Alex Hansen

List of Publications by Year
in descending order

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213 papers	5,777 citations	94433 37 h-index	91884 69 g-index
219 all docs	219 docs citations	219 times ranked	2634 citing authors

#	Article	IF	Citations
1	Editorial: Machine Learning in Natural Complex Systems. Frontiers in Applied Mathematics and Statistics, 2022, 8, .	1.3	1
2	The Co-Moving Velocity in Immiscible Two-Phase Flow in Porous Media. Transport in Porous Media, 2022, 143, 69-102.	2.6	8
3	Aging and Failure of a Polymer Chain under Tension. Physical Review Letters, 2021, 126, 085501.	7.8	4
4	Fluid Meniscus Algorithms for Dynamic Pore-Network Modeling of Immiscible Two-Phase Flow in Porous Media. Frontiers in Physics, 2021, 8, .	2.1	14
5	Hyperballistic Superdiffusion and Explosive Solutions to the Non-Linear Diffusion Equation. Frontiers in Physics, 2021, 9, .	2.1	6
6	Criterion for Imminent Failure During Loadingâ€"Discrete Element Method Analysis. Frontiers in Physics, 2021, 9, .	2.1	5
7	Crack localization and the interplay between stress enhancement and thermal noise. Physica A: Statistical Mechanics and Its Applications, 2021, 569, 125782.	2.6	3
8	Predicting Motion Patterns Using Optimal Paths. Frontiers in Physics, 2021, 9, .	2.1	1
9	Role of Pore-Size Distribution on Effective Rheology of Two-Phase Flow in Porous Media. Frontiers in Water, 2021, 3, .	2.3	5
10	Rheology of Immiscible Two-phase Flow in Mixed Wet Porous Media: Dynamic Pore Network Model and Capillary Fiber Bundle Model Results. Transport in Porous Media, 2021, 139, 491-512.	2.6	9
11	Editorial: The Fiber Bundle. Frontiers in Physics, 2021, 9, .	2.1	1
12	Burst Dynamics, Upscaling and Dissipation of Slow Drainage in Porous Media. Frontiers in Physics, 2021, 9, .	2.1	7
13	The Three Extreme Value Distributions: An Introductory Review. Frontiers in Physics, 2020, 8, .	2.1	27
14	Effective Rheology of Bi-viscous Non-newtonian Fluids in Porous Media. Frontiers in Physics, 2020, 7, .	2.1	5
15	Editorial: Physics of Porous Media. Frontiers in Physics, 2020, 8, .	2.1	0
16	Pore Network Modeling of the Effects of Viscosity Ratio and Pressure Gradient on Steady-State Incompressible Two-Phase Flow in Porous Media. Transport in Porous Media, 2020, 132, 355-379.	2.6	13
17	Onsager-Symmetry Obeyed in Athermal Mesoscopic Systems: Two-Phase Flow in Porous Media. Frontiers in Physics, 2020, 8, .	2.1	11
18	Flow-Area Relations in Immiscible Two-Phase Flow in Porous Media. Frontiers in Physics, 2020, 8, .	2.1	12

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19	Phase transitions and correlations in fracture processes where disorder and stress compete. Physical Review Research, 2020, 2, .	3.6	6
20	Anomalous Diffusion in Systems with Concentration-Dependent Diffusivity: Exact Solutions and Particle Simulations. Frontiers in Physics, 2020, 8, .	2.1	10
21	Can Local Stress Enhancement Induce Stability in Fracture Processes? Part I: Apparent Stability. Frontiers in Physics, 2019, 7, .	2.1	1
22	Rheology of High-Capillary Number Two-Phase Flow in Porous Media. Frontiers in Physics, 2019, 7, .	2.1	9
23	Effective Rheology of Two-Phase Flow in a Capillary Fiber Bundle Model. Frontiers in Physics, 2019, 7, .	2.1	15
24	Comprehensive comparison of pore-scale models for multiphase flow in porous media. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13799-13806.	7.1	162
25	Non-isothermal Transport of Multi-phase Fluids in Porous Media. Constitutive Equations. Frontiers in Physics, 2019, 6, .	2.1	18
26	Can Local Stress Enhancement Induce Stability in Fracture Processes? Part II: The Shielding Effect. Frontiers in Physics, 2019, 7, .	2.1	1
27	Implications of Realistic Fracture Criteria on Crack Morphology. Frontiers in Physics, 2019, 7, .	2.1	2
28	Variation of Elastic Energy Shows Reliable Signal of Upcoming Catastrophic Failure. Frontiers in Physics, 2019, 7, .	2.1	11
29	A Renormalization Group Procedure for Fiber Bundle Models. Frontiers in Physics, 2018, 6, .	2.1	4
30	Mesoscopic description of the equal-load-sharing fiber bundle model. Physical Review E, 2018, 98, .	2.1	2
31	Non-isothermal Transport of Multi-phase Fluids in Porous Media. The Entropy Production. Frontiers in Physics, 2018, 6, .	2.1	18
32	Relations Between Seepage Velocities in Immiscible, Incompressible Two-Phase Flow in Porous Media. Transport in Porous Media, 2018, 125, 565-587.	2.6	20
33	Stable and Efficient Time Integration of a Dynamic Pore Network Model for Two-Phase Flow in Porous Media. Frontiers in Physics, 2018, 6, .	2.1	24
34	A Monte Carlo Algorithm for Immiscible Two-Phase Flow in Porous Media. Transport in Porous Media, 2017, 116, 869-888.	2.6	12
35	Ensemble distribution for immiscible two-phase flow in porous media. Physical Review E, 2017, 95, 023116.	2.1	8
36	Effective Rheology of Two-Phase Flow in Three-Dimensional Porous Media: Experiment and Simulation. Transport in Porous Media, 2017, 119, 77-94.	2.6	43

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37	Soft-Clamp Fiber Bundle Model and Interfacial Crack Propagation: Comparison Using a Non-linear Imposed Displacement. Frontiers in Physics, 2016, 4, .	2.1	7
38	Fiber Bundle Model in Material Science. , 2015, , 169-196.		0
39	Local load-sharing fiber bundle model in higher dimensions. Physical Review E, 2015, 92, 020401.	2.1	18
40	Creep rupture of fiber bundles: A molecular dynamics investigation. Physical Review E, 2015, 92, 022405.	2.1	9
41	Local and Intermediate Load Sharing. , 2015, , 63-114.		0
42	Recursive Breaking Dynamics. , 2015, , 115-136.		0
43	Appendix A: Mathematical Toolbox. , 2015, , 203-212.		0
44	Appendix B: Statistical Toolbox. , 2015, , 213-222.		0
45	Appendix C: Computational Toolbox. , 2015, , 223-228.		0
46	Snow Avalanches and Landslides. , 2015, , 197-202.		0
47	Network topology of the desert rose. Frontiers in Physics, 2015, 3, .	2.1	7
48	Topological impact of constrained fracture growth. Frontiers in Physics, 2015, 3, .	2.1	22
49	Dynamic Wettability Alteration in Immiscible Two-phase Flow in Porous Media: Effect on Transport Properties and Critical Slowing Down. Frontiers in Physics, 2015, 3, .	2.1	7
50	An effective medium derivation of the Cole-Cole relation for electric conductivity. Geophysics, 2015, 80, E23-E28.	2.6	1
51	Fracture networks in sea ice. Frontiers in Physics, 2014, 2, .	2.1	11
52	Effective rheology of Bingham fluids in a rough channel. Frontiers in Physics, 2014, 2, .	2.1	20
53	Grand challenges in interdisciplinary physics. Frontiers in Physics, 2014, 2, .	2.1	4
54	Film flow dominated simultaneous flow of two viscous incompressible fluids through a porous medium. Frontiers in Physics, 2014, 2, .	2.1	14

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55	Local dynamics of a randomly pinned crack front: a numerical study. Frontiers in Physics, 2014, 2, .	2.1	15
56	Discrete element modeling of brittle crack roughness in three dimensions. Frontiers in Physics, 2014, 2, .	2.1	1
57	Cracks in random brittle solids:. European Physical Journal: Special Topics, 2014, 223, 2339-2351.	2.6	13
58	Reservoir mapping by global correlation analysis. International Journal of Rock Mechanics and Minings Sciences, 2014, 67, 181-183.	5.8	1
59	History independence of steady state in simultaneous two-phase flow through two-dimensional porous media. Physical Review E, 2013, 88, 053004.	2.1	36
60	Geometry of optimal path hierarchies. Europhysics Letters, 2013, 103, 30003.	2.0	14
61	Universality Classes in Constrained Crack Growth. Physical Review Letters, 2013, 111, 135502.	7.8	30
62	Effective rheology of bubbles moving in a capillary tube. Physical Review E, 2013, 87, 025001.	2.1	26
63	Topology of fracture networks. Frontiers in Physics, 2013, 1, .	2.1	45
64	Onset of localization in heterogeneous interfacial failure. Physical Review E, 2012, 86, 025101.	2.1	24
65	Effective rheology of immiscible two-phase flow in porous media. Europhysics Letters, 2012, 99, 44004.	2.0	49
66	A model for stable interfacial crack growth. Journal of Physics: Conference Series, 2012, 402, 012039.	0.4	3
67	A Dynamic Network Model for Two-Phase Flow in Porous Media. Transport in Porous Media, 2012, 92, 145-164.	2.6	38
68	Anomalous scaling and solitary waves in systems with nonlinear diffusion. Physical Review E, 2011, 83, 056314.	2.1	2
69	Two-phase flow in porous media: power-law scaling of effective permeability. Journal of Physics: Conference Series, 2011, 319, 012009.	0.4	7
70	Spatial correlations in permeability distributions due to extreme dynamics restructuring of unconsolidated sandstone. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 553-560.	2.6	3
71	Local wettability reversal during steady-state two-phase flow in porous media. Physical Review E, 2011, 84, 037303.	2.1	6
72	Dynamic Network Modeling of Resistivity Index in a Steady-State Procedure. , 2010, , .		2

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73	Model for density waves in gravity-driven granular flow in narrow pipes. Physical Review E, 2010, 81, 061302.	2.1	7
74	Heat diffusion in a two-dimensional thermal fuse model. Physical Review E, 2010, 81, 066111.	2.1	2
75	Permeability of self-affine aperture fields. Physical Review E, 2010, 82, 046108.	2.1	25
76	Failure processes in elastic fiber bundles. Reviews of Modern Physics, 2010, 82, 499-555.	45.6	283
77	Flux-dependent percolation transition in immiscible two-phase flows in porous media. Physical Review E, 2009, 79, 036310.	2.1	11
78	Towards a thermodynamics of immiscible two-phase steady-state flow in porous media. Computational Geosciences, 2009, 13, 227-234.	2.4	8
79	Burst distribution in noisy fiber bundles and fuse models. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4593-4599.	2.6	1
80	Burst Statistics as a Criterion for Imminent Failure. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2009, , 165-175.	0.2	2
81	CORRELATIONS BETWEEN POLITICAL PARTY SIZE AND VOTER MEMORY: A STATISTICAL ANALYSIS OF OPINION POLLS. International Journal of Modern Physics C, 2008, 19, 1647-1657.	1.7	13
82	Mapping of the Roughness Exponent for the Fuse Model for Fracture. Physical Review Letters, 2008, 100, 045501.	7.8	5
83	Capillary-driven instability of immiscible fluid interfaces flowing in parallel in porous media. Physical Review E, 2008, 78, 035302.	2.1	3
84	Self-affinity in the gradient percolation problem. Physical Review E, 2007, 75, 030102.	2.1	10
85	Roughness exponent measurements for the central force model. Physical Review B, 2007, 76, .	3.2	6
86	Accuracy of roughness exponent measurement methods. Physical Review E, 2007, 76, 031136.	2.1	18
87	Ridge network in crumpled paper. Physical Review E, 2007, 76, 026108.	2.1	39
88	Statistics of fracture surfaces. Physical Review E, 2007, 75, 016104.	2.1	87
89	A Monte Carlo model for networks between professionals and society. Physica A: Statistical Mechanics and Its Applications, 2007, 377, 698-708.	2.6	2
90	Crossover behavior in failure avalanches. Physical Review E, 2006, 74, 016122.	2.1	43

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91	Physics and Scaling of Fracture. International Journal of Fracture, 2006, 140, 1-2.	2.2	3
92	Mean-field theory of localization in a fuse model. Physical Review E, 2006, 73, 046103.	2.1	11
93	Cluster evolution in steady-state two-phase flow in porous media. Physical Review E, 2006, 73, 026306.	2.1	31
94	Analytical Approach to Continuous and Intermittent Bottleneck Flows. Physical Review Letters, 2006, 97, 168001.	7.8	146
95	Superdiffusive conduction: AC conductivity with correlated noise. Physica A: Statistical Mechanics and Its Applications, 2005, 357, 115-121.	2.6	4
96	Crossover Behavior in Burst Avalanches: Signature of Imminent Failure. Physical Review Letters, 2005, 95, 125501.	7.8	100
97	Failure properties of loaded fiber bundles having a lower cutoff in fiber threshold distribution. Physical Review E, 2005, 72, 026111.	2.1	34
98	Crossover behavior in a mixed-mode fiber bundle model. Physical Review E, 2005, 71, 036149.	2.1	29
99	Self-affine crossover length in a layered silicate deposit. Physical Review E, 2004, 69, 036108.	2.1	5
100	Schmittbuhl, Hansen, and Batrouni Reply:. Physical Review Letters, 2004, 92, .	7.8	8
101	Correlation length exponent in the three-dimensional fuse network. Physical Review E, 2004, 70, 036123.	2.1	10
102	Phase Diagram of Optimal Paths. Physical Review Letters, 2004, 93, 040601.	7.8	17
103	Scaling and dynamics of an interfacial crack front. International Journal of Fracture, 2003, 121, 9-22.	2.2	12
104	Drainage in a Rough Gouge-Filled Fracture. Transport in Porous Media, 2003, 50, 267-305.	2.6	16
105	Comment on â€œDynamical Foundations of Nonextensive Statistical Mechanicsâ€• Physical Review Letters, 2003, 90, 218901; discussion 218902.	7.8	6
106	Roughness of Interfacial Crack Fronts: Stress-Weighted Percolation in the Damage Zone. Physical Review Letters, 2003, 90, 045505.	7.8	60
107	Origin of the Universal Roughness Exponent of Brittle Fracture Surfaces:Stress-Weighted Percolation in the Damage Zone. Physical Review Letters, 2003, 90, 045504.	7.8	100
108	IN-PLANE ROUGHNESS OF BRITTLE CRACKS. International Journal of Modern Physics B, 2003, 17, 5631-5644.	2.0	1

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109	Roughness of Brittle Fractures as a Correlated Percolation Problem. Physica Scripta, 2003, T106, 65.	2.5	13
110	Fast algorithm for generating long self-affine profiles. Physical Review E, 2002, 65, 037701.	2.1	6
111	Heterogeneous interfacial failure between two elastic blocks. Physical Review E, 2002, 65, 036126.	2.1	45
112	Relation between Anomalous and Normal Diffusion in Systems with Memory. Physical Review Letters, 2002, 89, 100601.	7.8	171
113	Relation between pressure and fractional flow in two-phase flow in porous media. Physical Review E, 2002, 65, 056310.	2.1	36
114	Apolar and Polar Solvation Thermodynamics Related to the Protein Unfolding Process. Biophysical Journal, 2002, 82, 713-719.	0.5	30
115	Specific heat upon aqueous unfolding of the protein interior: a theoretical approach. Physica A: Statistical Mechanics and Its Applications, 2002, 304, 355-361.	2.6	8
116	Mapping the non-directed polymer model to a non-linear growth equation of Burgers type. Physica A: Statistical Mechanics and Its Applications, 2002, 310, 7-16.	2.6	0
117	Thermodynamics of proteins: Fast folders and sharp transitions. Computer Physics Communications, 2002, 147, 307-312.	7.5	9
118	Bulk Flow Regimes and Fractional Flow in 2D Porous Media by Numerical Simulations. Transport in Porous Media, 2002, 47, 99-121.	2.6	51
119	Heat Capacity of Protein Folding. Biophysical Journal, 2001, 81, 710-714.	0.5	11
120	Protein model exhibiting three folding transitions. Physica A: Statistical Mechanics and Its Applications, 2001, 291, 60-70.	2.6	10
121	Thermodynamical Implications of a Protein Model with Water Interactions. Journal of Theoretical Biology, 2001, 210, 367-373.	1.7	8
122	Title is missing!. Journal of Statistical Physics, 2001, 102, 1133-1150.	1.2	17
123	Crack formation in two-dimensional annular networks. Journal of Physics Condensed Matter, 2001, 13, L135-L140.	1.8	1
124	Distinguishing fractional and white noise in one and two dimensions. Physical Review E, 2001, 63, 062102.	2.1	16
125	Roughness of Crack Interfaces in Two-Dimensional Beam Lattices. Physical Review Letters, 2001, 87, 125503.	7.8	19
126	Comment on â€œNonstationarity Induced by Long-Time Noise Correlations in the Langevin Equationâ€• Physical Review Letters, 2001, 86, 5839-5839.	7.8	7

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127	Random Fuse Networks: A Review. , 2001, , 59-72.		1
128	Modelling an imperfect market. Physica A: Statistical Mechanics and Its Applications, 2000, 283, 469-478.	2.6	10
129	Proteins topâ€“down: a statistical mechanics approach. Physica A: Statistical Mechanics and Its Applications, 2000, 288, 21-30.	2.6	3
130	WAVELET-BASED MULTISCALING IN SELF-AFFINE RANDOM MEDIA. Fractals, 2000, 08, 403-411.	3.7	17
131	Diamagnetic susceptibility and current distributions in granular superconductors at percolation. Physical Review B, 2000, 61, 11336-11339.	3.2	6
132	Viscous Stabilization of 2D Drainage Displacements with Trapping. Physical Review Letters, 2000, 84, 4589-4592.	7.8	15
133	Dynamics of stable viscous displacement in porous media. Physical Review E, 2000, 61, 2936-2946.	2.1	27
134	Geometry and dynamics of invasion percolation with correlated buoyancy. Physical Review E, 2000, 61, 3985-3995.	2.1	17
135	Pathways in Two-State Protein Folding. Biophysical Journal, 2000, 79, 2722-2727.	0.5	22
136	Normal stress distribution of rough surfaces in contact. Geophysical Research Letters, 2000, 27, 3639-3642.	4.0	26
137	A Model for the Thermodynamics of Proteins. , 2000, , 89-99.		0
138	Competition between correlated buoyancy and uncorrelated capillary effects during drainage. Physical Review E, 1999, 60, 7224-7234.	2.1	40
139	A model for the thermodynamics of globular proteins. Physica A: Statistical Mechanics and Its Applications, 1999, 270, 278-287.	2.6	6
140	A Two-Dimensional Network Simulator for Two-Phase Flow in Porous Media. Transport in Porous Media, 1998, 32, 163-186.	2.6	181
141	A hierarchical scheme for cooperativity and folding in proteins. Physica A: Statistical Mechanics and Its Applications, 1998, 250, 355-361.	2.6	19
142	Determination of the Hurst exponent by use of wavelet transforms. Physical Review E, 1998, 58, 2779-2787.	2.1	220
143	Band formation during gaseous diffusion in aerogels. Physical Review E, 1998, 57, 6767-6773.	2.1	5
144	Fracture in Three-Dimensional Fuse Networks. Physical Review Letters, 1998, 80, 325-328.	7.8	81

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145	Simulating temporal evolution of pressure in two-phase flow in porous media. Physical Review E, 1998, 58, 2217-2226.	2.1	64
146	Two-dimensional experimental simulation of polymers in annealed disordered media. Physical Review E, 1998, 57, 3656-3659.	2.1	3
147	Tunnelling percolation: Universality and application to the integer quantum Hall effect. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 77, 1301-1311.	0.6	2
148	Simultaneous Failures in Fiber Bundles. , 1998, , 1-10.		0
149	Motion of a ball dropped onto a one-dimensional self-affine surface. Journal of Physics A, 1997, 30, 4915-4924.	1.6	1
150	Magnetotransport in the 2D Lorentz model: linear and nonlinear effects of a weak electric field. Journal of Physics A, 1997, 30, 795-809.	1.6	2
151	Immiscible displacement of viscosity-matched fluids in two-dimensional porous media. Physical Review E, 1997, 55, 2969-2975.	2.1	61
152	Real-Space Renormalization Estimates for Two-Phase Flow in Porous Media. Transport in Porous Media, 1997, 29, 247-279.	2.6	16
153	There is more to be learned from the Lorentz model. Journal of Statistical Physics, 1997, 87, 1205-1228.	1.2	37
154	Band formation in deposition of fines in porous media. Transport in Porous Media, 1996, 25, 247-273.	2.6	8
155	Absence of self-averaging in global optimization problems. Physical Review E, 1996, 53, R5541-R5544.	2.1	5
156	Ticking hour glasses: Experimental analysis of intermittent flow. Physical Review E, 1996, 53, 2257-2264.	2.1	44
157	Current distribution in the three-dimensional random resistor network at the percolation threshold. Physical Review E, 1996, 53, 2292-2297.	2.1	59
158	Can a Local Repulsive Potential Trap an Electron?. Physical Review Letters, 1996, 77, 2149-2153.	7.8	23
159	Semiclassical quantum percolation in the quantum Hall system. Physical Review B, 1995, 51, 5566-5569.	3.2	4
160	Two-Dimensional Magnetotransport According to the Classical Lorentz Model. Physical Review Letters, 1995, 75, 197-200.	7.8	63
161	Study of tracer dispersion in selfâ€affine fractures using latticeâ€“gas automata. Physics of Fluids, 1995, 7, 1938-1948.	4.0	24
162	Modelling Fines Mobilization, Migration and Clogging. , 1995, , .		7

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163	MEASURING HURST EXPONENTS WITH THE FIRST RETURN METHOD. Fractals, 1994, 02, 527-533.	3.7	35
164	Roughness of Two-Dimensional Cracks in Wood. Physical Review Letters, 1994, 73, 834-837.	7.8	83
165	Conductance noise in electrodeposition. Physical Review E, 1994, 49, R43-R46.	2.1	1
166	Burst avalanches in bundles of fibers: Local versus global load-sharing. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 184, 394-396.	2.1	117
167	Percolation and tunneling in the quantum hall effect. , 1994, , 331-340.		2
168	Percolation in layered media ? A conductivity approach. Transport in Porous Media, 1993, 11, 45-52.	2.6	5
169	A fast algorithm for estimating large-scale permeabilities of correlated anisotropic media. Transport in Porous Media, 1993, 12, 55-72.	2.6	29
170	A model for Gouge Deformation: Implications for remanent magnetization. Geophysical Research Letters, 1993, 20, 1499-1502.	4.0	12
171	Comment on â€˜â€˜Analytic model for scaling of breakdownâ€™â€™. Physical Review Letters, 1993, 70, 100-100.	7.8	7
172	Space-filling bearings as a model for gouge: Application to magnetic remanence. Physical Review B, 1993, 47, 12266-12267.	3.2	2
173	MÃlo/yet al. reply. Physical Review Letters, 1993, 71, 205-205.	7.8	13
174	Non-directed polymers in a random medium. Journal De Physique, I, 1993, 3, 1569-1584.	1.2	6
175	The Distribution of Simultaneous Fiber Failures in Fiber Bundles. Journal of Applied Mechanics, Transactions ASME, 1992, 59, 909-914.	2.2	207
176	Experimental measurements of the roughness of brittle cracks. Physical Review Letters, 1992, 68, 213-215.	7.8	284
177	The three-dimensional Ising model in a temperature gradient. Physica A: Statistical Mechanics and Its Applications, 1992, 189, 611-615.	2.6	2
178	The Fourth Nordic Symposium on Computer Simulations in Natural Science. Physica Scripta, 1991, T38, 3-3.	2.5	0
179	Scaling of Overhang Distribution of Invasion Percolation Fronts. Physica Scripta, 1991, T38, 91-94.	2.5	6
180	Effective renormalization group algorithm for transport in oil reservoirs. Physica A: Statistical Mechanics and Its Applications, 1991, 177, 260-266.	2.6	25

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181	Minimal path on the hierarchical diamond lattice. Journal of Statistical Physics, 1991, 65, 183-204.	1.2	21
182	Power dissipation in random resistor networks with a broad distribution of conductivities. Physical Review B, 1991, 43, 10984-10989.	3.2	3
183	Multifractality of conductance jumps in percolation. Physical Review B, 1991, 43, 3601-3612.	3.2	11
184	Scale-invariant disorder in fracture and related breakdown phenomena. Physical Review B, 1991, 43, 665-678.	3.2	98
185	Comment on â€˜â€˜Negative moments of current distribution in random resistor networksâ€™â€™. Physical Review Letters, 1991, 67, 279-279.	7.8	3
186	Generalized Widom model of amphiphilic systems. Physical Review A, 1991, 44, 3686-3691.	2.5	10
187	Roughness of crack interfaces. Physical Review Letters, 1991, 66, 2476-2479.	7.8	164
188	Statistical Models of Breakdown and Fracture. Physica Scripta, 1990, T33, 20-31.	2.5	4
189	The conductor-superconductor transition in disordered superconducting materials. Physica C: Superconductivity and Its Applications, 1990, 167, 433-455.	1.2	16
190	Introduction to Multifractality. NATO ASI Series Series B: Physics, 1990, , 17-30.	0.2	4
191	Disorder. , 1990, , 115-158.		5
192	Universality class of central-force percolation. Physical Review B, 1989, 40, 749-752.	3.2	42
193	Critical behaviors of central-force lattices. Physica A: Statistical Mechanics and Its Applications, 1989, 157, 580-586.	2.6	4
194	A geometrical interpretation of the chaotic state of inhomogeneous deterministic cellular automata. Physica A: Statistical Mechanics and Its Applications, 1989, 160, 275-297.	2.6	4
195	Propagation of order in the dilute antiferromagnetic three-state Potts model. Journal of Statistical Physics, 1989, 55, 341-350.	1.2	5
196	Fracture of disordered, elastic lattices in two dimensions. Physical Review B, 1989, 39, 637-648.	3.2	315
197	Critical piezoelectricity in percolation. Journal De Physique, 1989, 50, 2201-2216.	1.8	18
198	Multifractality in elastic percolation. Journal of Statistical Physics, 1988, 53, 759-771.	1.2	18

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200	Resistivity exponent of two-dimensional lattice animals. Journal of Statistical Physics, 1988, 52, 447-451.	1.2	3
201	Fourier acceleration of iterative processes in disordered systems. Journal of Statistical Physics, 1988, 52, 747-773.	1.2	129
202	Percolation and spreading of damage in a simplified Kauffman model. Physica A: Statistical Mechanics and Its Applications, 1988, 153, 47-56.	2.6	2
203	Negative moments of the current spectrum in the random-resistor network. Physical Review A, 1988, 38, 3820-3823.	2.5	29
204	Comment on "Percolation in Isotropic Elastic Media". Physical Review Letters, 1988, 61, 2501-2501.	7.8	4
205	Surface exponent in percolation and central-force percolation: A test for splay rigidity. Physical Review B, 1988, 38, 5170-5173.	3.2	8
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209	Fourier Acceleration of Relaxation Processes in Disordered Systems. Physical Review Letters, 1986, 57, 1336-1339.	7.8	70
210	Nyquist noise in a fractal resistor network. Physical Review B, 1986, 33, 649-651.	3.2	6
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212	Fractional Statistics of the Vortex in Two-Dimensional Superfluids. Physical Review Letters, 1985, 54, 1339-1342.	7.8	36
213	Klein's Paradox and Its Resolution. Physica Scripta, 1981, 23, 1036-1042.	2.5	121