

Giorgio Parisi

List of Publications by Year in descending order

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377
papers

34,409
citations

5574

82
h-index

3915

177
g-index

390
all docs

390
docs citations

390
times ranked

10835
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Scaling of Growing Interfaces. <i>Physical Review Letters</i> , 1986, 56, 889-892.	7.8	4,448
2	Interaction ruling animal collective behavior depends on topological rather than metric distance: Evidence from a field study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1232-1237.	7.1	1,557
3	Simulated Tempering: A New Monte Carlo Scheme. <i>Europhysics Letters</i> , 1992, 19, 451-458.	2.0	1,440
4	Planar diagrams. <i>Communications in Mathematical Physics</i> , 1978, 59, 35-51.	2.2	1,283
5	Infinite Number of Order Parameters for Spin-Glasses. <i>Physical Review Letters</i> , 1979, 43, 1754-1756.	7.8	920
6	Analytic and Algorithmic Solution of Random Satisfiability Problems. <i>Science</i> , 2002, 297, 812-815.	12.6	848
7	Random Magnetic Fields, Supersymmetry, and Negative Dimensions. <i>Physical Review Letters</i> , 1979, 43, 744-745.	7.8	788
8	Scale-free correlations in starling flocks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11865-11870.	7.1	786
9	Order Parameter for Spin-Glasses. <i>Physical Review Letters</i> , 1983, 50, 1946-1948.	7.8	718
10	The order parameter for spin glasses: a function on the interval 0-1. <i>Journal of Physics A</i> , 1980, 13, 1101-1112.	1.6	716
11	A sequence of approximated solutions to the S-K model for spin glasses. <i>Journal of Physics A</i> , 1980, 13, L115-L121.	1.6	669
12	The Bethe lattice spin glass revisited. <i>European Physical Journal B</i> , 2001, 20, 217-233.	1.5	631
13	Mean-field theory of hard sphere glasses and jamming. <i>Reviews of Modern Physics</i> , 2010, 82, 789-845.	45.6	575
14	Nature of the Spin-Glass Phase. <i>Physical Review Letters</i> , 1984, 52, 1156-1159.	7.8	440
15	Empirical investigation of starling flocks: a benchmark study in collective animal behaviour. <i>Animal Behaviour</i> , 2008, 76, 201-215.	1.9	397
16	Critical Behavior of Branched Polymers and the Lee-Yang Edge Singularity. <i>Physical Review Letters</i> , 1981, 46, 871-874.	7.8	394
17	Fractal free energy landscapes in structural glasses. <i>Nature Communications</i> , 2014, 5, 3725.	12.8	374
18	Magnetic properties of spin glasses in a new mean field theory. <i>Journal of Physics A</i> , 1980, 13, 1887-1895.	1.6	350

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19	Thermodynamics of Glasses: A First Principles Computation. <i>Physical Review Letters</i> , 1999, 82, 747-750.	7.8	308
20	Phonon interpretation of the "boson peak" in supercooled liquids. <i>Nature</i> , 2003, 422, 289-292.	27.8	291
21	Replica field theory for random manifolds. <i>Journal De Physique, I</i> , 1991, 1, 809-836.	1.2	287
22	The Cavity Method at Zero Temperature. <i>Journal of Statistical Physics</i> , 2003, 111, 1-34.	1.2	286
23	Supersymmetric field theories and stochastic differential equations. <i>Nuclear Physics B</i> , 1982, 206, 321-332.	2.5	247
24	Toward a mean field theory for spin glasses. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1979, 73, 203-205.	2.1	221
25	Recipes for Metastable States in Spin Glasses. <i>Journal De Physique, I</i> , 1995, 5, 1401-1415.	1.2	220
26	Glass and Jamming Transitions: From Exact Results to Finite-Dimensional Descriptions. <i>Annual Review of Condensed Matter Physics</i> , 2017, 8, 265-288.	14.5	217
27	SK Model: The Replica Solution without Replicas. <i>Europhysics Letters</i> , 1986, 1, 77-82.	2.0	208
28	Critical exponents of the three-dimensional diluted Ising model. <i>Physical Review B</i> , 1998, 58, 2740-2747.	3.2	202
29	A first-principle computation of the thermodynamics of glasses. <i>Journal of Chemical Physics</i> , 1999, 111, 1076-1095.	3.0	197
30	Phase Diagram of Coupled Glassy Systems: A Mean-Field Study. <i>Physical Review Letters</i> , 1997, 79, 2486-2489.	7.8	186
31	Measuring Equilibrium Properties in Aging Systems. <i>Physical Review Letters</i> , 1998, 81, 1758-1761.	7.8	184
32	Replica field theory for deterministic models. II. A non-random spin glass with glassy behaviour. <i>Journal of Physics A</i> , 1994, 27, 7647-7668.	1.6	173
33	Title is missing!. <i>Journal of Statistical Physics</i> , 2000, 98, 973-1074.	1.2	173
34	Replicas and optimization. <i>Journal De Physique (Paris), Lettres</i> , 1985, 46, 771-778.	2.8	173
35	Mean-Field Theory of Randomly Frustrated Systems with Finite Connectivity. <i>Europhysics Letters</i> , 1987, 3, 1067-1074.	2.0	162
36	Off-Equilibrium Fluctuation-Dissipation Relation in Fragile Glasses. <i>Physical Review Letters</i> , 1997, 79, 3660-3663.	7.8	162

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37	Off equilibrium dynamics and aging in unfrustrated systems. Journal De Physique, I, 1994, 4, 1641-1656.	1.2	161
38	Theory of non-linear susceptibility and correlation length in glasses and liquids. Journal of Non-Crystalline Solids, 2002, 307-310, 215-224.	3.1	153
39	On non-linear susceptibility in supercooled liquids. Journal of Physics Condensed Matter, 2000, 12, 6335-6342.	1.8	150
40	Universal spectrum of normal modes in low-temperature glasses. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14539-14544.	7.1	147
41	Geometric Approach to the Dynamic Glass Transition. Physical Review Letters, 2002, 88, 055502.	7.8	144
42	Maximally multipartite entangled states. Physical Review A, 2008, 77, .	2.5	138
43	Fast Monte Carlo algorithm for supercooled soft spheres. Physical Review E, 2001, 63, 045102.	2.1	135
44	Thermodynamical Liquid-Glass Transition in a Lennard-Jones Binary Mixture. Physical Review Letters, 2000, 84, 306-309.	7.8	129
45	Universal Microstructure and Mechanical Stability of Jammed Packings. Physical Review Letters, 2012, 109, 205501.	7.8	129
46	A Simple hypothesis for the spin glass phase of the pfinite-ranged SK model. Journal De Physique (Paris), Lettres, 1980, 41, 361-364.	2.8	129
47	Exact theory of dense amorphous hard spheres in high dimension. III. The full replica symmetry breaking solution. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P10009.	2.3	127
48	Connected Network of Minima as a Model Glass: Long Time Dynamics. Physical Review Letters, 1998, 81, 4648-4651.	7.8	124
49	Random free energies in spin glasses. Journal De Physique (Paris), Lettres, 1985, 46, 217-222.	2.8	123
50	Critical exponents of the KPZ equation via multi-surface coding numerical simulations. Journal of Physics A, 2000, 33, 8181-8192.	1.6	123
51	Replica field theory for deterministic models: I. Binary sequences with low autocorrelation. Journal of Physics A, 1994, 27, 7615-7645.	1.6	122
52	Exact Theory of Dense Amorphous Hard Spheres in High Dimension. II. The High Density Regime and the Gardner Transition. Journal of Physical Chemistry B, 2013, 117, 12979-12994.	2.6	121
53	Numerical Evidence for Spontaneously Broken Replica Symmetry in 3D Spin Glasses. Physical Review Letters, 1996, 76, 843-846.	7.8	118
54	Jamming Criticality Revealed by Removing Localized Buckling Excitations. Physical Review Letters, 2015, 114, 125504.	7.8	118

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55	Stationary points of the Thouless-Anderson-Palmer free energy. <i>Physical Review B</i> , 1998, 57, 11251-11257.	3.2	116
56	Critical exponents and large-order behavior of perturbation theory. <i>Journal of Statistical Physics</i> , 1978, 19, 269-292.	1.2	115
57	Mean-Field Equations for the Matching and the Travelling Salesman Problems. <i>Europhysics Letters</i> , 1986, 2, 913-918.	2.0	114
58	Spectra of euclidean random matrices. <i>Nuclear Physics B</i> , 1999, 559, 689-701.	2.5	114
59	Instability of one-step replica-symmetry-broken phase in satisfiability problems. <i>Journal of Physics A</i> , 2004, 37, 2073-2091.	1.6	114
60	Perturbation theory at large orders for a potential with degenerate minima. <i>Physical Review D</i> , 1977, 16, 408-412.	4.7	106
61	Propagating waves in starling, <i>Sturnus vulgaris</i> , flocks under predation. <i>Animal Behaviour</i> , 2011, 82, 759-765.	1.9	105
62	Exact theory of dense amorphous hard spheres in high dimension I. The free energy. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P10012.	2.3	104
63	P-adic numbers and replica symmetry breaking. <i>European Physical Journal B</i> , 2000, 14, 535-542.	1.5	102
64	Hopping and the Stokes-Einstein relation breakdown in simple glass formers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15025-15030.	7.1	102
65	Theory of Amorphous Packings of Binary Mixtures of Hard Spheres. <i>Physical Review Letters</i> , 2009, 102, 195701.	7.8	101
66	On the solution of the random link matching problems. <i>Journal De Physique</i> , 1987, 48, 1451-1459.	1.8	100
67	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
68	Title is missing!. <i>Journal of Statistical Physics</i> , 1999, 97, 459-488.	1.2	98
69	The ideal glass transition of hard spheres. <i>Journal of Chemical Physics</i> , 2005, 123, 144501.	3.0	98
70	A tentative replica study of the glass transition. <i>Journal of Physics A</i> , 1996, 29, 6515-6524.	1.6	97
71	Phase structure of the three-dimensional Edwards-Anderson spin glass. <i>Physical Review B</i> , 1998, 58, 14852-14863.	3.2	97
72	Thermodynamics of binary mixture glasses. <i>Journal of Chemical Physics</i> , 1999, 111, 9039-9052.	3.0	97

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73	The STARFLAG handbook on collective animal behaviour: 1. Empirical methods. <i>Animal Behaviour</i> , 2008, 76, 217-236.	1.9	95
74	Class Transition and Random Close Packing above Three Dimensions. <i>Physical Review Letters</i> , 2011, 107, 185702.	7.8	95
75	Field theory of fluctuations in glasses. <i>European Physical Journal E</i> , 2011, 34, 102.	1.6	92
76	Off-Equilibrium Effective Temperature in Monatomic Lennard-Jones Glass. <i>Physical Review Letters</i> , 2000, 84, 6054-6057.	7.8	87
77	3d Ising Spin-Glasses in a Magnetic Field and Mean-Field Theory. <i>Europhysics Letters</i> , 1990, 11, 783-789.	2.0	85
78	Dilute One-Dimensional Spin Glasses with Power Law Decaying Interactions. <i>Physical Review Letters</i> , 2008, 101, 107203.	7.8	85
79	Constrained Boltzmann-Gibbs measures and effective potential for glasses in hypernetted chain approximation and numerical simulations. <i>Journal of Chemical Physics</i> , 1999, 110, 1726-1734.	3.0	84
80	Effective potential in glassy systems: theory and simulations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 261, 317-339.	2.6	83
81	Width distributions and the upper critical dimension of Kardar-Parisi-Zhang interfaces. <i>Physical Review E</i> , 2002, 65, 026136.	2.1	83
82	An In-Depth View of the Microscopic Dynamics of Ising Spin Glasses at Fixed Temperature. <i>Journal of Statistical Physics</i> , 2009, 135, 1121-1158.	1.2	83
83	The simplest model of jamming. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 145001.	2.1	83
84	Shear bands as manifestation of a criticality in yielding amorphous solids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5577-5582.	7.1	83
85	Critical parameters of the three-dimensional Ising spin glass. <i>Physical Review B</i> , 2013, 88, .	3.2	82
86	Singularities of the Borel transform in renormalizable theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1978, 76, 65-66.	4.1	81
87	Mean-field equations for spin models with orthogonal interaction matrices. <i>Journal of Physics A</i> , 1995, 28, 5267-5285.	1.6	81
88	Phase Transitions of Bipartite Entanglement. <i>Physical Review Letters</i> , 2008, 101, 050502.	7.8	81
89	FROM EMPIRICAL DATA TO INTER-INDIVIDUAL INTERACTIONS: UNVEILING THE RULES OF COLLECTIVE ANIMAL BEHAVIOR. <i>Mathematical Models and Methods in Applied Sciences</i> , 2010, 20, 1491-1510.	3.3	81
90	Universality of the SAT-UNSAT (jamming) threshold in non-convex continuous constraint satisfaction problems. <i>SciPost Physics</i> , 2017, 2, .	4.9	78

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91	Nonequilibrium Spin-Glass Dynamics from Picoseconds to a Tenth of a Second. <i>Physical Review Letters</i> , 2008, 101, 157201.	7.8	77
92	Universal Non-Debye Scaling in the Density of States of Amorphous Solids. <i>Physical Review Letters</i> , 2016, 117, 045503.	7.8	77
93	Lennard-Jones binary mixture: A thermodynamical approach to glass transition. <i>Journal of Chemical Physics</i> , 2000, 112, 2933-2944.	3.0	76
94	Temperature evolution and bifurcations of metastable states in mean-field spin glasses, with connections with structural glasses. <i>Journal of Physics A</i> , 1997, 30, 5593-5612.	1.6	75
95	Janus: An FPGA-Based System for High-Performance Scientific Computing. <i>Computing in Science and Engineering</i> , 2009, 11, 48-58.	1.2	75
96	Glass transition and effective potential in the hypernetted chain approximation. <i>Journal of Physics A</i> , 1998, 31, L163-L169.	1.6	73
97	Relations between short-range and long-range Ising models. <i>Physical Review E</i> , 2014, 89, 062120.	2.1	73
98	Effects of the random number generator on computer simulations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 157, 301-302.	4.1	72
99	The STARFLAG handbook on collective animal behaviour: 2. Three-dimensional analysis. <i>Animal Behaviour</i> , 2008, 76, 237-248.	1.9	72
100	Statistical physics of structural glasses. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 6655-6673.	1.8	71
101	Vibrational Spectrum of Topologically Disordered Systems. <i>Physical Review Letters</i> , 2001, 87, 085502.	7.8	70
102	Nature of the spin-glass phase at experimental length scales. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P06026.	2.3	70
103	Dimensional study of the caging order parameter at the glass transition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13939-13943.	7.1	67
104	Ising Spin-Glass Transition in a Magnetic Field Outside the Limit of Validity of Mean-Field Theory. <i>Physical Review Letters</i> , 2009, 103, 267201.	7.8	65
105	Toy model for the mean-field theory of hard-sphere liquids. <i>Physical Review E</i> , 2000, 62, 6554-6559.	2.1	64
106	Phase-Separation Perspective on Dynamic Heterogeneities in Glass-Forming Liquids. <i>Physical Review Letters</i> , 2010, 105, 055703.	7.8	63
107	Scale Invariance in Disordered Systems: The Example of the Random-Field Ising Model. <i>Physical Review Letters</i> , 2002, 89, 257204.	7.8	61
108	Spatially balanced topological interaction grants optimal cohesion in flocking models. <i>Interface Focus</i> , 2012, 2, 715-725.	3.0	61

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109	The four-dimensional site-diluted Ising model: A finite-size scaling study. Nuclear Physics B, 1998, 512, 681-701.	2.5	60
110	On dynamical correlations in supercooled liquids. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1999, 79, 1827-1831.	0.6	60
111	The Mpemba effect in spin glasses is a persistent memory effect. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15350-15355.	7.1	59
112	Quantitative field theory of the glass transition. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18725-18730.	7.1	57
113	Random pinning glass model. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2752-2757.	7.1	55
114	THE APE-100 COMPUTER: (I) THE ARCHITECTURE. International Journal of High Speed Computing, 1993, 05, 637-656.	0.2	54
115	Thermodynamic glass transition in a spin glass without time-reversal symmetry. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6452-6456.	7.1	54
116	Numerical estimate of the Kardar-Parisi-Zhang universality class in (2+1) dimensions. Physical Review E, 2015, 92, 010101.	2.1	54
117	Low temperature behaviour of 3-D spin glasses in a magnetic field. Journal De Physique, 1990, 51, 1877-1895.	1.8	53
118	Statistical Physics and biology. Physics World, 1993, 6, 42-47.	0.0	53
119	Closing probabilities in the Kauffman model: An annealed computation. Physica D: Nonlinear Phenomena, 1996, 98, 1-25.	2.8	52
120	Equilibrium and off-equilibrium simulations of the Gaussian spin glass. Journal of Physics A, 1996, 29, 7943-7957.	1.6	52
121	Critical Slowing Down Exponents of Mode Coupling Theory. Physical Review Letters, 2012, 108, 085702.	7.8	52
122	Interfaces and lower critical dimension in a spin glass model. Journal De Physique, I, 1994, 4, 1657-1667.	1.2	52
123	Dimensional dependence of the Stokes-Einstein relation and its violation. Journal of Chemical Physics, 2013, 139, 164502.	3.0	50
124	Scaling hypothesis for the Euclidean bipartite matching problem. Physical Review E, 2014, 90, 012118.	2.1	50
125	Analytic Computation of the Instantaneous Normal Modes Spectrum in Low-Density Liquids. Physical Review Letters, 1999, 83, 108-111.	7.8	49
126	Spin glasses and fragile glasses: Statics, dynamics, and complexity. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7948-7955.	7.1	49

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127	Soft Modes, Localization, and Two-Level Systems in Spin Glasses. <i>Physical Review Letters</i> , 2015, 115, 267205.	7.8	49
128	A Numerical Study of the Critical Line of Kauffman Networks. <i>Journal of Theoretical Biology</i> , 1997, 187, 117-133.	1.7	48
129	The Euclidean matching problem. <i>Journal De Physique</i> , 1988, 49, 2019-2025.	1.8	48
130	Amorphous packings of hard spheres for large space dimension. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006, 2006, P03017-P03017.	2.3	47
131	Phase transitions and metastability in the distribution of the bipartite entanglement of a large quantum system. <i>Physical Review A</i> , 2010, 81, .	2.5	47
132	Replica symmetry breaking in and around six dimensions. <i>Nuclear Physics B</i> , 2012, 858, 293-316.	2.5	47
133	The Crossover Region Between Long-Range and Short-Range Interactions for the Critical Exponents. <i>Journal of Statistical Physics</i> , 2014, 157, 855-868.	1.2	47
134	An Increasing Correlation Length in Off-Equilibrium Glasses. <i>Journal of Physical Chemistry B</i> , 1999, 103, 4128-4131.	2.6	46
135	Critical dynamics in glassy systems. <i>Physical Review E</i> , 2013, 87, 012101.	2.1	46
136	Probing the non-Debye low-frequency excitations in glasses through random pinning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8700-8704.	7.1	46
137	The replica method on and off equilibrium. <i>Journal De Physique, I</i> , 1992, 2, 1869-1880.	1.2	46
138	General Method to Determine Replica Symmetry Breaking Transitions. <i>Physical Review Letters</i> , 1998, 81, 1698-1701.	7.8	45
139	Vibrations in glasses and Euclidean random matrix theory. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 2167-2179.	1.8	45
140	On the static and dynamical transition in the mean-field Potts glass. <i>Journal of Physics A</i> , 1995, 28, 3025-3041.	1.6	44
141	Off-equilibrium dynamics at very low temperatures in three-dimensional spin glasses. <i>Journal of Physics A</i> , 2000, 33, 2373-2382.	1.6	44
142	New statistical tools for analyzing the structure of animal groups. <i>Mathematical Biosciences</i> , 2008, 214, 32-37.	1.9	44
143	Universality in the off-equilibrium critical dynamics of the three-dimensional diluted Ising model. <i>Physical Review E</i> , 1999, 60, 5198-5201.	2.1	43
144	Hierarchical Random Energy Model of a Spin Glass. <i>Physical Review Letters</i> , 2010, 104, 127206.	7.8	43

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145	Numerical detection of the Gardner transition in a mean-field glass former. <i>Physical Review E</i> , 2015, 92, 012316.	2.1	43
146	Critical finite-size corrections for the Sherrington-Kirkpatrick spin glass. <i>Journal of Physics A</i> , 1993, 26, 247-259.	1.6	40
147	Several results on the finite-size corrections in the Sherrington-Kirkpatrick spin-glass model. <i>Journal of Physics A</i> , 1993, 26, 3775-3789.	1.6	40
148	Effects of a Bulk Perturbation on the Ground State of 3D Ising Spin Glasses. <i>Physical Review Letters</i> , 2001, 86, 3887-3890.	7.8	40
149	Janus II: A new generation application-driven computer for spin-system simulations. <i>Computer Physics Communications</i> , 2014, 185, 550-559.	7.5	40
150	Role of saddles in mean-field dynamics above the glass transition. <i>Journal of Physics A</i> , 2001, 34, 5317-5326.	1.6	39
151	On the formal equivalence of the TAP and thermodynamic methods in the SK model. <i>Journal of Physics A</i> , 2003, 36, 1175-1194.	1.6	39
152	Ensemble renormalization group for disordered systems. <i>Physical Review B</i> , 2013, 87, .	3.2	39
153	The three-dimensional Ising spin glass in an external magnetic field: the role of the silent majority. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P05014.	2.3	38
154	An investigation of the hidden structure of states in a mean-field spin-glass model. <i>Journal of Physics A</i> , 1997, 30, 7021-7038.	1.6	37
155	Static versus Dynamic Heterogeneities in the $D < 3 >$ Edwards-Anderson-Ising Spin Glass. <i>Physical Review Letters</i> , 2010, 105, 177202.	7.8	37
156	On the origin of ultrametricity. <i>Journal of Physics A</i> , 2000, 33, 113-129.	1.6	36
157	Zero-Temperature Responses of a 3D Spin Glass in a Magnetic Field. <i>Physical Review Letters</i> , 2001, 87, 197204.	7.8	36
158	The backtracking survey propagation algorithm for solving random K-SAT problems. <i>Nature Communications</i> , 2016, 7, 12996.	12.8	36
159	Kob-Andersen model: A nonstandard mechanism for the glassy transition. <i>Physical Review E</i> , 2002, 65, 021506.	2.1	35
160	Ultrametricity in the Edwards-Anderson Model. <i>Physical Review Letters</i> , 2007, 99, 057206.	7.8	34
161	On the origin of the boson peak. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S765-S774.	1.8	33
162	Large Deviations in the Free Energy of Mean-Field Spin Glasses. <i>Physical Review Letters</i> , 2008, 101, 117205.	7.8	33

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163	Temperature chaos in 3D Ising spin glasses is driven by rare events. Europhysics Letters, 2013, 103, 67003.	2.0	33
164	Evidence for Supersymmetry in the Random-Field Ising Model at $D < 5$. Physical Review Letters, 2019, 122, 240603.	7.8	33
165	Growing length scales in a supercooled liquid close to an interface. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 283-290.	0.6	32
166	Dynamics of the four-dimensional spin glass in a magnetic field. Physical Review B, 1998, 57, 13617-13623.	3.2	31
167	The dynamical structure factor in topologically disordered systems. Journal of Chemical Physics, 2001, 114, 8068-8081.	3.0	31
168	Multipartite entanglement and frustration. New Journal of Physics, 2010, 12, 025015.	2.9	31
169	Matching Microscopic and Macroscopic Responses in Glasses. Physical Review Letters, 2017, 118, 157202.	7.8	31
170	Effects of changing the boundary conditions on the ground state of Ising spin glasses. Physical Review B, 2000, 62, 11677-11685.	3.2	30
171	Brillouin and boson peaks in glasses from vector Euclidean random matrix theory. Journal of Chemical Physics, 2003, 119, 8577-8591.	3.0	30
172	Flying to the bottom. Nature Materials, 2013, 12, 94-95.	27.5	30
173	Universality classes of critical points in constrained glasses. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P11012.	2.3	30
174	Dynamical transition in the spin glass in an external magnetic field. Physical Review E, 2014, 89, 032140.	2.1	30
175	Finite-size corrections to the spectrum of regular random graphs: An analytical solution. Physical Review E, 2014, 90, 052109.	2.1	29
176	Aging Rate of Spin Glasses from Simulations Matches Experiments. Physical Review Letters, 2018, 120, 267203.	7.8	29
177	On toy ageing. Journal of Physics A, 1993, 26, L1149-L1156.	1.6	28
178	Phase diagram and large deviations in the free energy of mean-field spin glasses. Physical Review B, 2009, 79, .	3.2	28
179	Overlap interfaces in hierarchical spin-glass models. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P02002.	2.3	28
180	Short-time aging in binary glasses. Journal of Physics A, 1997, 30, L765-L770.	1.6	27

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181	Numerical study of a short-range-spin glass model in three dimensions. <i>Physical Review B</i> , 1998, 58, 12081-12089.	3.2	27
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