

Armin Bunde

List of Publications by Year in descending order

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199
papers

15,174
citations

36303

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19190

118
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201
all docs

201
docs citations

201
times ranked

8559
citing authors

#	ARTICLE	IF	CITATIONS
1	Network-based forecasting of climate phenomena. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
2	Complexity-based approach for El Niño magnitude forecasting before the spring predictability barrier. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 177-183.	7.1	37
3	Setting the tree-ring record straight. Climate Dynamics, 2020, 55, 3017-3024.	3.8	12
4	Detecting the statistical significance of the trends in the Antarctic sea ice extent: an indication for a turning point. Climate Dynamics, 2019, 53, 237-244.	3.8	26
5	Forecasting the magnitude and onset of El Niño based on climate network. New Journal of Physics, 2018, 20, 043036.	2.9	32
6	Scale-dependent diffusion anisotropy in nanoporous silicon. Scientific Reports, 2017, 7, 40207.	3.3	43
7	Increase of the Antarctic Sea Ice Extent is highly significant only in the Ross Sea. Scientific Reports, 2017, 7, 41096.	3.3	41
8	Superstatistical model of bacterial DNA architecture. Scientific Reports, 2017, 7, 43034.	3.3	24
9	Statistical significance of seasonal warming/cooling trends. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2998-E3003.	7.1	24
10	Long-Range Memory in Literary Texts: On the Universal Clustering of the Rare Words. PLoS ONE, 2016, 11, e0164658.	2.5	14
11	Statistical prediction of protein structural, localization and functional properties by the analysis of its fragment mass distributions after proteolytic cleavage. Scientific Reports, 2016, 6, 22286.	3.3	18
12	Diffusion in complementary pore spaces. Adsorption, 2016, 22, 879-890.	3.0	3
13	Testing reanalysis data sets in Antarctica: Trends, persistence properties, and trend significance. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,839.	3.3	41
14	Long-term persistence enhances uncertainty about anthropogenic warming of Antarctica. Climate Dynamics, 2016, 46, 263-271.	3.8	59
15	Mesopore-Promoted Transport in Microporous Materials. Chemie-Ingenieur-Technik, 2015, 87, 1794-1809.	0.8	28
16	Significance of trends in long-term correlated records. Physical Review E, 2015, 91, 032806.	2.1	26
17	Universal Internucleotide Statistics in Full Genomes: A Footprint of the DNA Structure and Packaging?. PLoS ONE, 2014, 9, e112534.	2.5	31
18	How significant is West Antarctic warming?. Nature Geoscience, 2014, 7, 246-247.	12.9	40

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19	Universal behavior of the interoccurrence times between losses in financial markets: Independence of the time resolution. <i>Physical Review E</i> , 2014, 90, 062809.	2.1	26
20	Structural and functional properties of spatially embedded scale-free networks. <i>Physical Review E</i> , 2014, 89, 062806.	2.1	22
21	Very early warning of next El Niño. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2064-2066.	7.1	158
22	Improved El Niño forecasting by cooperativity detection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11742-11745.	7.1	136
23	Complex networks embedded in space: Dimension and scaling relations between mass, topological distance, and Euclidean distance. <i>Physical Review E</i> , 2013, 87, .	2.1	30
24	Is there memory in precipitation?. <i>Nature Climate Change</i> , 2013, 3, 174-175.	18.8	70
25	Percolation transition in the gas-induced conductance of nanograin metal oxide films with defects. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	10
26	Diffusion, annihilation, and chemical reactions in complex networks with spatial constraints. <i>Physical Review E</i> , 2012, 86, 046103.	2.1	14
27	Complexity and Extreme Events in Geosciences: An Overview. <i>Geophysical Monograph Series</i> , 2012, , 1-16.	0.1	9
28	Precipitation and River Flow: Long-Term Memory and Predictability of Extreme Events. <i>Geophysical Monograph Series</i> , 2012, , 139-152.	0.1	14
29	Long-term correlations in earth sciences. <i>Acta Geophysica</i> , 2012, 60, 562-588.	2.0	16
30	Fractals and Percolation. , 2012, , 559-570.		0
31	Fractal Geometry, A Brief Introduction to. , 2012, , 409-428.		3
32	Ion conducting particle networks in liquids: modeling of network percolation and stability. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2663-2666.	2.8	17
33	Clustering of ventricular arrhythmic complexes in heart rhythm. <i>Physical Review E</i> , 2011, 83, 021918.	2.1	9
34	Distribution of natural trends in long-term correlated records: A scaling approach. <i>Physical Review E</i> , 2011, 84, 021129.	2.1	47
35	Percolation of spatially constraint networks. <i>Europhysics Letters</i> , 2011, 93, 68004.	2.0	41
36	Dimension of spatially embedded networks. <i>Nature Physics</i> , 2011, 7, 481-484.	16.7	205

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37	Electrochemical Investigations of Polyethylene Glycolâ€Based â€Soggy Sandâ€Electrolytes â€ From the Local Mechanism to the Overall Conduction. <i>Advanced Functional Materials</i> , 2011, 21, 3961-3966.	14.9	38
38	On the predictability of extreme events in records with linear and nonlinear long-range memory: Efficiency and noise robustness. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2240-2250.	2.6	31
39	On spurious and corrupted multifractality: The effects of additive noise, short-term memory and periodic trends. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2480-2490.	2.6	78
40	Relaxation in ordered systems of ultrafine magnetic particles: effect of the exchange interaction. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 126001.	1.8	2
41	The Statistics of Return Intervals, Maxima, and Centennial Events Under the Influence of Long-Term Correlations. , 2011, , 2-43.		6
42	Detrended Fluctuation Studies of Long-Term Persistence and Multifractality of Precipitation and River Runoff Records. , 2011, , 216-248.		6
43	Seasonality Effects on Nonlinear Properties of Hydrometeorological Records. , 2011, , 266-284.		9
44	Nonlinear Memory and Risk Estimation in Financial Records. , 2010, , 27-48.		2
45	Statistics of return intervals between long heartbeat intervals and their usability for online prediction of disorders. <i>New Journal of Physics</i> , 2009, 11, 063036.	2.9	34
46	Long term memory in extreme returns of financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4145-4150.	2.6	32
47	On the detection of trends in long-term correlated records. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1687-1695.	2.6	40
48	Improved risk estimation in multifractal records: Application to the value at risk in finance. <i>Physical Review E</i> , 2009, 80, 026131.	2.1	48
49	Eliminating finite-size effects and detecting the amount of white noise in short records with long-term memory. <i>Physical Review E</i> , 2009, 79, 066101.	2.1	46
50	On the Occurrence of Extreme Events in Long-term Correlated and Multifractal Data Sets. <i>Pure and Applied Geophysics</i> , 2008, 165, 1195-1207.	1.9	26
51	Longâ€term memory in 1000â€year simulated temperature records. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	87
52	Missing data in aftershock sequences: Explaining the deviations from scaling laws. <i>Physical Review E</i> , 2008, 78, 041115.	2.1	18
53	Memory effects in the statistics of interoccurrence times between large returns in financial records. <i>Physical Review E</i> , 2008, 78, 036114.	2.1	47
54	On the Occurrence of Extreme Events in Long-term Correlated and Multifractal Data Sets. , 2008, , 1195-1207.		3

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55	Ising-like dynamics and frozen states in systems of ultrafine magnetic particles. Physical Review B, 2007, 75, .	3.2	16
56	Improving immunization strategies. Physical Review E, 2007, 75, 045104.	2.1	113
57	Effect of Nonlinear Correlations on the Statistics of Return Intervals in Multifractal Data Sets. Physical Review Letters, 2007, 99, 240601.	7.8	136
58	Statistics of return intervals in long-term correlated records. Physical Review E, 2007, 75, 011128.	2.1	121
59	On the spreading and localization of risky information in social networks. Physica A: Statistical Mechanics and Its Applications, 2007, 386, 439-445.	2.6	6
60	Long-term analysis of air temperature trends in Central Asia. Erdkunde, 2007, 61, 186-202.	0.8	50
61	Statistics of Return Intervals and Extreme Events in Long-term Correlated Time Series. , 2007, , 339-367.		1
62	Deceleration capacity of heart rate as a predictor of mortality after myocardial infarction: cohort study. Lancet, The, 2006, 367, 1674-1681.	13.7	502
63	Long-term persistence in climate and the detection problem. Geophysical Research Letters, 2006, 33, .	4.0	119
64	Long-term persistence and multifractality of precipitation and river runoff records. Journal of Geophysical Research, 2006, 111, .	3.3	311
65	Long-term persistence and multifractality of river runoff records: Detrended fluctuation studies. Journal of Hydrology, 2006, 322, 120-137.	5.4	265
66	Phase-rectified signal averaging detects quasi-periodicities in non-stationary data. Physica A: Statistical Mechanics and Its Applications, 2006, 364, 423-434.	2.6	187
67	Extreme value statistics in records with long-term persistence. Physical Review E, 2006, 73, 016130.	2.1	84
68	Monte Carlo simulations of frozen metastable states in ordered systems of ultrafine magnetic particles. Physical Review B, 2006, 74, .	3.2	11
69	Scaling and Memory in Return Loss Intervals: Application to Risk Estimation. , 2006, , 43-51.		5
70	Scaling and memory in volatility return intervals in financial markets. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9424-9428.	7.1	229
71	Memory in the Occurrence of Earthquakes. Physical Review Letters, 2005, 95, 208501.	7.8	130
72	Stability and Topology of Scale-Free Networks under Attack and Defense Strategies. Physical Review Letters, 2005, 94, 188701.	7.8	248

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73	Long-Term Memory: A Natural Mechanism for the Clustering of Extreme Events and Anomalous Residual Times in Climate Records. <i>Physical Review Letters</i> , 2005, 94, 048701.	7.8	301
74	AC and DC Conductivity in Nano- and Microcrystalline Li ₂ O·xB ₂ O ₃ Composites: Experimental Results and Theoretical Models. <i>Zeitschrift Fur Physikalische Chemie</i> , 2005, 219, 89-103.	2.8	37
75	Ionic Transport in Disordered Materials. , 2005, , 813-856.		19
76	Diffusion and Conduction in Percolation Systems. , 2005, , 895-914.		22
77	Diffusion-driven spreading phenomena: The structure of the hull of the visited territory. <i>Physical Review E</i> , 2004, 69, 031101.	2.1	6
78	Percolation and gas sensitivity in nanocrystalline metal oxide films. <i>Applied Physics Letters</i> , 2004, 85, 242-244.	3.3	28
79	Return intervals of rare events in records with long-term persistence. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 342, 308-314.	2.6	70
80	Li ion transport and interface percolation in nano- and microcrystalline composites. <i>Physical Chemistry Chemical Physics</i> , 2004, 006, 3680-3683.	2.8	25
81	A new interpretation of the dynamic structure model of ion transport in molten and solid glasses. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3663-3668.	2.8	64
82	Comparison of detrended fluctuation analysis and spectral analysis for heart rate variability in sleep and sleep apnea. <i>IEEE Transactions on Biomedical Engineering</i> , 2003, 50, 1143-1151.	4.2	400
83	The effect of long-term correlations on the return periods of rare events. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 330, 1-7.	2.6	99
84	Multifractality of river runoff and precipitation: comparison of fluctuation analysis and wavelet methods. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 330, 240-245.	2.6	201
85	Breathing during REM and non-REM sleep: correlated versus uncorrelated behaviour. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 319, 447-457.	2.6	58
86	Volatility in atmospheric temperature variability. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 318, 529-536.	2.6	26
87	Phase synchronization in temperature and precipitation records. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 320, 601-610.	2.6	45
88	Long-term persistence in the sea surface temperature fluctuations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 320, 581-589.	2.6	129
89	Slow relaxation in ferromagnetic nanoparticles: Indication of spin-glass behavior. <i>Physical Review B</i> , 2003, 67, .	3.2	175
90	SCALING IN THE ATMOSPHERE: ON GLOBAL LAWS OF PERSISTENCE AND TESTS OF CLIMATE MODELS. <i>Fractals</i> , 2003, 11, 205-216.	3.7	6

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91	Nonlinear volatility of river flux fluctuations. <i>Physical Review E</i> , 2003, 67, 042101.	2.1	50
92	Sublocalization, superlocalization, and violation of standard single-parameter scaling in the Anderson model. <i>Physical Review B</i> , 2002, 66, .	3.2	21
93	Global Climate Models Violate Scaling of the Observed Atmospheric Variability. <i>Physical Review Letters</i> , 2002, 89, 028501.	7.8	112
94	Characterization of sleep stages by correlations in the magnitude and sign of heartbeat increments. <i>Physical Review E</i> , 2002, 65, 051908.	2.1	161
95	The Science of Disasters. , 2002, , .		89
96	Power-law persistence in the atmosphere and in the oceans. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 314, 15-24.	2.6	50
97	Multifractal detrended fluctuation analysis of nonstationary time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 316, 87-114.	2.6	2,846
98	Atmospheric Persistence Analysis: Novel Approaches and Applications. , 2002, , 170-191.		6
99	SCALING IN THE ATMOSPHERE: ON GLOBAL LAWS OF PERSISTENCE AND TESTS OF CLIMATE MODELS. , 2002, , .		1
100	Long-range correlations and trends in global climate models: Comparison with real data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 294, 239-248.	2.6	41
101	Detecting long-range correlations with detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 295, 441-454.	2.6	1,164
102	Long term persistence in the atmosphere: global laws and tests of climate models. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 302, 255-267.	2.6	48
103	Percolation model of a nanocrystalline gas sensitive layer. <i>Thin Solid Films</i> , 2001, 391, 299-302.	1.8	16
104	Scaling analysis of trends using DFA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 302, 234-243.	2.6	22
105	Excess modes in the vibrational spectrum of disordered systems and the boson peak. <i>Physical Review B</i> , 2001, 63, .	3.2	61
106	Localization in self-affine energy landscapes. <i>Physical Review B</i> , 2001, 64, .	3.2	34
107	Statistische Physik: Langzeitkorrelationen in der Natur: Von Klima, Erbgut und Herzrhythmus: Die Fluktuationsanalyse erlaubt es, Klimamodelle zu testen oder Schlafphasen zu untersuchen. <i>Physik Journal</i> , 2001, 57, 49-54.	0.1	14
108	Comment on "Delocalization in the 1D Anderson Model with Long-Range Correlated Disorder". <i>Physical Review Letters</i> , 2000, 84, 198-198.	7.8	43

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109	Multifractal behavior of linear polymers in disordered media. <i>Physical Review E</i> , 2000, 61, 6858-6865.	2.1	36
110	Hopping transport in the presence of site-energy disorder: Temperature and concentration scaling of conductivity spectra. <i>Physical Review B</i> , 2000, 61, 6057-6062.	3.2	37
111	Nanocrystalline versus Microcrystalline $\text{Li}_2\text{O}:\text{B}_2\text{O}_3$ Composites: Anomalous Ionic Conductivities and Percolation Theory. <i>Physical Review Letters</i> , 2000, 84, 2889-2892.	7.8	123
112	Influence of Dipolar Interaction on Magnetic Properties of Ultrafine Ferromagnetic Particles. <i>Physical Review Letters</i> , 2000, 84, 167-170.	7.8	283
113	Correlated and Uncorrelated Regions in Heart-Rate Fluctuations during Sleep. <i>Physical Review Letters</i> , 2000, 85, 3736-3739.	7.8	495
114	Optimal paths in disordered media: Scaling of the crossover from self-similar to self-affine behavior. <i>Physical Review E</i> , 1999, 60, R2448-R2451.	2.1	44
115	Structural properties of invasion percolation with and without trapping: Shortest path and distributions. <i>Physical Review E</i> , 1999, 59, 3262-3269.	2.1	25
116	Random walks on percolation with a topological bias: Decay of the probability density. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 62-66.	2.6	7
117	Level statistics for vibrational eigenstates of percolation clusters. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 76-80.	2.6	3
118	Cluster growth at the percolation threshold with a finite lifetime of growth sites. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 92-95.	2.6	2
119	Optimal path in weak and strong disorder. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 317-321.	2.6	6
120	Are the phases in the Anderson model long-range correlated?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 461-464.	2.6	38
121	Anderson localization in a random correlated energy landscape. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 492-496.	2.6	10
122	Distribution of dangling ends on the incipient percolation cluster. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 96-99.	2.6	4
123	Ionic glasses: History and challenges. <i>Solid State Ionics</i> , 1998, 105, 1-13.	2.7	98
124	Stretched-exponential relaxation: The role of system size. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1998, 77, 1323-1329.	0.6	9
125	Structure of self-avoiding walks on percolation clusters at criticality. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1998, 77, 1357-1371.	0.6	6
126	Probability distribution of the shortest path on the percolation cluster, its backbone, and skeleton. <i>Physical Review E</i> , 1998, 58, R5205-R5208.	2.1	23

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127	Indication of a Universal Persistence Law Governing Atmospheric Variability. Physical Review Letters, 1998, 81, 729-732.	7.8	599
128	Extended Fractons and Localized Phonons on Percolation Clusters. Physical Review Letters, 1998, 81, 4907-4910.	7.8	29
129	Bunde et al. Reply. Physical Review Letters, 1998, 80, 5454-5454.	7.8	2
130	A unified model for ion conduction in crystals of $\hat{\Gamma}^2$ - and $\hat{\Gamma}^3$ -alumina structure. Journal of Chemical Physics, 1998, 109, 2316-2324.	3.0	8
131	Long-range power-law correlations in local daily temperature fluctuations. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 77, 1331-1340.	0.6	56
132	Wave functions in the Anderson model and in the quantum percolation model: a comparison. Annalen Der Physik, 1998, 510, 400-405.	2.4	0
133	Localization behavior of vibrational modes. Annalen Der Physik, 1998, 510, 372-382.	2.4	0
134	Electrons and fractons on percolation structures at criticality: Sublocalization and superlocalization. Physical Review E, 1997, 56, 6693-6701.	2.1	21
135	Optimal Path in Strong Disorder and Shortest Path in Invasion Percolation with Trapping. Physical Review Letters, 1997, 79, 4060-4062.	7.8	75
136	Anomalous Size Dependence of Relaxational Processes. Physical Review Letters, 1997, 78, 3338-3341.	7.8	49
137	Structural and dynamical properties of the percolation backbone in two and three dimensions. Physical Review E, 1997, 56, 1667-1675.	2.1	71
138	Ion hopping processes and structural relaxation in glassy materials. Journal of Non-Crystalline Solids, 1996, 203, 246-251.	3.1	24
139	A unified site relaxation model for ion mobility in glassy materials. Solid State Ionics, 1996, 86-88, 1311-1317.	2.7	59
140	Analysis of daily temperature fluctuations. Physica A: Statistical Mechanics and Its Applications, 1996, 231, 393-396.	2.6	118
141	Gesetzmäßigkeiten der Unordnung. Physik in Unserer Zeit, 1996, 27, 246-256.	0.0	2
142	Microscopic Explanation of the Non-Arrhenius Conductivity in Glassy Fast Ionic Conductors. Physical Review Letters, 1996, 77, 1528-1531.	7.8	82
143	Multifractal features of random walks and localized vibrational excitations on random fractals: Dependence on the averaging procedure. Physical Review E, 1996, 54, 4596-4602.	2.1	12
144	Clustering of independently diffusing individuals by birth and death processes. Physical Review E, 1996, 54, 5567-5570.	2.1	35

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145	Mixed Alkali Effect in Crystals of α - and β -Alumina Structure. Physical Review Letters, 1996, 76, 2338-2341.	7.8	38
146	Critical dimensions for random walks on random-walk chains. Physical Review E, 1996, 54, 3606-3608.	2.1	4
147	Branched polymers in the presence of impurities. Physical Review E, 1996, 54, 1742-1748.	2.1	6
148	Percolation I. , 1996, , 59-114.		14
149	Percolation II. , 1996, , 115-176.		3
150	Random Walks on Fractals. , 1996, , 121-146.		1
151	Localization of random walks and vibrational excitations in random fractal structures. Chaos, Solitons and Fractals, 1995, 6, 33-41.	5.1	1
152	Application of percolation theory in composites and glasses. Solid State Ionics, 1995, 75, 147-155.	2.7	40
153	Distributions of polymers in disordered structures. Physical Review E, 1995, 52, 6303-6307.	2.1	6
154	Localization in disordered structures: Breakdown of the self-averaging hypothesis. Physical Review E, 1995, 52, 53-56.	2.1	25
155	Are Branched Polymers in the Universality Class of Percolation?. Physical Review Letters, 1995, 74, 2714-2716.	7.8	31
156	Nonstandard relaxation behavior in ionically conducting materials. Physical Review B, 1995, 51, 8164-8177.	3.2	112
157	Localization of electrons, fractons and random walks in random fractals: Novel scaling with the number of configurations. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1995, 71, 721-729.	0.6	8
158	On the localization of random walks and vibrational excitations in linear fractal structures. Physica A: Statistical Mechanics and Its Applications, 1994, 202, 371-378.	2.6	11
159	The dynamic structure model for ion transport in glasses. Journal of Non-Crystalline Solids, 1994, 172-174, 1222-1236.	3.1	288
160	Conductivity and spin lattice relaxation in disordered ionic conductors. Journal of Non-Crystalline Solids, 1994, 172-174, 1292-1299.	3.1	13
161	Transport anomalies in glasses. Physica A: Statistical Mechanics and Its Applications, 1993, 200, 80-94.	2.6	17
162	Range of multifractality for random walks on random fractals. Physical Review E, 1993, 47, 2333-2335.	2.1	9

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163	Spin-lattice relaxation: Non-Bloembergen-Purcell-Pound behavior by structural disorder and Coulomb interactions. <i>Physical Review Letters</i> , 1993, 71, 573-576.	7.8	88
164	Vibrational excitations in percolation: Localization and multifractality. <i>Physical Review Letters</i> , 1992, 69, 3189-3192.	7.8	47
165	Ion transport anomalies in glasses. <i>Physical Review Letters</i> , 1992, 68, 3064-3067.	7.8	293
166	Anomalous ion transport in glasses. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992, 191, 415-425.	2.6	12
167	Vibrations and random walks on random fractals: Anomalous behaviour and multifractality. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1992, 65, 191-211.	0.6	10
168	Diffusion in disordered systems: non-Debye relaxation due to long-range interactions. <i>Journal of Non-Crystalline Solids</i> , 1991, 131-133, 1022-1027.	3.1	22
169	Frequency-Dependent Conductivity. <i>Ionic Conductivity and Memory Effects in Glassy Electrolytes. Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1991, 95, 1002-1006.	0.9	10
170	Diffusion Limited Percolation: A Model for Transport in Ionic Glasses. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1991, 95, 977-983.	0.9	24
171	Localization and typical spatial behavior of fractons. <i>Physical Review Letters</i> , 1991, 66, 1643-1643.	7.8	19
172	Percolation I. , 1991, , 51-96.		31
173	Percolation II. , 1991, , 97-150.		23
174	Diffusion in disordered systems: Effect of short and long range interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 168, 536-545.	2.6	1
175	Multifractal features of random walks on random fractals. <i>Physical Review A</i> , 1990, 42, 6274-6277.	2.5	78
176	Probability densities of random walks in random systems. <i>Physica D: Nonlinear Phenomena</i> , 1989, 38, 184-191.	2.8	33
177	Loopless percolation clusters. <i>Physical Review A</i> , 1989, 39, 5470-5473.	2.5	13
178	On scaling relations in cluster growth processes. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1989, 59, 85-96.	0.6	3
179	Anomalous transport in disordered media. <i>Solid State Ionics</i> , 1988, 28-30, 34-40.	2.7	15
180	Diffusion-limited aggregation in which cluster sites have a distribution of reaction times. <i>Physical Review A</i> , 1988, 38, 2099-2102.	2.5	6

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181	Diffusion in the presence of random fields and transition rates: Effect of the hard-core interaction. Physical Review A, 1988, 37, 1821-1823.	2.5	20
182	Fractal measures of diffusion in the presence of random fields. Physical Review A, 1988, 38, 2185-2188.	2.5	10
183	A Generalized Diffusion-Limited Aggregation Where Aggregate Sites Have a Finite Radical Time. Journal of the Physical Society of Japan, 1988, 57, 3376-3380.	1.6	9
184	Anomalous Transport in Disordered Structures: Effect of Additional Disorder. , 1988, , 27-32.		0
185	Anomalous Transport in Random Linear Structures. , 1988, , 37-41.		0
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