , 2009, 11, 043017.	2.9	11
128	First-detection time of a quantum state under random probing. <i>Physical Review A</i> , 2021, 103, .	2.5	11
129	Regularized Boltzmann-Gibbs statistics for a Brownian particle in a nonconfining field. <i>Physical Review Research</i> , 2020, 2, .	3.6	11
130	Linear stability of directional solidification cells. <i>Physical Review A</i> , 1990, 41, 3197-3205.	2.5	10
131	Analytic approach to the evolutionary effects of genetic exchange. <i>Physical Review E</i> , 2006, 73, 016113.	2.1	10
132	Propagating mode-I fracture in amorphous materials using the continuous random network model. <i>Physical Review E</i> , 2011, 84, 026102.	2.1	10
133	Noise effects in nonlinear biochemical signaling. <i>Physical Review E</i> , 2012, 85, 011901.	2.1	10
134	Alternative steady states in ecological networks. <i>Physical Review E</i> , 2017, 96, 012412.	2.1	10
135	The geometrical model of dendritic growth: The small velocity limit. <i>Physica D: Nonlinear Phenomena</i> , 1986, 21, 371-380.	2.8	9
136	Spirals in excitable media. II: Meandering transition in the diffusive free-boundary limit. <i>Physica D: Nonlinear Phenomena</i> , 1997, 105, 207-225.	2.8	9
137	Level-crossing densities in random wave fields. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1998, 15, 1608.	1.5	9
138	Viscous selection of an elliptical dipole. <i>Journal of Fluid Mechanics</i> , 2010, 658, 492-508.	3.4	9
139	The Distribution of the Area Under a Bessel Excursion and its Moments. <i>Journal of Statistical Physics</i> , 2014, 156, 686-706.	1.2	9
140	Nonlinear self-adapting wave patterns. <i>New Journal of Physics</i> , 2016, 18, 122001.	2.9	9
141	Interaction of spiral waves with external fields in excitable media. <i>Physical Review E</i> , 1995, 52, 5974-5978.	2.1	8
142	Crack-microcrack interactions in dynamical fracture. <i>Physical Review E</i> , 2004, 70, 046107.	2.1	8
143	Novel exponents control the quasi-deterministic limit of the extinction transition. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 292003.	2.1	8
144	Fractional Edgeworth expansion: Corrections to the Gaussian-Lévy central-limit theorem. <i>Physical Review E</i> , 2015, 91, 052124.	2.1	8

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145	Pattern Formation Far from Equilibrium : The Free Space Dendritic Crystal. , 1987, , 1-11.		8
146	TIP INSTABILITY DURING CONFINED DIFFUSION-LIMITED GROWTH. Modern Physics Letters B, 1988, 02, 945-951.	1.9	7
147	Spiral selection as a free boundary problem. Physica D: Nonlinear Phenomena, 1991, 49, 90-97.	2.8	7
148	Analytical study of the effect of recombination on evolution via DNA shuffling. Physical Review E, 2004, 69, 051911.	2.1	7
149	Singularities in speckled speckle: Statistics. Optics Communications, 2008, 281, 5954-5967.	2.1	7
150	Epidemic Size in the SIS Model of Endemic Infections. Journal of Applied Probability, 2008, 45, 757-778.	0.7	7
151	Running measurement protocol for the quantum first-detection problem. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 354001.	2.1	7
152	Non-Hermitian and Zeno limit of quantum systems under rapid measurements. Physical Review A, 2020, 102, .	2.5	7
153	Computational approach to steady-state eutectic growth. Journal of Crystal Growth, 1989, 94, 871-879.	1.5	6
154	Unbridled growth of spin-glass clusters. Physical Review B, 1990, 41, 4778-4780.	3.2	6
155	Short- and long-range screening of optical phase singularities and C points. Optics Communications, 2008, 281, 4194-4204.	2.1	6
156	Globally coupled chaotic maps and demographic stochasticity. Physical Review E, 2010, 81, 036111.	2.1	6
157	Scaling theory for the quasideterministic limit of continuous bifurcations. Physical Review E, 2012, 85, 051138.	2.1	6
158	Microbranching in mode-I fracture in a randomly perturbed lattice. Physical Review E, 2013, 88, 022401.	2.1	6
159	Ordered hexagonal patterns via notch signaling. Physical Biology, 2021, 18, 066006.	1.8	6
160	Inclusion-Exclusion Redux. Electronic Communications in Probability, 2002, 7, .	0.4	6
161	Driving quantum systems with periodic conditional measurements. Physical Review Research, 2022, 4, .	3.6	6
162	Steady-state dendritic growth at non-zero capillarity. Scripta Metallurgica, 1984, 18, 463-466.	1.2	5

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163	Velocity selection for Taylor bubbles. <i>Physical Review A</i> , 1989, 39, 5462-5465.	2.5	5
164	Tilted arrays of dendrites. <i>Physical Review E</i> , 1995, 51, R20-R23.	2.1	5
165	The critical velocity of mode-I fracture in a non-linear lattice in the absence of viscosity. <i>Continuum Mechanics and Thermodynamics</i> , 2010, 22, 505-514.	2.2	5
166	Size distribution of ring polymers. <i>Scientific Reports</i> , 2016, 6, 27661.	3.3	5
167	Uncertainty Relation between Detection Probability and Energy Fluctuations. <i>Entropy</i> , 2021, 23, 595.	2.2	5
168	Cellular solutions for highly nonequilibrium directional solidification. <i>Physical Review A</i> , 1989, 39, 3208-3210.	2.5	4
169	Equation-free dynamic renormalization of a Kardar-Parisi-Zhang-type equation. <i>Physical Review E</i> , 2006, 73, 036703.	2.1	4
170	Fluctuation-induced instabilities in front propagation up a comoving reaction gradient in two dimensions. <i>Physical Review E</i> , 2006, 74, 016119.	2.1	4
171	Directed percolation and the extinction transition on a diffusive substrate. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 428-432.	2.6	4
172	Stochastic maps, continuous approximation, and stable distribution. <i>Physical Review E</i> , 2017, 96, 042139.	2.1	4
173	Environmental Stochasticity and the Speed of Evolution. <i>Journal of Statistical Physics</i> , 2018, 172, 126-142.	1.2	4
174	Quantization of the mean decay time for non-Hermitian quantum systems. <i>Physical Review A</i> , 2020, 102, .	2.5	4
175	Non-Normalizable Quasi-Equilibrium Solution of the Fokker-Planck Equation for Nonconfining Fields. <i>Entropy</i> , 2021, 23, 131.	2.2	4
176	Link fermions and dynamically correlated paths for lattice gauge theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 126, 359-365.	4.1	3
177	Simple models of interface growth. <i>Physica D: Nonlinear Phenomena</i> , 1984, 12, 241-244.	2.8	3
178	Kinetic Roughening in Surface Growth. <i>Materials Research Society Symposia Proceedings</i> , 1992, 278, 237.	0.1	3
179	Comment on "Solidification of a Supercooled Liquid in a Narrow Channel". <i>Physical Review Letters</i> , 2002, 88, 149601.	7.8	3
180	Front Propagation Dynamics with Exponentially-Distributed Hopping. <i>Journal of Statistical Physics</i> , 2006, 122, 925-948.	1.2	3

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181	Effect of Spontaneous Twist on DNA Minicircles. <i>Biophysical Journal</i> , 2010, 99, 2987-2994.	0.5	3
182	Microbranching in mode-I fracture using large-scale simulations of amorphous and perturbed-lattice models. <i>Physical Review E</i> , 2015, 92, 012403.	2.1	3
183	Three-dimensional to two-dimensional transition in mode-I fracture microbranching in a perturbed hexagonal close-packed lattice. <i>Physical Review E</i> , 2017, 95, 063004.	2.1	3
184	Accurately approximating extreme value statistics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 315205.	2.1	3
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