David A Kessler

List of Publications by Year
in descending order

209	7,511	71102	66911
papers	citations	41 h-index	78 g-index

210	210	210	3866
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Driving quantum systems with periodic conditional measurements. Physical Review Research, 2022, 4, .	3.6	6
2	Non-Normalizable Quasi-Equilibrium Solution of the Fokkerâ€“Planck Equation for Nonconfining Fields. Entropy, 2021, 23, 131.	2.2	4
3	First-detection time of a quantum state under random probing. Physical Review A, 2021, 103, .	2.5	11
4	Uncertainty Relation between Detection Probability and Energy Fluctuations. Entropy, 2021, 23, 595.	2.2	5
5	Accurately approximating extreme value statistics. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 315205.	2.1	3
6	Ordered hexagonal patterns via notchâ€“delta signaling. Physical Biology, 2021, 18, 066006.	1.8	6
7	Non-Hermitian and Zeno limit of quantum systems under rapid measurements. Physical Review A, 2020, 102, .	2.5	7
8	Quantization of the mean decay time for non-Hermitian quantum systems. Physical Review A, 2020, 102, .	2.5	4
9	Biological Networks Regulating Cell Fate Choice are Minimally Frustrated. Physical Review Letters, 2020, 125, 088101.	7.8	37
10	Infinite ergodic theory meets Boltzmann statistics. Chaos, Solitons and Fractals, 2020, 138, 109890.	5.1	19
11	Uncertainty and symmetry bounds for the quantum total detection probability. Physical Review Research, 2020, 2, .	3.6	15
12	Regularized Boltzmann-Gibbs statistics for a Brownian particle in a nonconfining field. Physical Review Research, 2020, 2, .	3.6	11
13	Saffman-Taylor fingers at intermediate noise. Physical Review E, 2020, 102, 063107.	2.1	0
14	Dark states of quantum search cause imperfect detection. Physical Review Research, 2020, 2, .	3.6	16
15	Running measurement protocol for the quantum first-detection problem. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 354001.	2.1	7
16	From Non-Normalizable Boltzmann-Gibbs Statistics to Infinite-Ergodic Theory. Physical Review Letters, 2019, 122, 010601.	7.8	40
17	Front propagation and clustering in the stochastic nonlocal Fisher equation. Physical Review E, 2018, 97, 042213.	2.1	2
18	Asymptotic densities from the modified Montroll-Weiss equation for coupled CTRWs. European Physical Journal B, 2018, 91, 1.	1.5	13

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19	First Detected Arrival of a Quantum Walker on an Infinite Line. Physical Review Letters, 2018, 120, 040502.	7.8	41
20	Stability of two-species communities: Drift, environmental stochasticity, storage effect and selection. Theoretical Population Biology, 2018, 119, 57-71.	1.1	38
21	Environmental Stochasticity and the Speed of Evolution. Journal of Statistical Physics, 2018, 172, 126-142.	1.2	4
22	Darwinian selection of host and bacteria supports emergence of Lamarckian-like adaptation of the system as a whole. Biology Direct, 2018, 13, 24.	4.6	25
23	Confluent and nonconfluent phases in a model of cell tissue. Physical Review E, 2018, 98, .	2.1	21
24	Simulation of spatial systems with demographic noise. Physical Review E, 2018, 98, 022131.	2.1	13
25	Spectral dimension controlling the decay of the quantum first-detection probability. Physical Review A, 2018, 97, .	2.5	12
26	Stochastic maps, continuous approximation, and stable distribution. Physical Review E, 2017, 96, 042139.	2.1	4
27	Effects of thymic selection on T cell recognition of foreign and tumor antigenic peptides. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7875-E7881.	7.1	32
28	Alternative steady states in ecological networks. Physical Review E, 2017, 96, 012412.	2.1	10
29	Boundary-driven anomalous spirals in oscillatory media. New Journal of Physics, 2017, 19, 063026.	2.9	2
30	Three-dimensional to two-dimensional transition in mode-I fracture microbranching in a perturbed hexagonal close-packed lattice. Physical Review E, 2017, 95, 063004.	2.1	3
31	Large Fluctuations for Spatial Diffusion of Cold Atoms. Physical Review Letters, 2017, 118, 260601.	7.8	22
32	Nonlinear self-adapting wave patterns. New Journal of Physics, 2016, 18, 122001.	2.9	9
33	Communities as cliques. Scientific Reports, 2016, 6, 35648.	3.3	14
34	Size distribution of ring polymers. Scientific Reports, 2016, 6, 27661.	3.3	5
35	Heavy-tailed phase-space distributions beyond Boltzmann-Gibbs: Confined laser-cooled atoms in a nonthermal state. Physical Review E, 2016, 94, 022151.	2.1	16
36	Mechanical bounds to transcriptional noise. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13983-13988.	7.1	32

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37	The effect of environmental stochasticity on species richness in neutral communities. Journal of Theoretical Biology, 2016, 409, 155-164.	1.7	46
38	Theory of pinned fronts. Physical Review E, 2016, 93, 012405.	2.1	2
39	Fractional Edgeworth expansion: Corrections to the Gaussian-LÃ©vy central-limit theorem. Physical Review E, 2015, 91, 052124.	2.1	8
40	Microbranching in mode-I fracture using large-scale simulations of amorphous and perturbed-lattice models. Physical Review E, 2015, 92, 012403.	2.1	3
41	Neutral dynamics with environmental noise: Age-size statistics and species lifetimes. Physical Review E, 2015, 92, 022722.	2.1	22
42	Deviations from Boltzmann-Gibbs Statistics in Confined Optical Lattices. Physical Review Letters, 2015, 115, 173006.	7.8	19
43	Singularity screening in generic optical fields. Optics Letters, 2015, 40, 4747.	3.3	2
44	Scaling Solution in the Large Population Limit of the General Asymmetric Stochastic Luriaâ€“DelbrÃ¼ck Evolution Process. Journal of Statistical Physics, 2015, 158, 783-805.	1.2	33
45	Emergence of structured communities through evolutionary dynamics. Journal of Theoretical Biology, 2015, 383, 138-144.	1.7	13
46	Generalized model of island biodiversity. Physical Review E, 2015, 91, 042705.	2.1	66
47	Growth feedback as a basis for persister bistability. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 544-549.	7.1	65
48	Neutral-like abundance distributions in the presence of selection in a continuous fitness landscape. Journal of Theoretical Biology, 2014, 345, 1-11.	1.7	20
49	Resistance to Chemotherapy: Patient Variability and Cellular Heterogeneity. Cancer Research, 2014, 74, 4663-4670.	0.9	54
50	The Distribution of the Area Under a Bessel Excursion and its Moments. Journal of Statistical Physics, 2014, 156, 686-706.	1.2	9
51	Temporal fluctuation scaling in populations and communities. Ecology, 2014, 95, 1701-1709.	3.2	57
52	Transport and the First Passage Time Problem with Application to Cold Atoms in Optical Traps. , 2014, , 502-531.		1
53	Model for macroevolutionary dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2460-9.	7.1	28
54	Microbranching in mode-I fracture in a randomly perturbed lattice. Physical Review E, 2013, 88, 022401.	2.1	6

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55	Mass dependence of instabilities of an oscillator with multiplicative and additive noise. Physical Review E, 2013, 87, 022137.	2.1	12
56	Large population solution of the stochastic Luriaâ€“DelbrÃ¼ck evolution model. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11682-11687.	7.1	64
57	Coexistence in an Inhomogeneous Environment. PLoS ONE, 2013, 8, e62699.	2.5	1
58	Universal Dimer in a Collisionally Opaque Medium: Experimental Observables and Efimov Resonances. Physical Review Letters, 2012, 108, 130403.	7.8	23
59	Scaling theory for the quasideterministic limit of continuous bifurcations. Physical Review E, 2012, 85, 051138.	2.1	6
60	Noise effects in nonlinear biochemical signaling. Physical Review E, 2012, 85, 011901.	2.1	10
61	How input fluctuations reshape the dynamics of a biological switching system. Physical Review E, 2012, 86, 061910.	2.1	12
62	Effects of Input Fluctuations on the Statistical Dynamics of a Biochemical Switch. Biophysical Journal, 2012, 102, 160a.	0.5	0
63	Superaging correlation function and ergodicity breaking for Brownian motion in logarithmic potentials. Physical Review E, 2012, 85, 051124.	2.1	27
64	You Name It â€“ How Memory and Delay Govern First Name Dynamics. PLoS ONE, 2012, 7, e38790.	2.5	13
65	Theory of Fractional LÃ©vy Kinetics for Cold Atoms Diffusing in Optical Lattices. Physical Review Letters, 2012, 108, 230602.	7.8	89
66	Fluctuations of Time Averages for Langevin Dynamics in a Binding Force Field. Physical Review Letters, 2011, 107, 240603.	7.8	38
67	The Birth-Death-Mutation Process: A New Paradigm for Fat Tailed Distributions. PLoS ONE, 2011, 6, e26480.	2.5	19
68	Slicing and Dicing the Genome: AÂStatistical Physics Approach to Population Genetics. Journal of Statistical Physics, 2011, 142, 1302-1316.	1.2	1
69	Solution of the Fokker-Planck Equation with a Logarithmic Potential. Journal of Statistical Physics, 2011, 145, 1524-1545.	1.2	50
70	Propagating mode-I fracture in amorphous materials using the continuous random network model. Physical Review E, 2011, 84, 026102.	2.1	10
71	Effects of Input Noise on a Simple Biochemical Switch. Physical Review Letters, 2011, 107, 148101.	7.8	28
72	Viscous selection of an elliptical dipole. Journal of Fluid Mechanics, 2010, 658, 492-508.	3.4	9

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73	The critical velocity of mode-I fracture in a non-linear lattice in the absence of viscosity. Continuum Mechanics and Thermodynamics, 2010, 22, 505-514.	2.2	5
74	Directed percolation and the extinction transition on a diffusive substrate. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 428-432.	2.6	4
75	Universal features of surname distribution in a subsample of a growing population. Journal of Theoretical Biology, 2010, 262, 245-256.	1.7	22
76	Optimal Strategy for Competence Differentiation in Bacteria. PLoS Genetics, 2010, 6, e1001108.	3.5	31
77	Globally coupled chaotic maps and demographic stochasticity. Physical Review E, 2010, 81, 036111.	2.1	6
78	Transient Localized Patterns in Noise-Driven Reaction-Diffusion Systems. Physical Review Letters, 2010, 104, 158301.	7.8	72
79	Effect of Spontaneous Twist on DNA Minicircles. Biophysical Journal, 2010, 99, 2987-2994.	0.5	3
80	Infinite Covariant Density for Diffusion in Logarithmic Potentials and Optical Lattices. Physical Review Letters, 2010, 105, 120602.	7.8	100
81	Fluctuations and dispersal rates in population dynamics. Physical Review E, 2009, 80, 041907.	2.1	15
82	The effect of spatial heterogeneity on the extinction transition in stochastic population dynamics. New Journal of Physics, 2009, 11, 043017.	2.9	11
83	The Fixation Probability of Rare Mutators in Finite Asexual Populations. Genetics, 2009, 181, 1595-1612.	2.9	37
84	Short- and long-range screening of optical phase singularities and C points. Optics Communications, 2008, 281, 4194-4204.	2.1	6
85	Singularities in speckled speckle: Statistics. Optics Communications, 2008, 281, 5954-5967.	2.1	7
86	Singularities in speckled speckle. Optics Letters, 2008, 33, 479.	3.3	11
87	Singularities in speckled speckle: screening. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 2932.	1.5	1
88	Experimental Measurements of Topological Singularity Screening in Random Paraxial Scalar and Vector Optical Fields. Physical Review Letters, 2008, 100, 103901.	7.8	21
89	Transition Phenomena Induced by Internal Noise and Quasi-Absorbing State. Journal of the Physical Society of Japan, 2008, 77, 044002.	1.6	34
90	Epidemic Size in the SIS Model of Endemic Infections. Journal of Applied Probability, 2008, 45, 757-778.	0.7	7

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91	Novel exponents control the quasi-deterministic limit of the extinction transition. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 292003.	2.1	8
92	Epidemic Size in the SIS Model of Endemic Infections. Journal of Applied Probability, 2008, 45, 757-778.	0.7	14
93	Solution of an infection model near threshold. Physical Review E, 2007, 76, 010901.	2.1	23
94	Extinction Rates for Fluctuation-Induced Metastabilities: A Real-Space WKB Approach. Journal of Statistical Physics, 2007, 127, 861-886.	1.2	112
95	Front Propagation Dynamics with Exponentially-Distributed Hopping. Journal of Statistical Physics, 2006, 122, 925-948.	1.2	3
96	Equation-free dynamic renormalization of a Kardar-Parisi-Zhang-type equation. Physical Review E, 2006, 73, 036703.	2.1	4
97	Fluctuation-induced instabilities in front propagation up a comoving reaction gradient in two dimensions. Physical Review E, 2006, 74, 016119.	2.1	4
98	Analytic approach to the evolutionary effects of genetic exchange. Physical Review E, 2006, 73, 016113.	2.1	10
99	Directional sensing in eukaryotic chemotaxis: A balanced inactivation model. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9761-9766.	7.1	145
100	Equilibrium state of molecular breeding. Journal of Mathematical Biology, 2005, 51, 281-301.	1.9	0
101	Fluctuation-Regularized Front Propagation Dynamics in Reaction-Diffusion Systems. Physical Review Letters, 2005, 94, 158302.	7.8	15
102	Recombination Dramatically Speeds Up Evolution of Finite Populations. Physical Review Letters, 2005, 94, 098102.	7.8	65
103	Front propagation up a reaction rate gradient. Physical Review E, 2005, 72, 066126.	2.1	29
104	Crack-microcrack interactions in dynamical fracture. Physical Review E, 2004, 70, 046107.	2.1	8
105	Distribution functions for filaments under tension. Journal of Chemical Physics, 2004, 121, 1155-1164.	3.0	12
106	Analytical study of the effect of recombination on evolution via DNA shuffling. Physical Review E, 2004, 69, 051911.	2.1	7
107	Does the continuum theory of dynamic fracture work?. Physical Review E, 2003, 68, 036118.	2.1	18
108	Lissajous singularities. Optics Letters, 2003, 28, 111.	3.3	41

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109	Stretching Instability of Helical Springs. Physical Review Letters, 2003, 90, 024301.	7.8	47
110	Effect of curvature and twist on the conformations of a fluctuating ribbon. Journal of Chemical Physics, 2003, 118, 897-904.	3.0	14
111	Comment on â€œSolidification of a Supercooled Liquid in a Narrow Channelâ€• Physical Review Letters, 2002, 88, 149601.	7.8	3
112	Mode-I fracture in a nonlinear lattice with viscoelastic forces. Physical Review E, 2002, 66, 016126.	2.1	24
113	Frenet algorithm for simulations of fluctuating continuous elastic filaments. Physical Review E, 2002, 65, 020801.	2.1	14
114	Mechanisms of cooperativity underlying sequence-independent Î²-sheet formation. Journal of Chemical Physics, 2002, 116, 4353-4365.	3.0	31
115	Steady-state mode I cracks in a viscoelastic triangular lattice. Journal of the Mechanics and Physics of Solids, 2002, 50, 583-613.	4.8	24
116	Inclusion-Exclusion Redux. Electronic Communications in Probability, 2002, 7, .	0.4	6
117	Phase-Field Model of Mode III Dynamic Fracture. Physical Review Letters, 2001, 87, 045501.	7.8	482
118	Critical point trajectory bundles in singular wave fields. Optics Communications, 2001, 187, 71-90.	2.1	34
119	A new crack at friction. Nature, 2001, 413, 260-261.	27.8	17
120	Microscopic Selection of Fluid Fingering Patterns. Physical Review Letters, 2001, 86, 4532-4535.	7.8	14
121	Two State Behavior in a Solvable Model ofÎ²-Hairpin Folding. Physical Review Letters, 2000, 84, 3490-3493.	7.8	13
122	Steady-state cracks in viscoelastic lattice models. II. Physical Review E, 2000, 61, 2348-2360.	2.1	21
123	How does a beta -hairpin fold/unfold? Competition between topology and heterogeneity in a solvable model. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 10775-10779.	7.1	16
124	Nonlinear lattice model of viscoelastic mode III fracture. Physical Review E, 2000, 63, 016118.	2.1	21
125	Steady-state cracks in viscoelastic lattice models. Physical Review E, 1999, 59, 5154-5164.	2.1	33
126	Arrested cracks in nonlinear lattice models of brittle fracture. Physical Review E, 1999, 60, 7569-7571.	2.1	15

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127	Evolution on a Smooth Landscape: The Role of Bias. Journal of Statistical Physics, 1998, 90, 191-210.	1.2	18
128	Fluctuation-induced diffusive instabilities. Nature, 1998, 394, 556-558.	27.8	111
129	Distributions of triplets in genetic sequences. Physica A: Statistical Mechanics and Its Applications, 1998, 252, 48-60.	2.6	0
130	Wrinkling of stable fronts in viscous flow. Physica A: Statistical Mechanics and Its Applications, 1998, 249, 96-102.	2.6	0
131	Level-crossing densities in random wave fields. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 1608.	1.5	9
132	Front propagation: Precursors, cutoffs, and structural stability. Physical Review E, 1998, 58, 107-114.	2.1	122
133	Mutator Dynamics on a Smooth Evolutionary Landscape. Physical Review Letters, 1998, 80, 2012-2015.	7.8	34
134	Universal Gaussian falloff in soliton tails. Physical Review E, 1998, 58, 7924-7927.	2.1	1
135	Transparent diffusion-limited aggregation in one dimension. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 77, 1313-1321.	0.6	1
136	Diffusive boundary layers in the free-surface excitable medium spiral. Physical Review E, 1997, 55, R3847-R3850.	2.1	0
137	Evolution on a smooth landscape. Journal of Statistical Physics, 1997, 87, 519-544.	1.2	61
138	Spirals in excitable media. II: Meandering transition in the diffusive free-boundary limit. Physica D: Nonlinear Phenomena, 1997, 105, 207-225.	2.8	9
139	Computational modeling of mound development in Dictyostelium. Physica D: Nonlinear Phenomena, 1997, 106, 375-388.	2.8	30
140	Spirals in excitable media: the free-boundary limit with diffusion. Physica D: Nonlinear Phenomena, 1996, 97, 509-516.	2.8	13
141	Phase autocorrelation of random wave fields. Optics Communications, 1996, 124, 321-332.	2.1	18
142	Meandering instability of a spiral interface in the free boundary limit. Physical Review E, 1996, 54, 6065-6069.	2.1	13
143	RNA Virus Evolution via a Fitness-Space Model. Physical Review Letters, 1996, 76, 4440-4443.	7.8	240
144	Drift of spiral waves in excitable media. Physica D: Nonlinear Phenomena, 1995, 85, 142-155.	2.8	21

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145	Coexistence of symmetric and parity-broken dendrites in a channel. Physica A: Statistical Mechanics and Its Applications, 1995, 213, 451-464.	2.6	31
146	Interaction of spiral waves with external fields in excitable media. Physical Review E, 1995, 52, 5974-5978.	2.1	8
147	Tilted arrays of dendrites. Physical Review E, 1995, 51, R20-R23.	2.1	5
148	Boundary-induced drift of spirals in excitable media. Physical Review E, 1994, 50, R2395-R2398.	2.1	21
149	Theory of the spiral core in excitable media. Physica D: Nonlinear Phenomena, 1994, 70, 115-139.	2.8	23
150	Pattern formation inDictyosteliumvia the dynamics of cooperative biological entities. Physical Review E, 1993, 48, 4801-4804.	2.1	123
151	Interaction between a drifting spiral and defects. Physical Review E, 1993, 47, R800-R803.	2.1	45
152	MBE Growth and Surface Diffusion. NATO ASI Series Series B: Physics, 1993, , 57-63.	0.2	0
153	Outer Stability of Spirals in Excitable Media. Europhysics Letters, 1992, 19, 553-558.	2.0	2
154	Spiral core in singly diffusive excitable media. Physical Review Letters, 1992, 68, 401-404.	7.8	33
155	Spiral-core meandering in excitable media. Physical Review A, 1992, 46, 5264-5267.	2.5	15
156	Kinetic Roughening in Surface Growth. Materials Research Society Symposia Proceedings, 1992, 278, 237.	0.1	3
157	Molecular-beam epitaxial growth and surface diffusion. Physical Review Letters, 1992, 69, 100-103.	7.8	89
158	Spiral selection as a free boundary problem. Physica D: Nonlinear Phenomena, 1991, 49, 90-97.	2.8	7
159	Interface fluctuations in random media. Physical Review A, 1991, 43, 4551-4554.	2.5	111
160	Maximal dendrite size in monolayer systems. Physical Review Letters, 1991, 67, 3121-3123.	7.8	13
161	Selection of the Viscous Finger in the 90Â° Geometry. Europhysics Letters, 1990, 13, 161-166.	2.0	25
162	A Geometrical Model for Spirals: a Possible Paradigm for Belousov-Zhabotinskii. Europhysics Letters, 1990, 12, 465-470.	2.0	2

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163	Stability of traveling waves in the Belousov-Zhabotinskii reaction. Physical Review A, 1990, 41, 5418-5430.	2.5	22
164	Unbridled growth of spin-glass clusters. Physical Review B, 1990, 41, 4778-4780.	3.2	6
165	Roughening phase transition in surface growth. Physical Review Letters, 1990, 64, 926-929.	7.8	92
166	Comment on â€˜â€˜Phase transition in a restricted solid-on-solid surface-growth model in 2+1 dimensionsâ€™â€™. Physical Review Letters, 1990, 65, 661-661.	7.8	2
167	Coupled-map lattice model for crystal growth. Physical Review A, 1990, 42, 6125-6128.	2.5	26
168	Linear stability of directional solidification cells. Physical Review A, 1990, 41, 3197-3205.	2.5	10
169	Stability of Travelling Waves in the Belousov-Zhabotinskii Reaction. NATO ASI Series Series B: Physics, 1990, , 299-311.	0.2	0
170	Cellular solutions for highly nonequilibrium directional solidification. Physical Review A, 1989, 39, 3208-3210.	2.5	4
171	Steady-state cellular growth during directional solidification. Physical Review A, 1989, 39, 3041-3052.	2.5	61
172	Velocity selection for Taylor bubbles. Physical Review A, 1989, 39, 5462-5465.	2.5	5
173	Effect of diffusion on patterns in excitable Belousov-Zhabotinskii systems. Physica D: Nonlinear Phenomena, 1989, 39, 1-14.	2.8	24
174	Computational approach to steady-state eutectic growth. Journal of Crystal Growth, 1989, 94, 871-879.	1.5	6
175	Pattern selection in three dimensional dendritic growth. Acta Metallurgica, 1988, 36, 2693-2706.	2.1	99
176	Pattern selection in fingered growth phenomena. Advances in Physics, 1988, 37, 255-339.	14.4	932
177	TIP INSTABILITY DURING CONFINED DIFFUSION-LIMITED GROWTH. Modern Physics Letters B, 1988, 02, 945-951.	1.9	7
178	Towards a Theory of Interfacial Pattern Formation. , 1988, , 83-93.		0
179	Determining the Wavelength of Dendritic Sidebranches. Europhysics Letters, 1987, 4, 215-221.	2.0	37
180	Stability of the dense radial morphology in diffusive pattern formation. Physical Review Letters, 1987, 59, 2315-2318.	7.8	104

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181	Growth velocity of three-dimensional dendritic crystals. Physical Review A, 1987, 36, 4123-4126.	2.5	44
182	Discrete set selection of Saffmanâ€“Taylor fingers. Physics of Fluids, 1987, 30, 1246.	1.4	18
183	Pattern Formation Far from Equilibrium : The Free Space Dendritic Crystal. , 1987, , 1-11.		8
184	The geometrical model of dendritic growth: The small velocity limit. Physica D: Nonlinear Phenomena, 1986, 21, 371-380.	2.8	9
185	Velocity selection in dendritic growth. Physical Review B, 1986, 33, 7867-7870.	3.2	83
186	Steady-state dendritic crystal growth. Physical Review A, 1986, 33, 3352-3357.	2.5	117
187	Coalescence of Saffman-Taylor fingers: A new global instability. Physical Review A, 1986, 33, 3625-3627.	2.5	25
188	Dendritic growth in a channel. Physical Review A, 1986, 34, 4980-4987.	2.5	81
189	Theory of the Saffman-Taylor â€˜â€˜fingerâ€™â€™ pattern. I. Physical Review A, 1986, 33, 2621-2633.	2.5	63
190	Stability of Dendritic Crystals. Physical Review Letters, 1986, 57, 3069-3072.	7.8	161
191	Theory of the Saffman-Taylor â€˜â€˜fingerâ€™â€™ pattern. II. Physical Review A, 1986, 33, 2634-2639.	2.5	54
192	Infinite N (Ï•2)33 on the lattice. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 157, 416-420.	4.1	15
193	Stability of finger patterns in Hele-Shaw cells. Physical Review A, 1985, 32, 1930-1933.	2.5	58
194	Geometrical models of interface evolution. III. Theory of dendritic growth. Physical Review A, 1985, 31, 1712-1717.	2.5	111
195	A study of (Ï€2)33 at N = âˆž. Nuclear Physics B, 1985, 257, 695-728.	2.5	37
196	Geometrical models of interface evolution. II. Numerical simulation. Physical Review A, 1984, 30, 3161-3174.	2.5	129
197	Bardeen-Moshe-Bander Fixed Point and the Ultraviolet Triviality of(Î¦â†'2)33. Physical Review Letters, 1984, 53, 2071-2074.	7.8	39
198	Numerical simulation of two-dimensional snowflake growth. Physical Review A, 1984, 30, 2820-2823.	2.5	78

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199	Simple models of interface growth. Physica D: Nonlinear Phenomena, 1984, 12, 241-244.	2.8	3
200	Geometrical models of interface evolution. Physical Review A, 1984, 29, 1335-1342.	2.5	238
201	Steady-state dendritic growth at non-zero capillarity. Scripta Metallurgica, 1984, 18, 463-466.	1.2	5
202	Link fermions and dynamically correlated paths for lattice gauge theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 126, 359-365.	4.1	3
203	Geometrical Approach to Moving-Interface Dynamics. Physical Review Letters, 1983, 51, 1111-1114.	7.8	191
204	Onset of asymptotically free scaling. Physical Review D, 1982, 26, 959-962.	4.7	2
205	SU(2) adjoint Higgs model. Physical Review D, 1982, 25, 3319-3324.	4.7	29
206	Dynamics of SU(2) lattice gauge theories. Nuclear Physics B, 1982, 205, 77-106.	2.5	39
207	Classical behavior of large N fermionic systems. Annals of Physics, 1981, 133, 13-27.	2.8	1
208	N-body dynamics and the collective field method. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 81, 9-11.	2.1	2
209	Monopole Condensation and the Lattice-Quantum-Chromodynamics Crossover. Physical Review Letters, 1981, 47, 621-624.	7.8	57