

Ludovic Berthier

List of Publications by Year in descending order

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Version: 2024-02-01

190
papers

14,812
citations

15504

65
h-index

20358

116
g-index

192
all docs

192
docs citations

192
times ranked

5386
citing authors

#	ARTICLE	IF	CITATIONS
1	Microscopic origin of excess wings in relaxation spectra of supercooled liquids. Nature Physics, 2022, 18, 468-472.	16.7	36
2	À la recherche du verre idéal. Pour la science Fr, 2022, N° 534 - avril, 64-71.	0.0	0
3	Statistical mechanics of coupled supercooled liquids in finite dimensions. SciPost Physics, 2022, 12, .	4.9	10
4	Relaxation Dynamics in the Energy Landscape of Glass-Forming Liquids. Physical Review X, 2022, 12, .	8.9	14
5	Static self-induced heterogeneity in glass-forming liquids: Overlap as a microscope. Journal of Chemical Physics, 2022, 156, .	3.0	8
6	Violation of the fluctuation-dissipation theorem and effective temperatures in spin ice. Physical Review B, 2022, 105, .	3.2	1
7	Glasses and Aging, A Statistical Mechanics Perspective on. , 2022, , 229-296.		4
8	Collective dynamics in a glass-former with Kurban interactions. Journal of Chemical Physics, 2022, 156, .	3.0	4
9	Rare events and disorder control the brittle yielding of well-annealed amorphous solids. Physical Review Research, 2022, 4, .	3.6	4
10	Relaxation Dynamics of Non-Brownian Spheres Below Jamming. Journal of Statistical Physics, 2021, 182, 1.	1.2	14
11	Excess wings and asymmetric relaxation spectra in a facilitated trap model. Journal of Chemical Physics, 2021, 155, 064505.	3.0	14
12	Self-Induced Heterogeneity in Deeply Supercooled Liquids. Physical Review Letters, 2021, 127, 088002.	7.8	22
13	A Statistical Mechanics Perspective on Glasses and Aging. , 2021, , 1-68.		8
14	Random-field Ising model criticality in a glass-forming liquid. Physical Review E, 2020, 102, 042129.	2.1	12
15	How to measure a structural relaxation time that is too long to be measured?. Journal of Chemical Physics, 2020, 153, 044501.	3.0	22
16	Stable glassy configurations of the Kob-Andersen model using swap Monte Carlo. Journal of Chemical Physics, 2020, 153, 134505.	3.0	9
17	Finite Dimensional Vestige of Spinodal Criticality above the Dynamical Glass Transition. Physical Review Letters, 2020, 125, 108001.	7.8	18
18	Ultrastable Metallic Glasses <i>In Silico</i> . Physical Review Letters, 2020, 125, 085505.	7.8	20

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19	Depletion of Two-Level Systems in Ultrastable Computer-Generated Glasses. <i>Physical Review Letters</i> , 2020, 124, 225901.	7.8	47
20	Low-frequency vibrations of jammed packings in large spatial dimensions. <i>Physical Review E</i> , 2020, 101, 052906.	2.1	23
21	Glass Stability Changes the Nature of Yielding under Oscillatory Shear. <i>Physical Review Letters</i> , 2020, 124, 225502.	7.8	60
22	Universal Relaxation Dynamics of Sphere Packings below Jamming. <i>Physical Review Letters</i> , 2020, 124, 058001.	7.8	20
23	Glassy Behavior of Sticky Spheres: What Lies beyond Experimental Timescales?. <i>Physical Review Letters</i> , 2020, 125, 258004.	7.8	6
24	Brittle yielding of amorphous solids at finite shear rates. <i>Physical Review Materials</i> , 2020, 4, .	2.4	35
25	Predicting plasticity in disordered solids from structural indicators. <i>Physical Review Materials</i> , 2020, 4, .	2.4	112
26	Role of fluctuations in the yielding transition of two-dimensional glasses. <i>Physical Review Research</i> , 2020, 2, .	3.6	24
27	Analogies between growing dense active matter and soft driven glasses. <i>Physical Review Research</i> , 2020, 2, .	3.6	11
28	On the overlap between configurations in glassy liquids. <i>Journal of Chemical Physics</i> , 2020, 153, 224502.	3.0	9
29	Sound attenuation in stable glasses. <i>Soft Matter</i> , 2019, 15, 7018-7025.	2.7	40
30	Rejuvenation and Memory Effects in a Structural Glass. <i>Physical Review Letters</i> , 2019, 122, 255502.	7.8	35
31	Gardner physics in amorphous solids and beyond. <i>Journal of Chemical Physics</i> , 2019, 151, 010901.	3.0	48
32	Nature of excitations and defects in structural glasses. <i>Nature Communications</i> , 2019, 10, 5102.	12.8	39
33	Front-Mediated Melting of Isotropic Ultrastable Glasses. <i>Physical Review Letters</i> , 2019, 123, 175501.	7.8	15
34	Does the Adam-Gibbs relation hold in simulated supercooled liquids?. <i>Journal of Chemical Physics</i> , 2019, 151, 084504.	3.0	46
35	Glassy dynamics in dense systems of active particles. <i>Journal of Chemical Physics</i> , 2019, 150, 200901.	3.0	82
36	Efficient swap algorithms for molecular dynamics simulations of equilibrium supercooled liquids. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 064004.	2.3	51

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37	Multiple symmetry sustaining phase transitions in spin ice. <i>Physical Review B</i> , 2019, 99, .	3.2	11
38	Configurational entropy of glass-forming liquids. <i>Journal of Chemical Physics</i> , 2019, 150, 160902.	3.0	71
39	Hierarchical Landscape of Hard Disk Glasses. <i>Physical Review X</i> , 2019, 9, .	8.9	30
40	Can the glass transition be explained without a growing static length scale?. <i>Journal of Chemical Physics</i> , 2019, 150, 094501.	3.0	38
41	Bypassing sluggishness: SWAP algorithm and glassiness in high dimensions. <i>Physical Review E</i> , 2019, 99, 031301.	2.1	15
42	Zero-temperature glass transition in two dimensions. <i>Nature Communications</i> , 2019, 10, 1508.	12.8	72
43	Marginally stable phases in mean-field structural glasses. <i>Physical Review E</i> , 2019, 99, 012107.	2.1	33
44	Low-frequency vibrational modes of stable glasses. <i>Nature Communications</i> , 2019, 10, 26.	12.8	124
45	A localization transition underlies the mode-coupling crossover of glasses. <i>SciPost Physics</i> , 2019, 7, .	4.9	29
46	Glass transition of soft colloids. <i>Physical Review E</i> , 2018, 97, 040601.	2.1	69
47	Local order and crystallization of dense polydisperse hard spheres. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 144004.	1.8	22
48	Configurational entropy of polydisperse supercooled liquids. <i>Journal of Chemical Physics</i> , 2018, 149, 154501.	3.0	26
49	Discontinuous shear thickening in Brownian suspensions. <i>Physical Review E</i> , 2018, 98, 012609.	2.1	26
50	Random critical point separates brittle and ductile yielding transitions in amorphous materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6656-6661.	7.1	195
51	Does the configurational entropy of polydisperse particles exist?. <i>Journal of Chemical Physics</i> , 2017, 146, 014502.	3.0	30
52	Origin of Ultrastability in Vapor-Deposited Glasses. <i>Physical Review Letters</i> , 2017, 119, 188002.	7.8	55
53	Configurational entropy measurements in extremely supercooled liquids that break the glass ceiling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11356-11361.	7.1	102
54	Density controls the kinetic stability of ultrastable glasses. <i>Europhysics Letters</i> , 2017, 119, 36003.	2.0	38

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55	Yield stress materials in soft condensed matter. <i>Reviews of Modern Physics</i> , 2017, 89, .	45.6	511
56	Ultra-long-range dynamic correlations in a microscopic model for aging gels. <i>Physical Review E</i> , 2017, 95, 060601.	2.1	23
57	Models and Algorithms for the Next Generation of Glass Transition Studies. <i>Physical Review X</i> , 2017, 7, .	8.9	195
58	Large-scale structure of randomly jammed spheres. <i>Physical Review E</i> , 2017, 95, 052125.	2.1	18
59	Discontinuous fluidization transition in time-correlated assemblies of actively deforming particles. <i>Physical Review E</i> , 2017, 96, 050601.	2.1	27
60	Absence of Marginal Stability in a Structural Glass. <i>Physical Review Letters</i> , 2017, 119, 205501.	7.8	62
61	How active forces influence nonequilibrium glass transitions. <i>New Journal of Physics</i> , 2017, 19, 125006.	2.9	57
62	Exploring the jamming transition over a wide range of critical densities. <i>SciPost Physics</i> , 2017, 3, .	4.9	47
63	Efficient measurement of point-to-set correlations and overlap fluctuations in glass-forming liquids. <i>Journal of Chemical Physics</i> , 2016, 144, 024501.	3.0	26
64	Note: Physical mechanisms for the bulk melting of stable glasses. <i>Journal of Chemical Physics</i> , 2016, 145, 076101.	3.0	1
65	Point-to-set lengths, local structure, and glassiness. <i>Physical Review E</i> , 2016, 94, 032605.	2.1	43
66	Growing timescales and lengthscales characterizing vibrations of amorphous solids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8397-8401.	7.1	99
67	The melting of stable glasses is governed by nucleation-and-growth dynamics. <i>Journal of Chemical Physics</i> , 2016, 144, 244506.	3.0	24
68	Facets of glass physics. <i>Physics Today</i> , 2016, 69, 40-46.	0.3	132
69	The nonequilibrium glassy dynamics of self-propelled particles. <i>Soft Matter</i> , 2016, 12, 7136-7149.	2.7	78
70	Macroscopic yielding in jammed solids is accompanied by a nonequilibrium first-order transition in particle trajectories. <i>Physical Review E</i> , 2016, 94, 022615.	2.1	86
71	An efficient scheme for sampling fast dynamics at a low average data acquisition rate. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 075201.	1.8	10
72	Comment on "Constant Stress and Pressure Rheology of Colloidal Suspensions" <i>Physical Review Letters</i> , 2016, 116, 179801.	7.8	2

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73	Equilibrium Sampling of Hard Spheres up to the Jamming Density and Beyond. <i>Physical Review Letters</i> , 2016, 116, 238002.	7.8	127
74	Criticality and correlated dynamics at the irreversibility transition in periodically driven colloidal suspensions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 033501.	2.3	20
75	Thermal fluctuations, mechanical response, and hyperuniformity in jammed solids. <i>Physical Review E</i> , 2015, 92, 012309.	2.1	34
76	Nonequilibrium Equation of State in Suspensions of Active Colloids. <i>Physical Review X</i> , 2015, 5, .	8.9	131
77	Glassy dynamics of athermal self-propelled particles: Computer simulations and a nonequilibrium microscopic theory. <i>Physical Review E</i> , 2015, 91, 062304.	2.1	102
78	Relaxation dynamics in a transient network fluid with competing gel and glass phases. <i>Journal of Chemical Physics</i> , 2015, 142, 174503.	3.0	20
79	From single-particle to collective effective temperatures in an active fluid of self-propelled particles. <i>Europhysics Letters</i> , 2015, 111, 60006.	2.0	69
80	Evidence for a Disordered Critical Point in a Glass-Forming Liquid. <i>Physical Review Letters</i> , 2015, 114, 205701.	7.8	45
81	Structure and dynamics of coupled viscous liquids. <i>Molecular Physics</i> , 2015, 113, 2707-2715.	1.7	7
82	Diverging viscosity and soft granular rheology in non-Brownian suspensions. <i>Physical Review E</i> , 2015, 91, 012203.	2.1	53
83	Hyperuniform Density Fluctuations and Diverging Dynamic Correlations in Periodically Driven Colloidal Suspensions. <i>Physical Review Letters</i> , 2015, 114, 148301.	7.8	89
84	Novel approach to numerical measurements of the configurational entropy in supercooled liquids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11668-11672.	7.1	47
85	Equilibrium ultrastable glasses produced by random pinning. <i>Journal of Chemical Physics</i> , 2014, 141, 224503.	3.0	31
86	Clustering and heterogeneous dynamics in a kinetic Monte Carlo model of self-propelled hard disks. <i>Physical Review E</i> , 2014, 89, 062301.	2.1	89
87	Nonequilibrium Glassy Dynamics of Self-Propelled Hard Disks. <i>Physical Review Letters</i> , 2014, 112, 220602.	7.8	135
88	Intermittent dynamics and logarithmic domain growth during the spinodal decomposition of a glass-forming liquid. <i>Journal of Chemical Physics</i> , 2014, 140, 164502.	3.0	61
89	Thinning or thickening? Multiple rheological regimes in dense suspensions of soft particles. <i>Europhysics Letters</i> , 2014, 107, 28009.	2.0	44
90	Crossovers in the dynamics of supercooled liquids probed by an amorphous wall. <i>Physical Review E</i> , 2014, 89, 052311.	2.1	42

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91	Disentangling glass and jamming physics in the rheology of soft materials. <i>Soft Matter</i> , 2013, 9, 7669.	2.7	106
92	Yield stress in amorphous solids: A mode-coupling-theory analysis. <i>Physical Review E</i> , 2013, 88, 052305.	2.1	16
93	Dynamic criticality at the jamming transition. <i>Journal of Chemical Physics</i> , 2013, 138, 12A507.	3.0	98
94	Non-equilibrium glass transitions in driven and active matter. <i>Nature Physics</i> , 2013, 9, 310-314.	16.7	226
95	Probing a Liquid to Glass Transition in Equilibrium. <i>Physical Review Letters</i> , 2013, 110, 245702.	7.8	108
96	Overlap fluctuations in glass-forming liquids. <i>Physical Review E</i> , 2013, 88, 022313.	2.1	68
97	Inhomogeneous shear flows in soft jammed materials with tunable attractive forces. <i>Physical Review E</i> , 2012, 85, 021503.	2.1	55
98	Static point-to-set correlations in glass-forming liquids. <i>Physical Review E</i> , 2012, 85, 011102.	2.1	155
99	Finite-size effects in the dynamics of glass-forming liquids. <i>Physical Review E</i> , 2012, 86, 031502.	2.1	73
100	Random pinning in glassy spin models with plaquette interactions. <i>Physical Review E</i> , 2012, 85, 021120.	2.1	36
101	Spatial Correlations in Glass-Forming Liquids Across The Mode-Coupling Crossover. <i>Physics Procedia</i> , 2012, 34, 70-79.	1.2	11
102	Reply to "Characterizing dynamic length scales in glass-forming liquids". <i>Nature Physics</i> , 2012, 8, 697-697.	16.7	14
103	Non-monotonic temperature evolution of dynamic correlations in glass-forming liquids. <i>Nature Physics</i> , 2012, 8, 164-167.	16.7	189
104	Unified study of glass and jamming rheology in soft particle systems. <i>Physical Review Letters</i> , 2012, 109, 018301.	7.8	206
105	Can the jamming transition be described using equilibrium statistical mechanics?. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P01004.	2.3	5
106	Theoretical perspective on the glass transition and amorphous materials. <i>Reviews of Modern Physics</i> , 2011, 83, 587-645.	45.6	1,605
107	Microscopic Mean-Field Theory of the Jamming Transition. <i>Physical Review Letters</i> , 2011, 106, 135702.	7.8	50
108	Overview of different characterizations of dynamic heterogeneity. , 2011, , 68-109.		15

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109	Testing "microscopic" theories of glass-forming liquids. <i>European Physical Journal E</i> , 2011, 34, 96.	1.6	41
110	The role of attractive forces in viscous liquids. <i>Journal of Chemical Physics</i> , 2011, 134, 214503.	3.0	86
111	Suppressed Compressibility at Large Scale in Jammed Packings of Size-Disperse Spheres. <i>Physical Review Letters</i> , 2011, 106, 120601.	7.8	75
112	Equilibrium equation of state of a hard sphere binary mixture at very large densities using replica exchange Monte Carlo simulations. <i>Journal of Chemical Physics</i> , 2011, 134, 054504.	3.0	30
113	Microscopic theory of the jamming transition of harmonic spheres. <i>Physical Review E</i> , 2011, 84, 051103.	2.1	80
114	Highly Nonlinear Dynamics in a Slowly Sedimenting Colloidal Gel. <i>Physical Review Letters</i> , 2011, 106, 118302.	7.8	46
115	Influence of the Glass Transition on the Liquid-Gas Spinodal Decomposition. <i>Physical Review Letters</i> , 2011, 106, 125702.	7.8	73
116	Superdiffusive, heterogeneous, and collective particle motion near the fluid-solid transition in athermal disordered materials. <i>Europhysics Letters</i> , 2010, 90, 20005.	2.0	61
117	Brambilla <i>et al.</i> Reply. <i>Physical Review Letters</i> , 2010, 104, .	7.8	15
118	Brambilla <i>et al.</i> Reply. <i>Physical Review Letters</i> , 2010, 105, .	7.8	12
119	When gel and glass meet: A mechanism for multistep relaxation. <i>Physical Review E</i> , 2010, 81, 040502.	2.1	28
120	Scaling of the glassy dynamics of soft repulsive particles: A mode-coupling approach. <i>Physical Review E</i> , 2010, 81, 031505.	2.1	25
121	Jamming Transitions in Amorphous Packings of Frictionless Spheres Occur over a Continuous Range of Volume Fractions. <i>Physical Review Letters</i> , 2010, 104, 165701.	7.8	198
122	Critical test of the mode-coupling theory of the glass transition. <i>Physical Review E</i> , 2010, 82, 031502.	2.1	71
123	Subdiffusion and intermittent dynamic fluctuations in the aging regime of concentrated hard spheres. <i>Physical Review E</i> , 2010, 82, 031503.	2.1	50
124	Increasing the density melts ultrasoft colloidal glasses. <i>Physical Review E</i> , 2010, 82, 060501.	2.1	78
125	Anomalous structural evolution of soft particles: equilibrium liquid state theory. <i>Soft Matter</i> , 2010, 6, 2970.	2.7	39
126	On the relaxation dynamics of glass-forming systems: Insights from computer simulations. , 2009, , .		1

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127	Glass transition of dense fluids of hard and compressible spheres. <i>Physical Review E</i> , 2009, 80, 021502.	2.1	189
128	Probing the Equilibrium Dynamics of Colloidal Hard Spheres above the Mode-Coupling Glass Transition. <i>Physical Review Letters</i> , 2009, 102, 085703.	7.8	300
129	Dynamic light scattering measurements in the activated regime of dense colloidal hard spheres. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P07015.	2.3	50
130	Nonperturbative Effect of Attractive Forces in Viscous Liquids. <i>Physical Review Letters</i> , 2009, 103, 170601.	7.8	139
131	Compressing nearly hard sphere fluids increases glass fragility. <i>Europhysics Letters</i> , 2009, 86, 10001.	2.0	121
132	Static and dynamic properties of a reversible gel. , 2009, , .		6
133	A random walk description of the heterogeneous glassy dynamics of attracting colloids. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 244126.	1.8	37
134	Spontaneous and induced dynamic correlations in glass formers. II. Model calculations and comparison to numerical simulations. <i>Journal of Chemical Physics</i> , 2007, 126, 184504.	3.0	162
135	The Monte Carlo dynamics of a binary Lennard-Jones glass-forming mixture. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 205130.	1.8	112
136	Non-equilibrium dynamics of spin facilitated glass models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007, 2007, P07017-P07017.	2.3	28
137	Structure and dynamics of glass formers: Predictability at large length scales. <i>Physical Review E</i> , 2007, 76, 041509.	2.1	97
138	Efficient Measurement of Linear Susceptibilities in Molecular Simulations: Application to Aging Supercooled Liquids. <i>Physical Review Letters</i> , 2007, 98, 220601.	7.8	54
139	Heterogeneous Diffusion in a Reversible Gel. <i>Physical Review Letters</i> , 2007, 98, 135503.	7.8	80
140	Course 13 The slow dynamics of glassy materials: Insights from computer simulations. <i>Les Houches Summer School Proceedings</i> , 2007, 85, 473-482.	0.2	0
141	Amorphous silica modeled with truncated and screened Coulomb interactions: A molecular dynamics simulation study. <i>Journal of Chemical Physics</i> , 2007, 127, 114512.	3.0	83
142	Universal Nature of Particle Displacements close to Glass and Jamming Transitions. <i>Physical Review Letters</i> , 2007, 99, 060604.	7.8	352
143	Spatial correlations in the dynamics of glassforming liquids: Experimental determination of their temperature dependence. <i>Physical Review E</i> , 2007, 76, 041510.	2.1	226
144	Spontaneous and induced dynamic fluctuations in glass formers. I. General results and dependence on ensemble and dynamics. <i>Journal of Chemical Physics</i> , 2007, 126, 184503.	3.0	229

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145	Revisiting the slow dynamics of a silica melt using Monte Carlo simulations. <i>Physical Review E</i> , 2007, 76, 011507.	2.1	50
146	Fluctuation-dissipation relations in plaquette spin systems with multi-stage relaxation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006, 2006, P12005-P12005.	2.3	15
147	Activated Aging Dynamics and Negative Fluctuation-Dissipation Ratios. <i>Physical Review Letters</i> , 2006, 96, 030602.	7.8	28
148	Dynamical susceptibility of glass formers: Contrasting the predictions of theoretical scenarios. <i>Physical Review E</i> , 2005, 71, 041505.	2.1	243
149	Lifetime of dynamic heterogeneity in strong and fragile kinetically constrained spin models. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S3571-S3577.	1.8	22
150	Ageing and ultra-slow equilibration in concentrated colloidal hard spheres. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S3543-S3549.	1.8	36
151	Static and dynamic length scales in a simple glassy plaquette model. <i>Physical Review E</i> , 2005, 72, 016103.	2.1	31
152	Temperature cycles in the Heisenberg spin glass. <i>Physical Review B</i> , 2005, 71, .	3.2	28
153	Renormalization group study of a kinetically constrained model for strong glasses. <i>Physical Review E</i> , 2005, 71, 026128.	2.1	49
154	Spatially heterogeneous dynamics in a model for granular compaction. <i>Physical Review E</i> , 2005, 72, 010301.	2.1	15
155	Length scale for the onset of Fickian diffusion in supercooled liquids. <i>Europhysics Letters</i> , 2005, 69, 320-326.	2.0	163
156	Dynamic heterogeneity in the Glauber-Ising chain. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2005, 2005, P05002.	2.3	9
157	Direct Experimental Evidence of a Growing Length Scale Accompanying the Glass Transition. <i>Science</i> , 2005, 310, 1797-1800.	12.6	721
158	Numerical Study of a Fragile Three-Dimensional Kinetically Constrained Model. <i>Journal of Physical Chemistry B</i> , 2005, 109, 3578-3585.	2.6	54
159	Time and length scales in spin glasses. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S729-S734.	1.8	10
160	Dynamic Criticality in Glass-Forming Liquids. <i>Physical Review Letters</i> , 2004, 92, 185705.	7.8	163
161	Reply to "Comment on "Fluctuation-dissipation relations in the nonequilibrium critical dynamics of Ising models". <i>Physical Review E</i> , 2004, 70, .	2.1	14
162	Time and length scales in supercooled liquids. <i>Physical Review E</i> , 2004, 69, 020201.	2.1	202

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163	Heterogeneous Dynamics of Coarsening Systems. <i>Physical Review Letters</i> , 2004, 93, 115701.	7.8	77
164	Aging dynamics of the Heisenberg spin glass. <i>Physical Review B</i> , 2004, 69, .	3.2	45
165	A few bubbles in a glass. , 2004, , .		2
166	Yield stress, heterogeneities and activated processes in soft glassy materials. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S933-S943.	1.8	33
167	Shear Localization in a Model Glass. <i>Physical Review Letters</i> , 2003, 90, 095702.	7.8	203
168	Nontopographic description of inherent structure dynamics in glassformers. <i>Journal of Chemical Physics</i> , 2003, 119, 4367-4371.	3.0	74
169	Finite-Size Scaling Analysis of the Glass Transition. <i>Physical Review Letters</i> , 2003, 91, 055701.	7.8	54
170	Fluctuation-dissipation relations in the nonequilibrium critical dynamics of Ising models. <i>Physical Review E</i> , 2003, 68, 016116.	2.1	59
171	Real space origin of temperature crossovers in supercooled liquids. <i>Physical Review E</i> , 2003, 68, 041201.	2.1	106
172	Comment on "Symmetrical Temperature-Chaos Effect with Positive and Negative Temperature Shifts in a Spin Glass". <i>Physical Review Letters</i> , 2003, 90, 059701; author reply 059702.	7.8	17
173	Energetics of clusters in the two-dimensional Gaussian Ising spin glass. <i>Journal of Physics A</i> , 2003, 36, 10835-10846.	1.6	6
174	A consequence of local equilibration and heterogeneity in glassy materials. <i>Journal of Physics A</i> , 2003, 36, 10667-10681.	1.6	1
175	Shearing a Glassy Material: Numerical Tests of Nonequilibrium Mode-Coupling Approaches and Experimental Proposals. <i>Physical Review Letters</i> , 2002, 89, 095702.	7.8	172
176	Geometrical aspects of aging and rejuvenation in the Ising spin glass: A numerical study. <i>Physical Review B</i> , 2002, 66, .	3.2	155
177	Surfing on a critical line: Rejuvenation without chaos, memory without a hierarchical phase space. <i>Europhysics Letters</i> , 2002, 58, 35-41.	2.0	36
178	Nonequilibrium dynamics and fluctuation-dissipation relation in a sheared fluid. <i>Journal of Chemical Physics</i> , 2002, 116, 6228-6242.	3.0	257
179	Nonequilibrium critical dynamics of the two-dimensional XY model. <i>Journal of Physics A</i> , 2001, 34, 1805-1824.	1.6	107
180	Real-Space Application of the Mean-Field Description of Spin-Glass Dynamics. <i>Physical Review Letters</i> , 2001, 87, 087204.	7.8	33

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181	Glassy systems under time-dependent driving forces: Application to slow granular rheology. Physical Review E, 2001, 63, 051302.	2.1	46
182	Phase separation in a homogeneous shear flow: Morphology, growth laws, and dynamic scaling. Physical Review E, 2001, 63, 051503.	2.1	41
183	Phase Separation in a Chaotic Flow. Physical Review Letters, 2001, 86, 2014-2017.	7.8	21
184	Sub-aging in a domain growth model. European Physical Journal B, 2000, 17, 689-692.	1.5	12
185	Coriolis force in geophysics: an elementary introduction and examples. European Journal of Physics, 2000, 21, 359-366.	0.6	7
186	A two-time-scale, two-temperature scenario for nonlinear rheology. Physical Review E, 2000, 61, 5464-5472.	2.1	200
187	Dynamic ultrametricity in spin glasses. Physical Review E, 2000, 63, 016105.	2.1	15
188	Fluctuation-dissipation relation in a sheared fluid. Physical Review E, 2000, 63, 012503.	2.1	94
189	Response function of coarsening systems. European Physical Journal B, 1999, 11, 635-641.	1.5	85
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