

# Ludovic Berthier

## 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.

184  
papers

12,184  
citations

59  
h-index

105  
g-index

192  
ext. papers

13,616  
ext. citations

5.2  
avg. IF

7.16  
L-index

#	Paper	IF	Citations
184	La recherche du verre idéal. <i>Pour la science Fr</i> , <b>2022</b> , N° 534 Avril, 64-71	0	0
183	Glasses and Aging, A Statistical Mechanics Perspective on <b>2022</b> , 229-296		0
182	Rare events and disorder control the brittle yielding of well-annealed amorphous solids. <i>Physical Review Research</i> , <b>2022</b> , 4,	3.9	1
181	Relaxation Dynamics of Non-Brownian Spheres Below Jamming. <i>Journal of Statistical Physics</i> , <b>2021</b> , 182, 1	1.5	6
180	Excess wings and asymmetric relaxation spectra in a facilitated trap model. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 064505	3.9	3
179	Self-Induced Heterogeneity in Deeply Supercooled Liquids. <i>Physical Review Letters</i> , <b>2021</b> , 127, 088002	7.4	0
178	A Statistical Mechanics Perspective on Glasses and Aging <b>2021</b> , 1-68		1
177	Depletion of Two-Level Systems in Ultrastable Computer-Generated Glasses. <i>Physical Review Letters</i> , <b>2020</b> , 124, 225901	7.4	20
176	Low-frequency vibrations of jammed packings in large spatial dimensions. <i>Physical Review E</i> , <b>2020</b> , 101, 052906	2.4	13
175	Glass Stability Changes the Nature of Yielding under Oscillatory Shear. <i>Physical Review Letters</i> , <b>2020</b> , 124, 225502	7.4	30
174	Universal Relaxation Dynamics of Sphere Packings below Jamming. <i>Physical Review Letters</i> , <b>2020</b> , 124, 058001	7.4	15
173	Glassy Behavior of Sticky Spheres: What Lies beyond Experimental Timescales?. <i>Physical Review Letters</i> , <b>2020</b> , 125, 258004	7.4	3
172	Brittle yielding of amorphous solids at finite shear rates. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	22
171	Predicting plasticity in disordered solids from structural indicators. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	44
170	Role of fluctuations in the yielding transition of two-dimensional glasses. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	10
169	Analogies between growing dense active matter and soft driven glasses. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	3
168	On the overlap between configurations in glassy liquids. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 224502	3.9	1

167	Random-field Ising model criticality in a glass-forming liquid. <i>Physical Review E</i> , <b>2020</b> , 102, 042129	2.4	1
166	How to "measure" a structural relaxation time that is too long to be measured?. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 044501	3.9	12
165	Stable glassy configurations of the Kob-Andersen model using swap Monte Carlo. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 134505	3.9	3
164	Finite Dimensional Vestige of Spinodal Criticality above the Dynamical Glass Transition. <i>Physical Review Letters</i> , <b>2020</b> , 125, 108001	7.4	12
163	Ultrastable Metallic Glasses In Silico. <i>Physical Review Letters</i> , <b>2020</b> , 125, 085505	7.4	9
162	Front-Mediated Melting of Isotropic Ultrastable Glasses. <i>Physical Review Letters</i> , <b>2019</b> , 123, 175501	7.4	8
161	Does the Adam-Gibbs relation hold in simulated supercooled liquids?. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 084504	3.9	27
160	Glassy dynamics in dense systems of active particles. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 200901	3.9	56
159	Efficient swap algorithms for molecular dynamics simulations of equilibrium supercooled liquids. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2019</b> , 2019, 064004	1.9	26
158	Multiple symmetry sustaining phase transitions in spin ice. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	5
157	Configurational entropy of glass-forming liquids. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 160902	3.9	34
156	Hierarchical Landscape of Hard Disk Glasses. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	20
155	Can the glass transition be explained without a growing static length scale?. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 094501	3.9	25
154	Bypassing sluggishness: SWAP algorithm and glassiness in high dimensions. <i>Physical Review E</i> , <b>2019</b> , 99, 031301	2.4	11
153	Zero-temperature glass transition in two dimensions. <i>Nature Communications</i> , <b>2019</b> , 10, 1508	17.4	46
152	Sound attenuation in stable glasses. <i>Soft Matter</i> , <b>2019</b> , 15, 7018-7025	3.6	28
151	Rejuvenation and Memory Effects in a Structural Glass. <i>Physical Review Letters</i> , <b>2019</b> , 122, 255502	7.4	20
150	Gardner physics in amorphous solids and beyond. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 010901	3.9	29

149	Nature of excitations and defects in structural glasses. <i>Nature Communications</i> , <b>2019</b> , 10, 5102	17.4	18
148	A localization transition underlies the mode-coupling crossover of glasses. <i>SciPost Physics</i> , <b>2019</b> , 7,	6.1	14
147	Marginally stable phases in mean-field structural glasses. <i>Physical Review E</i> , <b>2019</b> , 99, 012107	2.4	27
146	Low-frequency vibrational modes of stable glasses. <i>Nature Communications</i> , <b>2019</b> , 10, 26	17.4	75
145	Glass transition of soft colloids. <i>Physical Review E</i> , <b>2018</b> , 97, 040601	2.4	48
144	Local order and crystallization of dense polydisperse hard spheres. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 144004	1.8	17
143	Discontinuous shear thickening in Brownian suspensions. <i>Physical Review E</i> , <b>2018</b> , 98, 012609	2.4	21
142	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> , <b>2018</b> , 115, 6656-6661	11.5	130
141	Configurational entropy of polydisperse supercooled liquids. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 154501	3.9	16
140	Does the configurational entropy of polydisperse particles exist?. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 014502	3.9	26
139	Origin of Ultrastability in Vapor-Deposited Glasses. <i>Physical Review Letters</i> , <b>2017</b> , 119, 188002	7.4	40
138	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> , <b>2017</b> , 114, 11356-11361	11.5	82
137	Density controls the kinetic stability of ultrastable glasses. <i>Europhysics Letters</i> , <b>2017</b> , 119, 36003	1.6	30
136	Yield stress materials in soft condensed matter. <i>Reviews of Modern Physics</i> , <b>2017</b> , 89,	40.5	343
135	Ultra-long-range dynamic correlations in a microscopic model for aging gels. <i>Physical Review E</i> , <b>2017</b> , 95, 060601	2.4	19
134	Models and Algorithms for the Next Generation of Glass Transition Studies. <i>Physical Review X</i> , <b>2017</b> , 7,	9.1	138
133	Large-scale structure of randomly jammed spheres. <i>Physical Review E</i> , <b>2017</b> , 95, 052125	2.4	17
132	Discontinuous fluidization transition in time-correlated assemblies of actively deforming particles. <i>Physical Review E</i> , <b>2017</b> , 96, 050601	2.4	20

131	Absence of Marginal Stability in a Structural Glass. <i>Physical Review Letters</i> , <b>2017</b> , 119, 205501	7.4	48
130	How active forces influence nonequilibrium glass transitions. <i>New Journal of Physics</i> , <b>2017</b> , 19, 125006	2.9	43
129	Exploring the jamming transition over a wide range of critical densities. <i>SciPost Physics</i> , <b>2017</b> , 3,	6.1	35
128	An efficient scheme for sampling fast dynamics at a low average data acquisition rate. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 075201	1.8	6
127	Comment on "Constant Stress and Pressure Rheology of Colloidal Suspensions". <i>Physical Review Letters</i> , <b>2016</b> , 116, 179801	7.4	2
126	Equilibrium Sampling of Hard Spheres up to the Jamming Density and Beyond. <i>Physical Review Letters</i> , <b>2016</b> , 116, 238002	7.4	95
125	Criticality and correlated dynamics at the irreversibility transition in periodically driven colloidal suspensions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2016</b> , 2016, 033501	1.9	14
124	Efficient measurement of point-to-set correlations and overlap fluctuations in glass-forming liquids. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 024501	3.9	20
123	Note: Physical mechanisms for the bulk melting of stable glasses. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 076101	3.9	1
122	Point-to-set lengths, local structure, and glassiness. <i>Physical Review E</i> , <b>2016</b> , 94, 032605	2.4	33
121	Growing timescales and lengthscales characterizing vibrations of amorphous solids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 8397-401	11.5	82
120	The melting of stable glasses is governed by nucleation-and-growth dynamics. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 244506	3.9	18
119	Facets of glass physics. <i>Physics Today</i> , <b>2016</b> , 69, 40-46	0.9	105
118	The nonequilibrium glassy dynamics of self-propelled particles. <i>Soft Matter</i> , <b>2016</b> , 12, 7136-49	3.6	57
117	Macroscopic yielding in jammed solids is accompanied by a nonequilibrium first-order transition in particle trajectories. <i>Physical Review E</i> , <b>2016</b> , 94, 022615	2.4	64
116	Hyperuniform density fluctuations and diverging dynamic correlations in periodically driven colloidal suspensions. <i>Physical Review Letters</i> , <b>2015</b> , 114, 148301	7.4	71
115	Thermal fluctuations, mechanical response, and hyperuniformity in jammed solids. <i>Physical Review E</i> , <b>2015</b> , 92, 012309	2.4	29
114	Nonequilibrium Equation of State in Suspensions of Active Colloids. <i>Physical Review X</i> , <b>2015</b> , 5,	9.1	113

113	Glassy dynamics of athermal self-propelled particles: Computer simulations and a nonequilibrium microscopic theory. <i>Physical Review E</i> , <b>2015</b> , 91, 062304	2.4	82
112	Relaxation dynamics in a transient network fluid with competing gel and glass phases. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 174503	3.9	16
111	From single-particle to collective effective temperatures in an active fluid of self-propelled particles. <i>Europhysics Letters</i> , <b>2015</b> , 111, 60006	1.6	60
110	Evidence for a Disordered Critical Point in a Glass-Forming Liquid. <i>Physical Review Letters</i> , <b>2015</b> , 114, 205701	7.4	41
109	Structure and dynamics of coupled viscous liquids. <i>Molecular Physics</i> , <b>2015</b> , 113, 2707-2715	1.7	5
108	Diverging viscosity and soft granular rheology in non-Brownian suspensions. <i>Physical Review E</i> , <b>2015</b> , 91, 012203	2.4	43
107	Crossovers in the dynamics of supercooled liquids probed by an amorphous wall. <i>Physical Review E</i> , <b>2014</b> , 89, 052311	2.4	31
106	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> , <b>2014</b> , 111, 11668-72	11.5	40
105	Equilibrium ultrastable glasses produced by random pinning. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 224503	3.9	26
104	Clustering and heterogeneous dynamics in a kinetic Monte Carlo model of self-propelled hard disks. <i>Physical Review E</i> , <b>2014</b> , 89, 062301	2.4	74
103	Nonequilibrium glassy dynamics of self-propelled hard disks. <i>Physical Review Letters</i> , <b>2014</b> , 112, 220602	7.4	109
102	Intermittent dynamics and logarithmic domain growth during the spinodal decomposition of a glass-forming liquid. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 164502	3.9	46
101	Thinning or thickening? Multiple rheological regimes in dense suspensions of soft particles. <i>Europhysics Letters</i> , <b>2014</b> , 107, 28009	1.6	39
100	Disentangling glass and jamming physics in the rheology of soft materials. <i>Soft Matter</i> , <b>2013</b> , 9, 7669	3.6	88
99	Yield stress in amorphous solids: a mode-coupling-theory analysis. <i>Physical Review E</i> , <b>2013</b> , 88, 052305	2.4	16
98	Dynamic criticality at the jamming transition. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 12A507	3.9	87
97	Non-equilibrium glass transitions in driven and active matter. <i>Nature Physics</i> , <b>2013</b> , 9, 310-314	16.2	177
96	Probing a liquid to glass transition in equilibrium. <i>Physical Review Letters</i> , <b>2013</b> , 110, 245702	7.4	88

95	Overlap fluctuations in glass-forming liquids. <i>Physical Review E</i> , <b>2013</b> , 88, 022313	2.4	59
94	Spatial Correlations in Glass-Forming Liquids Across The Mode-Coupling Crossover. <i>Physics Procedia</i> , <b>2012</b> , 34, 70-79		10
93	Reply to "Characterizing dynamic length scales in glass-forming liquids". <i>Nature Physics</i> , <b>2012</b> , 8, 697-697	16.2	14
92	Non-monotonic temperature evolution of dynamic correlations in glass-forming liquids. <i>Nature Physics</i> , <b>2012</b> , 8, 164-167	16.2	164
91	Unified study of glass and jamming rheology in soft particle systems. <i>Physical Review Letters</i> , <b>2012</b> , 109, 018301	7.4	174
90	Inhomogeneous shear flows in soft jammed materials with tunable attractive forces. <i>Physical Review E</i> , <b>2012</b> , 85, 021503	2.4	49
89	Static point-to-set correlations in glass-forming liquids. <i>Physical Review E</i> , <b>2012</b> , 85, 011102	2.4	141
88	Finite-size effects in the dynamics of glass-forming liquids. <i>Physical Review E</i> , <b>2012</b> , 86, 031502	2.4	64
87	Random pinning in glassy spin models with plaquette interactions. <i>Physical Review E</i> , <b>2012</b> , 85, 021120	2.4	36
86	Can the jamming transition be described using equilibrium statistical mechanics?. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2011</b> , 2011, P01004	1.9	5
85	Theoretical perspective on the glass transition and amorphous materials. <i>Reviews of Modern Physics</i> , <b>2011</b> , 83, 587-645	40.5	1298
84	Microscopic mean-field theory of the jamming transition. <i>Physical Review Letters</i> , <b>2011</b> , 106, 135702	7.4	48
83	Overview of different characterizations of dynamic heterogeneity		12
82	Inducing a Curl with a Stretch. <i>Physics Magazine</i> , <b>2011</b> , 4,	1.1	161
81	Testing "microscopic" theories of glass-forming liquids. <i>European Physical Journal E</i> , <b>2011</b> , 34, 96	1.5	36
80	The role of attractive forces in viscous liquids. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 214503	3.9	76
79	Suppressed compressibility at large scale in jammed packings of size-disperse spheres. <i>Physical Review Letters</i> , <b>2011</b> , 106, 120601	7.4	64
78	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> , <b>2011</b> , 134, 054504	3.9	28

77	Microscopic theory of the jamming transition of harmonic spheres. <i>Physical Review E</i> , <b>2011</b> , 84, 051103	2.4	74
76	Highly nonlinear dynamics in a slowly sedimenting colloidal gel. <i>Physical Review Letters</i> , <b>2011</b> , 106, 118302	7.4	40
75	Influence of the glass transition on the liquid-gas spinodal decomposition. <i>Physical Review Letters</i> , <b>2011</b> , 106, 125702	7.4	56
74	Brambilla et al. Reply:. <i>Physical Review Letters</i> , <b>2010</b> , 104,	7.4	15
73	Brambilla et al. Reply:. <i>Physical Review Letters</i> , <b>2010</b> , 105,	7.4	12
72	When gel and glass meet: a mechanism for multistep relaxation. <i>Physical Review E</i> , <b>2010</b> , 81, 040502	2.4	25
71	Scaling of the glassy dynamics of soft repulsive particles: a mode-coupling approach. <i>Physical Review E</i> , <b>2010</b> , 81, 031505	2.4	25
70	Jamming transitions in amorphous packings of frictionless spheres occur over a continuous range of volume fractions. <i>Physical Review Letters</i> , <b>2010</b> , 104, 165701	7.4	172
69	Critical test of the mode-coupling theory of the glass transition. <i>Physical Review E</i> , <b>2010</b> , 82, 031502	2.4	61
68	Subdiffusion and intermittent dynamic fluctuations in the aging regime of concentrated hard spheres. <i>Physical Review E</i> , <b>2010</b> , 82, 031503	2.4	46
67	Increasing the density melts ultrasoft colloidal glasses. <i>Physical Review E</i> , <b>2010</b> , 82, 060501	2.4	69
66	Anomalous structural evolution of soft particles: equilibrium liquid state theory. <i>Soft Matter</i> , <b>2010</b> , 6, 2970	1.6	37
65	Superdiffusive, heterogeneous, and collective particle motion near the fluid-solid transition in athermal disordered materials. <i>Europhysics Letters</i> , <b>2010</b> , 90, 20005	1.6	54
64	Glass transition of dense fluids of hard and compressible spheres. <i>Physical Review E</i> , <b>2009</b> , 80, 021502	2.4	170
63	Probing the equilibrium dynamics of colloidal hard spheres above the mode-coupling glass transition. <i>Physical Review Letters</i> , <b>2009</b> , 102, 085703	7.4	279
62	Dynamic light scattering measurements in the activated regime of dense colloidal hard spheres. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2009</b> , 2009, P07015	1.9	47
61	Nonperturbative effect of attractive forces in viscous liquids. <i>Physical Review Letters</i> , <b>2009</b> , 103, 170601	7.4	123
60	Compressing nearly hard sphere fluids increases glass fragility. <i>Europhysics Letters</i> , <b>2009</b> , 86, 10001	1.6	115



59	Static and dynamic properties of a reversible gel <b>2009</b> ,		5
58	A random walk description of the heterogeneous glassy dynamics of attracting colloids. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 244126	1.8	28
57	Revisiting the slow dynamics of a silica melt using Monte Carlo simulations. <i>Physical Review E</i> , <b>2007</b> , 76, 011507	2.4	46
56	Spontaneous and induced dynamic correlations in glass formers. II. Model calculations and comparison to numerical simulations. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 184504	3.9	146
55	The Monte Carlo dynamics of a binary Lennard-Jones glass-forming mixture. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 205130	1.8	101
54	Non-equilibrium dynamics of spin facilitated glass models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2007</b> , 2007, P07017-P07017	1.9	25
53	Structure and dynamics of glass formers: predictability at large length scales. <i>Physical Review E</i> , <b>2007</b> , 76, 041509	2.4	81
52	Efficient measurement of linear susceptibilities in molecular simulations: application to aging supercooled liquids. <i>Physical Review Letters</i> , <b>2007</b> , 98, 220601	7.4	50
51	Heterogeneous diffusion in a reversible gel. <i>Physical Review Letters</i> , <b>2007</b> , 98, 135503	7.4	68
50	Course 13 The slow dynamics of glassy materials: Insights from computer simulations. <i>Les Houches Summer School Proceedings</i> , <b>2007</b> , 85, 473-482		
49	Amorphous silica modeled with truncated and screened Coulomb interactions: a molecular dynamics simulation study. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 114512	3.9	79
48	Universal nature of particle displacements close to glass and jamming transitions. <i>Physical Review Letters</i> , <b>2007</b> , 99, 060604	7.4	291
47	Spatial correlations in the dynamics of glassforming liquids: experimental determination of their temperature dependence. <i>Physical Review E</i> , <b>2007</b> , 76, 041510	2.4	204
46	Spontaneous and induced dynamic fluctuations in glass formers. I. General results and dependence on ensemble and dynamics. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 184503	3.9	212
45	Fluctuation-dissipation relations in plaquette spin systems with multi-stage relaxation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2006</b> , 2006, P12005-P12005	1.9	13
44	Activated aging dynamics and negative fluctuation-dissipation ratios. <i>Physical Review Letters</i> , <b>2006</b> , 96, 030602	7.4	26
43	Dynamic heterogeneity in the Glauber-Bing chain. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2005</b> , 2005, P05002	1.9	8
42	Direct experimental evidence of a growing length scale accompanying the glass transition. <i>Science</i> , <b>2005</b> , 310, 1797-800	33.3	658

41	Numerical study of a fragile three-dimensional kinetically constrained model. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 3578-85	3-4	47
40	Dynamical susceptibility of glass formers: contrasting the predictions of theoretical scenarios. <i>Physical Review E</i> , <b>2005</b> , 71, 041505	2-4	220
39	Lifetime of dynamic heterogeneity in strong and fragile kinetically constrained spin models. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, S3571-S3577	1-8	18
38	Ageing and ultra-slow equilibration in concentrated colloidal hard spheres. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, S3543-S3549	1-8	32
37	Static and dynamic length scales in a simple glassy plaquette model. <i>Physical Review E</i> , <b>2005</b> , 72, 016103	2-4	27
36	Temperature cycles in the Heisenberg spin glass. <i>Physical Review B</i> , <b>2005</b> , 71,	3-3	23
35	Renormalization group study of a kinetically constrained model for strong glasses. <i>Physical Review E</i> , <b>2005</b> , 71, 026128	2-4	43
34	Spatially heterogeneous dynamics in a model for granular compaction. <i>Physical Review E</i> , <b>2005</b> , 72, 010301	1-4	14
33	Length scale for the onset of Fickian diffusion in supercooled liquids. <i>Europhysics Letters</i> , <b>2005</b> , 69, 320-326	3-26	143
32	Time and length scales in spin glasses. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S729-S734	1-8	10
31	Dynamic criticality in glass-forming liquids. <i>Physical Review Letters</i> , <b>2004</b> , 92, 185705	7-4	154
30	Reply to Comment on Fluctuation-dissipation relations in the nonequilibrium critical dynamics of Ising models. <i>Physical Review E</i> , <b>2004</b> , 70,	2-4	14
29	Time and length scales in supercooled liquids. <i>Physical Review E</i> , <b>2004</b> , 69, 020201	2-4	187
28	Heterogeneous dynamics of coarsening systems. <i>Physical Review Letters</i> , <b>2004</b> , 93, 115701	7-4	69
27	Ageing dynamics of the Heisenberg spin glass. <i>Physical Review B</i> , <b>2004</b> , 69,	3-3	43
26	A few bubbles in a glass <b>2004</b> ,		2
25	Energetics of clusters in the two-dimensional Gaussian Ising spin glass. <i>Journal of Physics A</i> , <b>2003</b> , 36, 10835-10846		6
24	A consequence of local equilibration and heterogeneity in glassy materials. <i>Journal of Physics A</i> , <b>2003</b> , 36, 10667-10681		1

23	Yield stress, heterogeneities and activated processes in soft glassy materials. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, S933-S943	1.8	29
22	Shear localization in a model glass. <i>Physical Review Letters</i> , <b>2003</b> , 90, 095702	7.4	190
21	Nontopographic description of inherent structure dynamics in glassformers. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 4367-4371	3.9	69
20	Finite-size scaling analysis of the glass transition. <i>Physical Review Letters</i> , <b>2003</b> , 91, 055701	7.4	52
19	Fluctuation-dissipation relations in the nonequilibrium critical dynamics of Ising models. <i>Physical Review E</i> , <b>2003</b> , 68, 016116	2.4	56
18	Real space origin of temperature crossovers in supercooled liquids. <i>Physical Review E</i> , <b>2003</b> , 68, 041201	2.4	97
17	Comment on "Symmetrical temperature-chaos effect with positive and negative temperature shifts in a spin glass". <i>Physical Review Letters</i> , <b>2003</b> , 90, 059701; author reply 059702	7.4	15
16	Shearing a glassy material: numerical tests of nonequilibrium mode-coupling approaches and experimental proposals. <i>Physical Review Letters</i> , <b>2002</b> , 89, 095702	7.4	155
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