

Mehran Kardar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

281
papers

18,765
citations

67
h-index

131
g-index

290
ext. papers

20,412
ext. citations

5.6
avg. IF

6.81
L-index

#	Paper	IF	Citations
281	Seascape origin of Richards growth.. <i>Physical Review E</i> , 2022 , 105, 014417	2.4	
280	Inferring the intrinsic mutational fitness landscape of influenzalike evolving antigens from temporally ordered sequence data.. <i>Physical Review E</i> , 2022 , 105, 024401	2.4	
279	Disordered boundaries destroy bulk phase separation in scalar active matter.. <i>Physical Review E</i> , 2022 , 105, 044603	2.4	2
278	A simple model for how the risk of pandemics from different virus families depends on viral and human traits. <i>Mathematical Biosciences</i> , 2021 , 343, 108732	3.9	0
277	Near Field Propulsion Forces from Nonreciprocal Media. <i>Physical Review Letters</i> , 2021 , 126, 170401	7.4	1
276	Behavior-dependent critical dynamics in collective states of active particles. <i>Europhysics Letters</i> , 2021 , 134, 64001	1.6	0
275	Disorder-Induced Long-Ranged Correlations in Scalar Active Matter. <i>Physical Review Letters</i> , 2021 , 126, 048003	7.4	7
274	Distinct critical behaviors from the same state in quantum spin and population dynamics perspectives. <i>Physical Review E</i> , 2021 , 103, 012106	2.4	
273	Active motion of passive asymmetric dumbbells in a non-equilibrium bath. <i>Journal of Chemical Physics</i> , 2021 , 154, 024109	3.9	0
272	Studying Viral Populations with Tools from Quantum Spin Chains. <i>Journal of Statistical Physics</i> , 2021 , 182, 1	1.5	
271	Population extinction on a random fitness seascape. <i>Physical Review E</i> , 2020 , 102, 052106	2.4	3
270	Activated diffusiophoresis. <i>Journal of Chemical Physics</i> , 2020 , 152, 084109	3.9	0
269	Bacterial range expansions on a growing front: Roughness, fixation, and directed percolation. <i>Physical Review E</i> , 2019 , 99, 042134	2.4	9
268	Percolation of sites not removed by a random walker in d dimensions. <i>Physical Review E</i> , 2019 , 100, 022125	2.4	1
267	Spatial optimization for radiation therapy of brain tumours. <i>PLoS ONE</i> , 2019 , 14, e0217354	3.7	2
266	Evolution in range expansions with competition at rough boundaries. <i>Journal of Theoretical Biology</i> , 2019 , 478, 153-160	2.3	3
265	Pinning of diffusional patterns by non-uniform curvature. <i>Europhysics Letters</i> , 2019 , 127, 48001	1.6	2

264	Pair dispersion in dilute suspension of active swimmers. <i>Journal of Chemical Physics</i> , 2019 , 150, 064907	3.9	3
263	Ramifications of disorder on active particles in one dimension. <i>Physical Review E</i> , 2019 , 100, 052610	2.4	14
262	How nonuniform contact profiles of T cell receptors modulate thymic selection outcomes. <i>Physical Review E</i> , 2018 , 97, 032413	2.4	3
261	Nonequilibrium forces following quenches in active and thermal matter. <i>Physical Review E</i> , 2018 , 97, 032125	2.4	9
260	Localization of random walks to competing manifolds of distinct dimensions. <i>Physical Review E</i> , 2018 , 98, 022108	2.4	0
259	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	5	8
258	Transient Casimir Forces from Quenches in Thermal and Active Matter. <i>Physical Review Letters</i> , 2017 , 118, 015702	7.4	13
257	Nonequilibrium Fluctuational Quantum Electrodynamics: Heat Radiation, Heat Transfer, and Force. <i>Annual Review of Condensed Matter Physics</i> , 2017 , 8, 119-143	19.7	38
256	Attractive and repulsive polymer-mediated forces between scale-free surfaces. <i>Physical Review E</i> , 2017 , 96, 022148	2.4	3
255	Optimal paths on the road network as directed polymers. <i>Physical Review E</i> , 2017 , 96, 050301	2.4	
254	Pinning and unbinding of ideal polymers from a wedge corner. <i>Physical Review E</i> , 2017 , 96, 062132	2.4	1
253	A Population Dynamics Model for Clonal Diversity in a Germinal Center. <i>Frontiers in Microbiology</i> , 2017 , 8, 1693	5.7	23
252	Spectroscopic probe of the van der Waals interaction between polar molecules and a curved surface. <i>Physical Review A</i> , 2016 , 94,	2.6	5
251	Active Particles with Soft and Curved Walls: Equation of State, Ratchets, and Instabilities. <i>Physical Review Letters</i> , 2016 , 117, 098001	7.4	98
250	Flight of a heavy particle nonlinearly coupled to a quantum bath. <i>Physical Review B</i> , 2016 , 93,	3.3	6
249	Identification of drug resistance mutations in HIV from constraints on natural evolution. <i>Physical Review E</i> , 2016 , 93, 022412	2.4	21
248	Probability distributions for directed polymers in random media with correlated noise. <i>Physical Review E</i> , 2016 , 94, 010101	2.4	10
247	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	11.5	37

246	Fluctuation-Induced Forces in Nonequilibrium Diffusive Dynamics. <i>Physical Review Letters</i> , 2015 , 114, 230602	7.4	35
245	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	4.2	10
244	Pressure and phase equilibria in interacting active brownian spheres. <i>Physical Review Letters</i> , 2015 , 114, 198301	7.4	222
243	Pressure is not a state function for generic active fluids. <i>Nature Physics</i> , 2015 , 11, 673-678	16.2	276
242	Casimir-Polder force between anisotropic nanoparticles and gently curved surfaces. <i>Physical Review D</i> , 2015 , 92,	4.9	8
241	Coalescence Model for Crumpled Globules Formed in Polymer Collapse. <i>Physical Review Letters</i> , 2015 , 115, 088303	7.4	13
240	Self-assembly and plasticity of synaptic domains through a reaction-diffusion mechanism. <i>Physical Review E</i> , 2015 , 92, 032705	2.4	13
239	Manipulating the selection forces during affinity maturation to generate cross-reactive HIV antibodies. <i>Cell</i> , 2015 , 160, 785-797	56.2	125
238	Scaling laws describe memories of host-pathogen riposte in the HIV population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1965-70	11.5	21
237	Casimir-Polder interaction for gently curved surfaces. <i>Physical Review D</i> , 2014 , 90,	4.9	15
236	Nonequilibrium quantum fluctuations of a dispersive medium: Spontaneous emission, photon statistics, entropy generation, and stochastic motion. <i>Physical Review A</i> , 2014 , 90,	2.6	16
235	Linear response relations in fluctuational electrodynamics. <i>Physical Review B</i> , 2013 , 88,	3.3	17
234	Quantum Cherenkov radiation and noncontact friction. <i>Physical Review A</i> , 2013 , 88,	2.6	43
233	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, 11833-8	11.5	43
232	Statistical Physics of T-Cell Development and Pathogen Specificity. <i>Annual Review of Condensed Matter Physics</i> , 2013 , 4, 339-360	19.7	2
231	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	7.6	144
230	Conformal field theory of critical Casimir interactions in 2D. <i>Europhysics Letters</i> , 2013 , 104, 21001	1.6	24
229	Interplay of roughness/modulation and curvature for surface interactions at proximity. <i>Europhysics Letters</i> , 2013 , 104, 41001	1.6	16

228	Spin models inferred from patient-derived viral sequence data faithfully describe HIV fitness landscapes. <i>Physical Review E</i> , 2013 , 88, 062705	2.4	59
227	Scattering approach to the dynamical Casimir effect. <i>Physical Review D</i> , 2013 , 87,	4.9	38
226	Small distance expansion for radiative heat transfer between curved objects. <i>Europhysics Letters</i> , 2013 , 101, 34002	1.6	12
225	Trace formulas for nonequilibrium Casimir interactions, heat radiation, and heat transfer for arbitrary objects. <i>Physical Review B</i> , 2012 , 86,	3.3	113
224	The Influence of T Cell Development on Pathogen Specificity and Autoreactivity. <i>Journal of Statistical Physics</i> , 2012 , 149, 203-219	1.5	4
223	Casimir forces between cylinders at different temperatures. <i>Physical Review D</i> , 2012 , 85,	4.9	10
222	Heat radiation from long cylindrical objects. <i>Physical Review E</i> , 2012 , 85, 046603	2.4	48
221	Spontaneous emission by rotating objects: a scattering approach. <i>Physical Review Letters</i> , 2012 , 108, 230403	7.4	37
220	Material dependence of Casimir forces: Gradient expansion beyond proximity. <i>Applied Physics Letters</i> , 2012 , 100, 074110	3.4	79
219	Polymer-mediated entropic forces between scale-free objects. <i>Physical Review E</i> , 2012 , 86, 061801	2.4	19
218	Casimir forces beyond the proximity approximation. <i>Europhysics Letters</i> , 2012 , 97, 50001	1.6	101
217	Nonequilibrium electromagnetic fluctuations: heat transfer and interactions. <i>Physical Review Letters</i> , 2011 , 106, 210404	7.4	129
216	Dilution and resonance-enhanced repulsion in nonequilibrium fluctuation forces. <i>Physical Review A</i> , 2011 , 84,	2.6	17
215	Non-equilibrium Casimir forces: Spheres and sphere-plate. <i>Europhysics Letters</i> , 2011 , 95, 21002	1.6	37
214	Edouard Brzin: Introduction to Statistical Field Theory. <i>Journal of Statistical Physics</i> , 2011 , 142, 1121-1122.5		
213	Entropic force of polymers on a cone tip. <i>Europhysics Letters</i> , 2011 , 96, 66002	1.6	20
212	Electromagnetic Casimir forces of parabolic cylinder and knife-edge geometries. <i>Physical Review D</i> , 2011 , 83,	4.9	14
211	Formation and stability of synaptic receptor domains. <i>Physical Review Letters</i> , 2011 , 106, 238104	7.4	27

210	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	11.5	34
209	Quantitative model for efficient temporal targeting of tumor cells and neovasculature. <i>Computational and Mathematical Methods in Medicine</i> , 2011 , 2011, 790721	2.8	10
208	First-passage distributions in a collective model of anomalous diffusion with tunable exponent. <i>Physical Review E</i> , 2010 , 81, 011107	2.4	28
207	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	3.9	5
206	A Stevedore's protein knot. <i>PLoS Computational Biology</i> , 2010 , 6, e1000731	5	125
205	Casimir force at a knife-edge. <i>Physical Review D</i> , 2010 , 81,	4.9	28
204	Long range interactions in nanoscale science. <i>Reviews of Modern Physics</i> , 2010 , 82, 1887-1944	40.5	304
203	Constraints on stable equilibria with fluctuation-induced (Casimir) forces. <i>Physical Review Letters</i> , 2010 , 105, 070404	7.4	62
202	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	3.3	
201	Unusual percolation in simple small-world networks. <i>Physical Review E</i> , 2009 , 79, 066112	2.4	2
200	Orientation dependence of Casimir forces. <i>Physical Review A</i> , 2009 , 79,	2.6	40
199	Configurations of polymers attached to probes. <i>Europhysics Letters</i> , 2009 , 88, 48001	1.6	9
198	One-dimensional gas of hard needles. <i>Physical Review E</i> , 2009 , 79, 041109	2.4	14
197	Universality in the jamming limit for elongated hard particles in one dimension. <i>Europhysics Letters</i> , 2009 , 87, 60002	1.6	9
196	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	3.9	27
195	Structure and dynamics of vibrated granular chains: comparison to equilibrium polymers. <i>Physical Review E</i> , 2009 , 79, 061304	2.4	30
194	Thymic selection of T-cell receptors as an extreme value problem. <i>Physical Review Letters</i> , 2009 , 103, 068103	7.4	35
193	Scattering theory approach to electrodynamic Casimir forces. <i>Physical Review D</i> , 2009 , 80,	4.9	228

192	Defects in nematic membranes can buckle into pseudospheres. <i>Physical Review E</i> , 2008 , 77, 041705	2.4	42
191	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, 16671-6	11.5	88
190	Predicting transcription factor specificity with all-atom models. <i>Nucleic Acids Research</i> , 2008 , 36, 6209-17	20.1	14
189	Casimir forces between compact objects: The scalar case. <i>Physical Review D</i> , 2008 , 77,	4.9	98
188	Probability distributions for polymer translocation. <i>Physical Review E</i> , 2008 , 78, 021129	2.4	38
187	Nonmonotonic effects of parallel sidewalls on Casimir forces between cylinders. <i>Physical Review A</i> , 2008 , 77,	2.6	36
186	Melting of persistent double-stranded polymers. <i>Physical Review E</i> , 2008 , 78, 051910	2.4	12
185	Casimir forces between cylinders and plates. <i>Physical Review A</i> , 2008 , 78,	2.6	66
184	The elusiveness of polymer knots. <i>European Physical Journal B</i> , 2008 , 64, 519-523	1.2	8
183	Fractional Laplacian in bounded domains. <i>Physical Review E</i> , 2007 , 76, 021116	2.4	149
182	Statistical Physics of Fields 2007 ,		253
181	Casimir forces between arbitrary compact objects. <i>Physical Review Letters</i> , 2007 , 99, 170403	7.4	252
180	Casimir forces in a piston geometry at zero and finite temperatures. <i>Physical Review D</i> , 2007 , 76,	4.9	53
179	First-passage times and distances along critical curves. <i>Europhysics Letters</i> , 2007 , 80, 40006	1.6	7
178	Thinning of superfluid films below the critical point. <i>Physical Review E</i> , 2007 , 76, 030601	2.4	47
177	Anomalous diffusion with absorbing boundary. <i>Physical Review E</i> , 2007 , 76, 061121	2.4	49
176	Protein knot server: detection of knots in protein structures. <i>Nucleic Acids Research</i> , 2007 , 35, W425-8	20.1	74
175	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, 18958-63	11.5	98

174	Dynamics of tumor growth and combination of anti-angiogenic and cytotoxic therapies. <i>Physics in Medicine and Biology</i> , 2007 , 52, 3665-77	3.8	48
173	Statistical Physics of Particles 2007 ,		143
172	Intricate knots in proteins: Function and evolution. <i>PLoS Computational Biology</i> , 2006 , 2, e122	5	250
171	Casimir Interaction between a plate and a cylinder. <i>Physical Review Letters</i> , 2006 , 96, 080403	7.4	183
170	Patterns and Symmetries in the Visual Cortex and in Natural Images. <i>Journal of Statistical Physics</i> , 2006 , 125, 1243-1266	1.5	4
169	Untangling influences of hydrophobicity on protein sequences and structures. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006 , 62, 1101-6	4.2	1
168	Correlation and cross-linking effects in imprinting sites for divalent adsorption in gels. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 6636-9	3.4	11
167	Knots in globule and coil phases of a model polyethylene. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15102-6	16.4	143
166	Attractive Casimir forces in a closed geometry. <i>Physical Review Letters</i> , 2005 , 95, 250402	7.4	107
165	Capturing knots in polymers. <i>Chaos</i> , 2005 , 15, 041103	3.3	4
164	Apex exponents for polymer-probe interactions. <i>Physical Review Letters</i> , 2005 , 94, 198303	7.4	8
163	Symmetry-breaking motility. <i>Physical Review Letters</i> , 2005 , 95, 138101	7.4	19
162	Anomalous dynamics of forced translocation. <i>Physical Review E</i> , 2004 , 69, 021806	2.4	240
161	Information flow through a chaotic channel: prediction and postdiction at finite resolution. <i>Physical Review E</i> , 2004 , 70, 026205	2.4	8
160	Casimir forces, surface fluctuations, and thinning of superfluid film. <i>Physical Review Letters</i> , 2004 , 93, 155302	7.4	44
159	Diffusion in correlated random potentials, with applications to DNA. <i>Physical Review E</i> , 2004 , 69, 061903	2.4	89
158	Interplay between phase ordering and roughening on growing films. <i>European Physical Journal B</i> , 2003 , 36, 401-410	1.2	12
157	Tight and loose shapes in flat entangled dense polymers. <i>European Physical Journal E</i> , 2003 , 12, 347-354	1.5	18

156	Normal and lateral Casimir forces between deformed plates. <i>Physical Review A</i> , 2003 , 67,	2.6	130
155	Effective membrane model of the immunological synapse. <i>Physical Review Letters</i> , 2003 , 91, 208101	7.4	41
154	Structure space of model proteins: A principal component analysis. <i>Journal of Chemical Physics</i> , 2003 , 118, 4277-4284	3.9	7
153	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, 16036-40	11.5	21
152	Nonlinear stochastic equations with calculable steady states. <i>Physical Review E</i> , 2003 , 68, 046108	2.4	6
151	Anomalous dynamics of translocation. <i>Physical Review E</i> , 2002 , 65, 011802	2.4	250
150	Tightness of slip-linked polymer chains. <i>Physical Review E</i> , 2002 , 65, 061103	2.4	28
149	Force-extension relations for polymers with sliding links. <i>Physical Review E</i> , 2002 , 66, 022102	2.4	16
148	Passive sliders on growing surfaces and advection in Burger's flows. <i>Physical Review B</i> , 2002 , 66,	3.3	24
147	Knots in charged polymers. <i>Physical Review E</i> , 2002 , 66, 031802	2.4	34
146	Correlation functions near modulated and rough surfaces. <i>Physical Review E</i> , 2002 , 65, 046121	2.4	7
145	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, 15894-7	11.5	7
144	Equilibrium shapes of flat knots. <i>Physical Review Letters</i> , 2002 , 88, 188101	7.4	88
143	Pulling knotted polymers. <i>Europhysics Letters</i> , 2002 , 60, 53-59	1.6	66
142	Modified critical correlations close to modulated and rough surfaces. <i>Physical Review Letters</i> , 2001 , 86, 4596-9	7.4	9
141	Free energy self-averaging in protein-sized random heteropolymers. <i>Physical Review Letters</i> , 2001 , 87, 078104	7.4	13
140	Probing the strong boundary shape dependence of the Casimir force. <i>Physical Review Letters</i> , 2001 , 87, 260402	7.4	157
139	Probability distributions of line lattices in random media from the 1D Bose gas. <i>Nuclear Physics B</i> , 2001 , 604, 479-510	2.8	14

138	Macroscopic equations for pattern formation in mixtures of microtubules and molecular motors. <i>Physical Review E</i> , 2001 , 64, 056113	2.4	80
137	Roughness and ordering of growing films. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000 , 281, 295-310	3.3	34
136	Elasticity and melting of vortex crystals in anisotropic superconductors: Beyond the continuum regime. <i>Physical Review B</i> , 2000 , 62, 5942-5956	3.3	6
135	Phase ordering and roughening on growing films. <i>Physical Review Letters</i> , 2000 , 85, 614-7	7.4	50
134	Thermodynamic fingerprints of disorder in flux line lattices and other glassy mesoscopic systems. <i>Physical Review Letters</i> , 2000 , 85, 2176-9	7.4	5
133	Instability and fluctuations of flux lines with point impurities in a parallel current. <i>Physical Review B</i> , 2000 , 61, 11729-11738	3.3	5
132	FLUCTUATION-INDUCED PHENOMENA: FROM BIOPHYSICS TO CAVITY QED 2000 , 229-260		
131	STOCHASTIC DYNAMICS OF GROWING FILMS 2000 , 1-47		
130	Collapse of Stiff Polyelectrolytes due to Counterion Fluctuations. <i>Physical Review Letters</i> , 1999 , 82, 4456-4459	7.4	106
129	Melting of flux lines in an alternating parallel current. <i>Physical Review B</i> , 1999 , 59, 9637-9641	3.3	4
128	Transverse Fluctuations of Polyelectrolytes. <i>Physical Review Letters</i> , 1999 , 83, 745-748	7.4	8
127	Critical hysteresis for n-component magnets. <i>Physical Review E</i> , 1999 , 59, 1355-1367	2.4	23
126	First Order Phase Transition and Evidence for Frustrations in Polyampholytic Gels. <i>Physical Review Letters</i> , 1999 , 82, 4863-4865	7.4	62
125	Ordering phenomena on growing films. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999 , 263, 345-353	3.3	7
124	A geometric generalization of field theory to manifolds of arbitrary dimension. <i>European Physical Journal B</i> , 1999 , 7, 187-190	1.2	2
123	The friction of vacuum, and other fluctuation-induced forces. <i>Reviews of Modern Physics</i> , 1999 , 71, 1233-1245	1.2	490
122	Nonequilibrium dynamics of interfaces and lines. <i>Physics Reports</i> , 1998 , 301, 85-112	27.7	166
121	Necklace model of randomly charged polymers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998 , 249, 301-306	3.3	17

120	Generalizing the O(N)-field theory to N-colored manifolds of arbitrary internal dimension D. <i>Nuclear Physics B</i> , 1998 , 528, 469-522	2.8	5
119	Path-integral approach to the dynamic Casimir effect with fluctuating boundaries. <i>Physical Review A</i> , 1998 , 58, 1713-1722	2.6	124
118	Sensitivity of ballistic deposition to pseudorandom number generators. <i>Physical Review E</i> , 1998 , 57, 5044-5052	2.4	21
117	Model for growth of binary alloys with fast surface equilibration. <i>Physical Review E</i> , 1997 , 55, 5026-5032	2.4	24
116	Threading dislocation lines in two-sided flux-array decorations. <i>Physical Review B</i> , 1997 , 56, 11903-11906	3.3	7
115	Mechanical Response of Vacuum. <i>Physical Review Letters</i> , 1997 , 78, 3421-3425	7.4	121
114	Matrix generalizations of some dynamic field theories. <i>Nuclear Physics B</i> , 1996 , 464, 449-462	2.8	10
113	Which came first, protein sequence or structure?. <i>Science</i> , 1996 , 273, 610	33.3	13
112	Dynamic scaling phenomena in growth processes. <i>Physica B: Condensed Matter</i> , 1996 , 221, 60-64	2.8	44
111	Fluctuation-induced interactions between rods on membranes and interfaces. <i>Europhysics Letters</i> , 1996 , 33, 241-246	1.6	70
110	Collapse of Randomly Linked Polymers. <i>Physical Review Letters</i> , 1996 , 77, 4275	7.4	8
109	Anisotropic scaling in threshold critical dynamics of driven directed lines. <i>Physical Review B</i> , 1996 , 53, 3520-3542	3.3	56
108	Conformations of randomly linked polymers. <i>Physical Review E</i> , 1996 , 54, 5263-5267	2.4	11
107	Winding angle distributions for random walks and flux lines. <i>Physical Review E</i> , 1996 , 53, 5861-5871	2.4	37
106	Magnetoconductance anisotropy and interference effects in variable-range hopping. <i>Physical Review B</i> , 1996 , 53, 7663-7672	3.3	11
105	Freezing Transition of Compact Polyampholytes. <i>Physical Review Letters</i> , 1996 , 77, 3565-3568	7.4	28
104	Fluctuation-induced interactions between rods on a membrane. <i>Physical Review E</i> , 1996 , 54, 6725-6734	2.4	100
103	Scaling of energy barriers for flux lines and other random systems. <i>Physical Review E</i> , 1995 , 52, 4841-4852	2.4	25

102	Randomly charged polymers: An exact enumeration study. <i>Physical Review E</i> , 1995 , 52, 835-846	2.4	48
101	Unusual universality of branching interfaces in random media. <i>Physical Review E</i> , 1995 , 52, R1269-R1272	2.4	38
100	Driven Depinning in Anisotropic Media. <i>Physical Review Letters</i> , 1995 , 74, 920-923	7.4	102
99	Energy barriers to motion of flux lines in random media. <i>Physical Review Letters</i> , 1995 , 75, 1170-1173	7.4	31
98	Adsorption of Polymers on a Fluctuating Surface. <i>Europhysics Letters</i> , 1995 , 29, 303-308	1.6	10
97	Instabilities of charged polyampholytes. <i>Physical Review E</i> , 1995 , 51, 1299-1312	2.4	144
96	Nonequilibrium dynamics of fluctuating lines. <i>NATO ASI Series Series B: Physics</i> , 1995 , 89-110		
95	Excess Charge in Polyampholytes. <i>Europhysics Letters</i> , 1994 , 27, 643-648	1.6	132
94	Collapse of Randomly Self-Interacting Polymers. <i>Europhysics Letters</i> , 1994 , 28, 169-174	1.6	31
93	Critical dynamics of contact line depinning. <i>Physical Review E</i> , 1994 , 49, R2532-R2535	2.4	144
92	Disorder-induced unbinding of a flux line from an extended defect. <i>Physical Review B</i> , 1994 , 49, 13030-13048	3.0	60
91	Anisotropic scaling in depinning of a flux line. <i>Physical Review Letters</i> , 1994 , 73, 1703-1706	7.4	57
90	Hwa, Kardar, and Paczuski reply. <i>Physical Review Letters</i> , 1994 , 72, 785	7.4	3
89	Statistical mechanics of polyampholytes. <i>Physical Review E</i> , 1994 , 49, 1383-1392	2.4	71
88	The 2D \mathbb{Z}_2 Ising spin glass: exact partition functions in polynomial time. <i>Nuclear Physics B</i> , 1994 , 432, 641-667	6.67	54
87	Critical Dynamics of Contact Line Depinning. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 366, 51		
86	Delocalization of Flux Lines from Extended Defects by Bulk Randomness. <i>Europhysics Letters</i> , 1993 , 23, 503-509	1.6	21
85	Dynamic relaxation of drifting polymers: A phenomenological approach. <i>Physical Review E</i> , 1993 , 48, 1228-1245	2.4	48

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