

Mehran Kardar

List of Publications by Year in descending order

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284
papers

21,690
citations

13332

70
h-index

11946

139
g-index

290
all docs

290
docs citations

290
times ranked

11068
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple model for how the risk of pandemics from different virus families depends on viral and human traits. <i>Mathematical Biosciences</i> , 2022, 343, 108732.	0.9	2
2	Seascape origin of Richards growth. <i>Physical Review E</i> , 2022, 105, 014417.	0.8	0
3	Inferring the intrinsic mutational fitness landscape of influenzalike evolving antigens from temporally ordered sequence data. <i>Physical Review E</i> , 2022, 105, 024401.	0.8	0
4	Disordered boundaries destroy bulk phase separation in scalar active matter. <i>Physical Review E</i> , 2022, 105, 044603.	0.8	12
5	Something Can Come of Nothing: Surface Approaches to Quantum Fluctuations and the Casimir Force. <i>Annual Review of Nuclear and Particle Science</i> , 2022, 72, 93-118.	3.5	5
6	Disorder-Induced Long-Ranged Correlations in Scalar Active Matter. <i>Physical Review Letters</i> , 2021, 126, 048003.	2.9	22
7	Distinct critical behaviors from the same state in quantum spin and population dynamics perspectives. <i>Physical Review E</i> , 2021, 103, 012106.	0.8	0
8	Active motion of passive asymmetric dumbbells in a non-equilibrium bath. <i>Journal of Chemical Physics</i> , 2021, 154, 024109.	1.2	6
9	Studying Viral Populations with Tools from Quantum Spin Chains. <i>Journal of Statistical Physics</i> , 2021, 182, 1.	0.5	0
10	Near Field Propulsion Forces from Nonreciprocal Media. <i>Physical Review Letters</i> , 2021, 126, 170401.	2.9	18
11	Behavior-dependent critical dynamics in collective states of active particles. <i>Europhysics Letters</i> , 2021, 134, 64001.	0.7	11
12	Population extinction on a random fitness seascape. <i>Physical Review E</i> , 2020, 102, 052106.	0.8	5
13	Activated diffusiophoresis. <i>Journal of Chemical Physics</i> , 2020, 152, 084109.	1.2	4
14	Percolation of sites not removed by a random walker in d dimensions. <i>Physical Review E</i> , 2019, 100, 022125.	0.8	2
15	Spatial optimization for radiation therapy of brain tumours. <i>PLoS ONE</i> , 2019, 14, e0217354.	1.1	7
16	Evolution in range expansions with competition at rough boundaries. <i>Journal of Theoretical Biology</i> , 2019, 478, 153-160.	0.8	15
17	Pinning of diffusional patterns by non-uniform curvature. <i>Europhysics Letters</i> , 2019, 127, 48001.	0.7	9
18	Bacterial range expansions on a growing front: Roughness, fixation, and directed percolation. <i>Physical Review E</i> , 2019, 99, 042134.	0.8	12

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19	Pair dispersion in dilute suspension of active swimmers. <i>Journal of Chemical Physics</i> , 2019, 150, 064907.	1.2	5
20	Ramifications of disorder on active particles in one dimension. <i>Physical Review E</i> , 2019, 100, 052610.	0.8	18
21	How nonuniform contact profiles of T cell receptors modulate thymic selection outcomes. <i>Physical Review E</i> , 2018, 97, 032413.	0.8	7
22	Nonequilibrium forces following quenches in active and thermal matter. <i>Physical Review E</i> , 2018, 97, 032125.	0.8	15
23	Localization of random walks to competing manifolds of distinct dimensions. <i>Physical Review E</i> , 2018, 98, 022108.	0.8	1
24	The low spike density of HIV may have evolved because of the effects of T helper cell depletion on affinity maturation. <i>PLoS Computational Biology</i> , 2018, 14, e1006408.	1.5	18
25	Transient Casimir Forces from Quenches in Thermal and Active Matter. <i>Physical Review Letters</i> , 2017, 118, 015702.	2.9	18
26	Nonequilibrium Fluctuational Quantum Electrodynamics: Heat Radiation, Heat Transfer, and Force. <i>Annual Review of Condensed Matter Physics</i> , 2017, 8, 119-143.	5.2	75
27	Attractive and repulsive polymer-mediated forces between scale-free surfaces. <i>Physical Review E</i> , 2017, 96, 022148.	0.8	4
28	Optimal paths on the road network as directed polymers. <i>Physical Review E</i> , 2017, 96, 050301.	0.8	0
29	Pinning and unbinding of ideal polymers from a wedge corner. <i>Physical Review E</i> , 2017, 96, 062132.	0.8	3
30	A Population Dynamics Model for Clonal Diversity in a Germinal Center. <i>Frontiers in Microbiology</i> , 2017, 8, 1693.	1.5	35
31	Spectroscopic probe of the van der Waals interaction between polar molecules and a curved surface. <i>Physical Review A</i> , 2016, 94, .	1.0	8
32	Active Particles with Soft and Curved Walls: Equation of State, Ratchets, and Instabilities. <i>Physical Review Letters</i> , 2016, 117, 098001.	2.9	132
33	Flight of a heavy particle nonlinearly coupled to a quantum bath. <i>Physical Review B</i> , 2016, 93, .	1.1	8
34	Identification of drug resistance mutations in HIV from constraints on natural evolution. <i>Physical Review E</i> , 2016, 93, 022412.	0.8	31
35	Probability distributions for directed polymers in random media with correlated noise. <i>Physical Review E</i> , 2016, 94, 010101.	0.8	10
36	Optimal immunization cocktails can promote induction of broadly neutralizing Abs against highly mutable pathogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7039-E7048.	3.3	53

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37	Casimir-Polder force between anisotropic nanoparticles and gently curved surfaces. <i>Physical Review D</i> , 2015, 92, .	1.6	16
38	Coalescence Model for Crumpled Globules Formed in Polymer Collapse. <i>Physical Review Letters</i> , 2015, 115, 088303.	2.9	14
39	Self-assembly and plasticity of synaptic domains through a reaction-diffusion mechanism. <i>Physical Review E</i> , 2015, 92, 032705.	0.8	19
40	Manipulating the Selection Forces during Affinity Maturation to Generate Cross-Reactive HIV Antibodies. <i>Cell</i> , 2015, 160, 785-797.	13.5	173
41	Scaling laws describe memories of host-pathogen response in the HIV population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1965-1970.	3.3	32
42	Fluctuation-Induced Forces in Nonequilibrium Diffusive Dynamics. <i>Physical Review Letters</i> , 2015, 114, 230602.	2.9	42
43	Reversing the critical Casimir force by shape deformation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 743, 138-142.	1.5	13
44	Pressure and Phase Equilibria in Interacting Active Brownian Spheres. <i>Physical Review Letters</i> , 2015, 114, 198301.	2.9	268
45	Pressure is not a state function for generic active fluids. <i>Nature Physics</i> , 2015, 11, 673-678.	6.5	356
46	Casimir-Polder interaction for gently curved surfaces. <i>Physical Review D</i> , 2014, 90, .	1.6	21
47	Nonequilibrium quantum fluctuations of a dispersive medium: Spontaneous emission, photon statistics, entropy generation, and stochastic motion. <i>Physical Review A</i> , 2014, 90, .	1.0	19
48	Linear response relations in fluctuational electrodynamics. <i>Physical Review B</i> , 2013, 88, .	1.1	23
49	Quantum Cherenkov radiation and noncontact friction. <i>Physical Review A</i> , 2013, 88, .	1.0	52
50	Quorum sensing allows T cells to discriminate between self and nonself. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11833-11838.	3.3	63
51	Faithful Models of Viral Fitness can be Inferred from Mutation Patterns in Viral DNA Sequences Sampled from a Population. <i>Biophysical Journal</i> , 2013, 104, 495a-496a.	0.2	0
52	Statistical Physics of T-Cell Development and Pathogen Specificity. <i>Annual Review of Condensed Matter Physics</i> , 2013, 4, 339-360.	5.2	4
53	The Effects of Somatic Hypermutation on Neutralization and Binding in the PGT121 Family of Broadly Neutralizing HIV Antibodies. <i>PLoS Pathogens</i> , 2013, 9, e1003754.	2.1	175
54	Conformal field theory of critical Casimir interactions in 2D. <i>Europhysics Letters</i> , 2013, 104, 21001.	0.7	25

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55	Interplay of roughness/modulation and curvature for surface interactions at proximity. Europhysics Letters, 2013, 104, 41001.	0.7	20
56	Spin models inferred from patient-derived viral sequence data faithfully describe HIV fitness landscapes. Physical Review E, 2013, 88, 062705.	0.8	78
57	Scattering approach to the dynamical Casimir effect. Physical Review D, 2013, 87, .	1.6	47
58	Small distance expansion for radiative heat transfer between curved objects. Europhysics Letters, 2013, 101, 34002.	0.7	14
59	Material dependence of Casimir forces: Gradient expansion beyond proximity. Applied Physics Letters, 2012, 100, .	1.5	91
60	Polymer-mediated entropic forces between scale-free objects. Physical Review E, 2012, 86, 061801.	0.8	23
61	Casimir forces beyond the proximity approximation. Europhysics Letters, 2012, 97, 50001.	0.7	118
62	Trace formulas for nonequilibrium Casimir interactions, heat radiation, and heat transfer for arbitrary objects. Physical Review B, 2012, 86, .	1.1	160
63	The Influence of T Cell Development on Pathogen Specificity and Autoreactivity. Journal of Statistical Physics, 2012, 149, 203-219.	0.5	4
64	Casimir forces between cylinders at different temperatures. Physical Review D, 2012, 85, .	1.6	16
65	Heat radiation from long cylindrical objects. Physical Review E, 2012, 85, 046603.	0.8	61
66	Spontaneous Emission by Rotating Objects: A Scattering Approach. Physical Review Letters, 2012, 108, 230403.	2.9	43
67	Nonequilibrium Electromagnetic Fluctuations: Heat Transfer and Interactions. Physical Review Letters, 2011, 106, 210404.	2.9	151
68	Dilution and resonance-enhanced repulsion in nonequilibrium fluctuation forces. Physical Review A, 2011, 84, .	1.0	24
69	Non-equilibrium Casimir forces: Spheres and sphere-plate. Europhysics Letters, 2011, 95, 21002.	0.7	54
70	Edouard BrÅ©zin: Introduction to Statistical Field Theory. Journal of Statistical Physics, 2011, 142, 1121-1122.	0.5	0
71	Entropic force of polymers on a cone tip. Europhysics Letters, 2011, 96, 66002.	0.7	24
72	Electromagnetic Casimir forces of parabolic cylinder and knife-edge geometries. Physical Review D, 2011, 83, .	1.6	16

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73	Formation and Stability of Synaptic Receptor Domains. <i>Physical Review Letters</i> , 2011, 106, 238104.	2.9	35
74	Analytical results on Casimir forces for conductors with edges and tips. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6867-6871.	3.3	43
75	Quantitative Model for Efficient Temporal Targeting of Tumor Cells and Neovasculature. <i>Computational and Mathematical Methods in Medicine</i> , 2011, 2011, 1-10.	0.7	13
76	The statistics of lines in natural images and implications for visual detection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2975-2980.	1.2	0
77	First-passage distributions in a collective model of anomalous diffusion with tunable exponent. <i>Physical Review E</i> , 2010, 81, 011107.	0.8	35
78	Only signaling modules that discriminate sharply between stimulatory and nonstimulatory inputs require basal signaling for fast cellular responses. <i>Journal of Chemical Physics</i> , 2010, 133, 105101.	1.2	5
79	A Stevedore's Protein Knot. <i>PLoS Computational Biology</i> , 2010, 6, e1000731.	1.5	149
80	Casimir force at a knife-edge. <i>Physical Review D</i> , 2010, 81, .	1.6	31
81	Long range interactions in nanoscale science. <i>Reviews of Modern Physics</i> , 2010, 82, 1887-1944.	16.4	359
82	Constraints on Stable Equilibria with Fluctuation-Induced (Casimir) Forces. <i>Physical Review Letters</i> , 2010, 105, 070404.	2.9	71
83	Unusual percolation in simple small-world networks. <i>Physical Review E</i> , 2009, 79, 066112.	0.8	2
84	Orientation dependence of Casimir forces. <i>Physical Review A</i> , 2009, 79, .	1.0	44
85	Configurations of polymers attached to probes. <i>Europhysics Letters</i> , 2009, 88, 48001.	0.7	9
86	One-dimensional gas of hard needles. <i>Physical Review E</i> , 2009, 79, 041109.	0.8	18
87	Universality in the jamming limit for elongated hard particles in one dimension. <i>Europhysics Letters</i> , 2009, 87, 60002.	0.7	12
88	Positive feedback regulation results in spatial clustering and fast spreading of active signaling molecules on a cell membrane. <i>Journal of Chemical Physics</i> , 2009, 130, 245102.	1.2	30
89	Structure and dynamics of vibrated granular chains: Comparison to equilibrium polymers. <i>Physical Review E</i> , 2009, 79, 061304.	0.8	34
90	Thymic Selection of T-Cell Receptors as an Extreme Value Problem. <i>Physical Review Letters</i> , 2009, 103, 068103.	2.9	43

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91	Scattering theory approach to electrodynamic Casimir forces. <i>Physical Review D</i> , 2009, 80, .	1.6	269
92	The elusiveness of polymer knots. <i>European Physical Journal B</i> , 2008, 64, 519-523.	0.6	8
93	Defects in nematic membranes can buckle into pseudospheres. <i>Physical Review E</i> , 2008, 77, 041705.	0.8	49
94	How the thymus designs antigen-specific and self-tolerant T cell receptor sequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16671-16676.	3.3	119
95	Predicting transcription factor specificity with all-atom models. <i>Nucleic Acids Research</i> , 2008, 36, 6209-6217.	6.5	14
96	Casimir forces between compact objects: The scalar case. <i>Physical Review D</i> , 2008, 77, .	1.6	130
97	Probability distributions for polymer translocation. <i>Physical Review E</i> , 2008, 78, 021129.	0.8	40
98	Nonmonotonic effects of parallel sidewalls on Casimir forces between cylinders. <i>Physical Review A</i> , 2008, 77, .	1.0	38
99	Melting of persistent double-stranded polymers. <i>Physical Review E</i> , 2008, 78, 051910.	0.8	13
100	Casimir forces between cylinders and plates. <i>Physical Review A</i> , 2008, 78, .	1.0	101
101	First-passage times and distances along critical curves. <i>Europhysics Letters</i> , 2007, 80, 40006.	0.7	9
102	Thinning of superfluid films below the critical point. <i>Physical Review E</i> , 2007, 76, 030601.	0.8	51
103	Anomalous diffusion with absorbing boundary. <i>Physical Review E</i> , 2007, 76, 061121.	0.8	53
104	Protein knot server: detection of knots in protein structures. <i>Nucleic Acids Research</i> , 2007, 35, W425-W428.	6.5	91
105	Purely stochastic binary decisions in cell signaling models without underlying deterministic bistabilities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18958-18963.	3.3	109
106	Dynamics of tumor growth and combination of anti-angiogenic and cytotoxic therapies. <i>Physics in Medicine and Biology</i> , 2007, 52, 3665-3677.	1.6	60
107	Fractional Laplacian in bounded domains. <i>Physical Review E</i> , 2007, 76, 021116.	0.8	179
108	Casimir Forces between Arbitrary Compact Objects. <i>Physical Review Letters</i> , 2007, 99, 170403.	2.9	307

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109	Casimir forces in a piston geometry at zero and finite temperatures. <i>Physical Review D</i> , 2007, 76, .	1.6	84
110	Casimir Interaction between a Plate and a Cylinder. <i>Physical Review Letters</i> , 2006, 96, 080403.	2.9	225
111	Patterns and Symmetries in the Visual Cortex and in Natural Images. <i>Journal of Statistical Physics</i> , 2006, 125, 1243-1266.	0.5	4
112	Intricate Knots in Proteins: Function and Evolution. <i>PLoS Computational Biology</i> , 2006, 2, e122.	1.5	286
113	Untangling influences of hydrophobicity on protein sequences and structures. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 62, 1101-1106.	1.5	3
114	Attractive Casimir Forces in a Closed Geometry. <i>Physical Review Letters</i> , 2005, 95, 250402.	2.9	142
115	Capturing knots in polymers. <i>Chaos</i> , 2005, 15, 041103.	1.0	4
116	Apex Exponents for Polymer-Probe Interactions. <i>Physical Review Letters</i> , 2005, 94, 198303.	2.9	8
117	Symmetry-Breaking Motility. <i>Physical Review Letters</i> , 2005, 95, 138101.	2.9	20
118	Correlation and Cross-Linking Effects in Imprinting Sites for Divalent Adsorption in Gels. <i>Journal of Physical Chemistry B</i> , 2005, 109, 6636-6639.	1.2	12
119	Knots in Globule and Coil Phases of a Model Polyethylene. <i>Journal of the American Chemical Society</i> , 2005, 127, 15102-15106.	6.6	154
120	Anomalous dynamics of forced translocation. <i>Physical Review E</i> , 2004, 69, 021806.	0.8	258
121	Information flow through a chaotic channel: Prediction and postdiction at finite resolution. <i>Physical Review E</i> , 2004, 70, 026205.	0.8	10
122	Casimir Forces, Surface Fluctuations, and Thinning of Superfluid Film. <i>Physical Review Letters</i> , 2004, 93, 155302.	2.9	46
123	Diffusion in correlated random potentials, with applications to DNA. <i>Physical Review E</i> , 2004, 69, 061903.	0.8	98
124	THE SURFACE STATISTICS OF A GROWING AGGREGATE. , 2004, , 344-363.		0
125	Interplay between phase ordering and roughening on growing films. <i>European Physical Journal B</i> , 2003, 36, 401-410.	0.6	12
126	Tight and loose shapes in flat entangled dense polymers. <i>European Physical Journal E</i> , 2003, 12, 347-354.	0.7	18

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127	Normal and lateral Casimir forces between deformed plates. <i>Physical Review A</i> , 2003, 67, .	1.0	167
128	Effective Membrane Model of the Immunological Synapse. <i>Physical Review Letters</i> , 2003, 91, 208101.	2.9	46
129	Structure space of model proteins: A principal component analysis. <i>Journal of Chemical Physics</i> , 2003, 118, 4277-4284.	1.2	8
130	Symmetry considerations and development of pinwheels in visual maps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 16036-16040.	3.3	23
131	Nonlinear stochastic equations with calculable steady states. <i>Physical Review E</i> , 2003, 68, 046108.	0.8	7
132	Tightness of slip-linked polymer chains. <i>Physical Review E</i> , 2002, 65, 061103.	0.8	29
133	Force-extension relations for polymers with sliding links. <i>Physical Review E</i> , 2002, 66, 022102.	0.8	17
134	Passive sliders on growing surfaces and advection in Burger's flows. <i>Physical Review B</i> , 2002, 66, .	1.1	26
135	Knots in charged polymers. <i>Physical Review E</i> , 2002, 66, 031802.	0.8	40
136	Correlation functions near modulated and rough surfaces. <i>Physical Review E</i> , 2002, 65, 046121.	0.8	8
137	Information optimization in coupled audio-visual cortical maps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15894-15897.	3.3	8
138	Equilibrium Shapes of Flat Knots. <i>Physical Review Letters</i> , 2002, 88, 188101.	2.9	92
139	Pulling knotted polymers. <i>Europhysics Letters</i> , 2002, 60, 53-59.	0.7	71
140	Probability distributions of line lattices in random media from the 1D Bose gas. <i>Nuclear Physics B</i> , 2001, 604, 479-510.	0.9	18
141	Macroscopic equations for pattern formation in mixtures of microtubules and molecular motors. <i>Physical Review E</i> , 2001, 64, 056113.	0.8	104
142	Modified Critical Correlations Close to Modulated and Rough Surfaces. <i>Physical Review Letters</i> , 2001, 86, 4596-4599.	2.9	10
143	Anomalous dynamics of translocation. <i>Physical Review E</i> , 2001, 65, 011802.	0.8	267
144	Free Energy Self-Averaging in Protein-Sized Random Heteropolymers. <i>Physical Review Letters</i> , 2001, 87, 078104.	2.9	13

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145	Probing the Strong Boundary Shape Dependence of the Casimir Force. <i>Physical Review Letters</i> , 2001, 87, 260402.	2.9	169
146	MELTING OF FLUX LINES IN AN ALTERNATING PARALLEL CURRENT. , 2000, , .		0
147	Roughness and ordering of growing films. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 281, 295-310.	1.2	37
148	Elasticity and melting of vortex crystals in anisotropic superconductors: Beyond the continuum regime. <i>Physical Review B</i> , 2000, 62, 5942-5956.	1.1	7
149	Phase Ordering and Roughening on Growing Films. <i>Physical Review Letters</i> , 2000, 85, 614-617.	2.9	57
150	Thermodynamic Fingerprints of Disorder in Flux Line Lattices and Other Glassy Mesoscopic Systems. <i>Physical Review Letters</i> , 2000, 85, 2176-2179.	2.9	6
151	Instability and fluctuations of flux lines with point impurities in a parallel current. <i>Physical Review B</i> , 2000, 61, 11729-11738.	1.1	5
152	FLUCTUATION-INDUCED PHENOMENA: FROM BIOPHYSICS TO CAVITY QED. , 2000, , 229-260.		0
153	STOCHASTIC DYNAMICS OF GROWING FILMS. , 2000, , 1-47.		0
154	Collapse of Stiff Polyelectrolytes due to Counterion Fluctuations. <i>Physical Review Letters</i> , 1999, 82, 4456-4459.	2.9	112
155	Melting of flux lines in an alternating parallel current. <i>Physical Review B</i> , 1999, 59, 9637-9641.	1.1	4
156	Transverse Fluctuations of Polyelectrolytes. <i>Physical Review Letters</i> , 1999, 83, 745-748.	2.9	9
157	Critical hysteresis for n-component magnets. <i>Physical Review E</i> , 1999, 59, 1355-1367.	0.8	23
158	First Order Phase Transition and Evidence for Frustrations in Polyampholytic Gels. <i>Physical Review Letters</i> , 1999, 82, 4863-4865.	2.9	69
159	Ordering phenomena on growing films. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 263, 345-353.	1.2	8
160	A geometric generalization of field theory to manifolds of arbitrary dimension. <i>European Physical Journal B</i> , 1999, 7, 187-190.	0.6	4
161	The "friction" of vacuum, and other fluctuation-induced forces. <i>Reviews of Modern Physics</i> , 1999, 71, 1233-1245.	16.4	610
162	Nonequilibrium dynamics of interfaces and lines. <i>Physics Reports</i> , 1998, 301, 85-112.	10.3	181

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163	Necklace model of randomly charged polymers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 249, 301-306.	1.2	17
164	Generalizing the O(N)-field theory to N-colored manifolds of arbitrary internal dimension D. <i>Nuclear Physics B</i> , 1998, 528, 469-522.	0.9	8
165	Path-integral approach to the dynamic Casimir effect with fluctuating boundaries. <i>Physical Review A</i> , 1998, 58, 1713-1722.	1.0	161
166	Sensitivity of ballistic deposition to pseudorandom number generators. <i>Physical Review E</i> , 1998, 57, 5044-5052.	0.8	23
167	Model for growth of binary alloys with fast surface equilibration. <i>Physical Review E</i> , 1997, 55, 5026-5032.	0.8	24
168	Threading dislocation lines in two-sided flux-array decorations. <i>Physical Review B</i> , 1997, 56, 11903-11906.	1.1	7
169	Mechanical Response of Vacuum. <i>Physical Review Letters</i> , 1997, 78, 3421-3425.	2.9	160
170	Matrix generalizations of some dynamic field theories. <i>Nuclear Physics B</i> , 1996, 464, 449-462.	0.9	11
171	Which Came First, Protein Sequence or Structure?. <i>Science</i> , 1996, 273, 610-0.	6.0	13
172	Dynamic scaling phenomena in growth processes. <i>Physica B: Condensed Matter</i> , 1996, 221, 60-64.	1.3	46
173	Avalanche theory in rice. <i>Nature</i> , 1996, 379, 22-22.	13.7	12
174	Fluctuation-induced interactions between rods on membranes and interfaces. <i>Europhysics Letters</i> , 1996, 33, 241-246.	0.7	77
175	Collapse of Randomly Linked Polymers. <i>Physical Review Letters</i> , 1996, 77, 4275-4275.	2.9	9
176	Anisotropic scaling in threshold critical dynamics of driven directed lines. <i>Physical Review B</i> , 1996, 53, 3520-3542.	1.1	60
177	Conformations of randomly linked polymers. <i>Physical Review E</i> , 1996, 54, 5263-5267.	0.8	14
178	Winding angle distributions for random walks and flux lines. <i>Physical Review E</i> , 1996, 53, 5861-5871.	0.8	40
179	Magnetoconductance anisotropy and interference effects in variable-range hopping. <i>Physical Review B</i> , 1996, 53, 7663-7672.	1.1	11
180	Freezing Transition of Compact Polyampholytes. <i>Physical Review Letters</i> , 1996, 77, 3565-3568.	2.9	29

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181	Fluctuation-induced interactions between rods on a membrane. <i>Physical Review E</i> , 1996, 54, 6725-6734.	0.8	106
182	Scaling of energy barriers for flux lines and other random systems. <i>Physical Review E</i> , 1995, 52, 4841-4852.	0.8	27
183	Randomly charged polymers: An exact enumeration study. <i>Physical Review E</i> , 1995, 52, 835-846.	0.8	50
184	Unusual universality of branching interfaces in random media. <i>Physical Review E</i> , 1995, 52, R1269-R1272.	0.8	39
185	Driven Depinning in Anisotropic Media. <i>Physical Review Letters</i> , 1995, 74, 920-923.	2.9	112
186	Energy Barriers to Motion of Flux Lines in Random Media. <i>Physical Review Letters</i> , 1995, 75, 1170-1173.	2.9	39
187	Adsorption of Polymers on a Fluctuating Surface. <i>Europhysics Letters</i> , 1995, 29, 303-308.	0.7	10
188	Instabilities of charged polyampholytes. <i>Physical Review E</i> , 1995, 51, 1299-1312.	0.8	152
189	Nonequilibrium dynamics of fluctuating lines. <i>NATO ASI Series Series B: Physics</i> , 1995, , 89-110.	0.2	0
190	Excess Charge in Polyampholytes. <i>Europhysics Letters</i> , 1994, 27, 643-648.	0.7	141
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