Allen G Hunt

List of Publications by Year
in descending order

174 papers	4,552 citations	117625 34 h-index	133252 59 g-index
187 all docs	187 docs citations	187 times ranked	2841 citing authors

#	Article	IF	Citations
1	Tortuosity in Porous Media: A Critical Review. Soil Science Society of America Journal, 2013, 77, 1461-1477.	2.2	569
2	Applications of percolation theory to porous media with distributed local conductances. Advances in Water Resources, 2001, 24, 279-307.	3.8	197
3	Percolation Theory for Flow in Porous Media. Lecture Notes in Physics, 2014, , .	0.7	150
4	Flow, Transport, and Reaction in Porous Media: Percolation Scaling, Criticalâ€Path Analysis, and Effective Medium Approximation. Reviews of Geophysics, 2017, 55, 993-1078.	23.0	130
5	Application of critical path analysis to fractal porous media: comparison with examples from the Hanford site. Advances in Water Resources, 2002, 25, 129-146.	3.8	123
6	Non-Debye relaxation and the glass transition. Journal of Non-Crystalline Solids, 1993, 160, 183-227.	3.1	110
7	Dependence of the Electrical Conductivity on Saturation in Real Porous Media. Vadose Zone Journal, 2006, 5, 731-741.	2.2	102
8	Percolation Theory Generates a Physically Based Description of Tortuosity in Saturated and Unsaturated Porous Media. Soil Science Society of America Journal, 2013, 77, 1920-1929.	2.2	87
9	Unsaturated hydraulic conductivity in porous media: Percolation theory. Geoderma, 2012, 187-188, 77-84.	5.1	84
10	Percolative transport in fractal porous media. Chaos, Solitons and Fractals, 2004, 19, 309-325.	5.1	79
11	Ac hopping conduction: Perspective from percolation theory. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2001, 81, 875-913.	0.6	72
12	What's Wrong with Soil Physics?. Soil Science Society of America Journal, 2013, 77, 1877-1887.	2.2	69
13	Universal scaling of the formation factor in porous media derived by combining percolation and effective medium theories. Geophysical Research Letters, 2014, 41, 3884-3890.	4.0	68
14	Dispersion of solutes in porous media. European Physical Journal B, 2011, 80, 411-432.	1.5	66
15	Continuum percolation theory and Archie's law. Geophysical Research Letters, 2004, 31, .	4.0	65
16	Continuum percolation theory for water retention and hydraulic conductivity of fractal soils: estimation of the critical volume fraction for percolation. Advances in Water Resources, 2004, 27, 175-183.	3.8	57
17	Waterâ€Retention of Fractal Soil Models Using Continuum Percolation Theory: Tests of Hanford Site Soils. Vadose Zone Journal, 2002, 1, 252-260.	2.2	55
18	ON THE VANISHING OF SOLUTE DIFFUSION IN POROUS MEDIA AT A THRESHOLD MOISTURE CONTENT. Soil Science Society of America Journal, 2003, 67, 1701-1702.	2.2	53

#	Article	IF	Citations
19	Fluid flow in porous media with rough poreâ€solid interface. Water Resources Research, 2016, 52, 2045-2058.	4.2	53
20	Upscaling in Subsurface Transport Using Cluster Statistics of Percolation. Transport in Porous Media, 1998, 30, 177-198.	2.6	51
21	Unsaturated hydraulic conductivity modeling for porous media with two fractal regimes. Geoderma, 2013, 207-208, 268-278.	5.1	51
22	On the relation between ENSO and global climate change. Meteorology and Atmospheric Physics, 2003, 84, 229-242.	2.0	47
23	Saturation dependence of dispersion in porous media. Physical Review E, 2012, 86, 066316.	2.1	47
24	SATURATION DEPENDENCE OF TRANSPORT IN POROUS MEDIA PREDICTED BY PERCOLATION AND EFFECTIVE MEDIUM THEORIES. Fractals, 2015, 23, 1540004.	3.7	47
25	Longitudinal dispersion of solutes in porous media solely by advection. Philosophical Magazine, 2008, 88, 2921-2944.	1.6	45
26	Percolation theory for solute transport in porous media: Geochemistry, geomorphology, and carbon cycling. Water Resources Research, 2016, 52, 7444-7459.	4.2	44
27	Transport in ionic conducting glasses. Journal of Physics Condensed Matter, 1991, 3, 7831-7842.	1.8	43
28	Unfolding the relation between global temperature and ENSO. Geophysical Research Letters, 2005, 32, .	4.0	42
29	Continuum percolation theory for pressureâ€"saturation characteristics of fractal soils: extension to non-equilibrium. Advances in Water Resources, 2004, 27, 245-257.	3.8	39
30	Universal scaling of gas diffusion in porous media. Water Resources Research, 2014, 50, 2242-2256.	4.2	39
31	The a.c. conductivity of variable range hopping systems such as amorphous semiconductors. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1991, 64, 579-589.	0.6	37
32	Prediction of Soil Formation as a Function of Age Using the Percolation Theory Approach. Frontiers in Environmental Science, 2018, 6, .	3.3	35
33	Continuum percolation theory for transport properties in porous media. Philosophical Magazine, 2005, 85, 3409-3434.	1.6	34
34	Gas and solute diffusion in partially saturated porous media: Percolation theory and Effective Medium Approximation compared with lattice Boltzmann simulations. Journal of Geophysical Research: Solid Earth, 2015, 120, 182-190.	3.4	34
35	Comparison of the predictions of universal scaling of the saturation dependence of the air permeability with experiment. Water Resources Research, 2012, 48, .	4.2	33
36	Upscaling soil saturated hydraulic conductivity from pore throat characteristics. Advances in Water Resources, 2017, 104, 105-113.	3.8	32

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37	Scaling of geochemical reaction rates via advective solute transport. Chaos, 2015, 25, 075403.	2.5	31
38	Some comments on the scale dependence of the hydraulic conductivity in the presence of nested heterogeneity. Advances in Water Resources, 2003, 26, 71-77.	3.8	30
39	Scale-dependent hydraulic conductivity in anisotropic media from dimensional cross-over. Hydrogeology Journal, 2006, 14, 499-507.	2.1	30
40	Statistical and percolation effects on ionic conduction in amorphous systems. Journal of Non-Crystalline Solids, 1994, 175, 59-70.	3.1	29
41	DamkÃ¶hler Number Input to Transport-Limited Chemical Weathering Calculations. ACS Earth and Space Chemistry, 2017, 1, 30-38.	2.7	29
42	Improving unsaturated hydraulic conductivity estimation in soils via percolation theory. Geoderma, 2017, 303, 9-18.	5.1	29
43	The low frequency conductivity of the Fermi glass. Journal of Physics Condensed Matter, 1992, 4, 6957-6970.	1.8	28
44	Assessment of the application of percolation theory to a water repellent soil. Soil Research, 2005, 43, 357.	1.1	28
45	Spatiotemporal Scaling of Vegetation Growth and Soil Formation: Explicit Predictions. Vadose Zone Journal, 2017, 16, 1-12.	2.2	28
46	Predicting soil formation on the basis of transport-limited chemical weathering. Geomorphology, 2018, 301, 21-27.	2.6	28
47	Evolution of soil pores and their characteristics in a siliceous and calcareous proglacial area. Catena, 2019, 182, 104154.	5.0	28
48	Some universalities in the relaxation of glasses. Journal of Non-Crystalline Solids, 1992, 144, 21-31.	3.1	27
49	A Simple Model of the Variability of Soil Depths. Water (Switzerland), 2017, 9, 460.	2.7	27
50	Mixed-alkali effect: some new results. Journal of Non-Crystalline Solids, 1999, 255, 47-55.	3.1	26
51	Ac hopping conduction: perspective from percolation theory. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2001, 81, 875-913.	0.6	26
52	Incorporation of Effects of Diffusion intoÂAdvection-Mediated Dispersion in Porous Media. Journal of Statistical Physics, 2010, 140, 544-564.	1.2	25
53	Dielectric and mechanical relaxation in liquids and glasses; transition from effective medium to percolation treatments. Solid State Communications, 1992, 84, 701-704.	1.9	24
54	Climatic influences on Holocene variations in soil erosion rates on a small hill in the Mojave Desert. Geomorphology, 2004, 58, 263-289.	2.6	24

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55	Comments on â€œMore general capillary pressure and relative permeability models from fractal geometryâ€•by Kewen Li. Journal of Contaminant Hydrology, 2012, 140-141, 21-23.	3.3	24
56	The ac conductivity of the Fermi glass: A model for glassy conduction. Solid State Communications, 1991, 80, 151-155.	1.9	23
57	Basic transport properties in natural porous media: Continuum percolation theory and fractal model. Complexity, 2005, 10, 22-37.	1.6	23
58	An examination of the steadyâ€state assumption in soil development models with application to landscape evolution. Earth Surface Processes and Landforms, 2017, 42, 2599-2610.	2.5	23
59	Continuum Percolation Theory for Saturation Dependence of Air Permeability. Vadose Zone Journal, 2005, 4, 134-138.	2.2	23
60	A general treatment of 1-dimensional hopping conduction. Solid State Communications, 1993, 86, 765-768.	1.9	22
61	Percolation-based effective conductivity calculations for bimodal distributions of local conductances. Philosophical Magazine, 2009, 89, 1989-2007.	1.6	22
62	Estimation of Soil-Water Retention From Particle-Size Distribution. Soil Science, 2012, 177, 321-326.	0.9	22
63	Finite-size effects on the glass transition temperature. Solid State Communications, 1994, 90, 527-532.	1.9	21
64	The mixed-alkali effect discussed within the context of percolative transport. Journal of Non-Crystalline Solids, 1997, 220, 1-16.	3.1	21
65	Water-Retention of Fractal Soil Models Using Continuum Percolation Theory: Tests of Hanford Site Soils. Vadose Zone Journal, 2002, 1, 252-260.	2.2	21
66	Distribution of hydraulic conductivity in single scale anisotropy. Philosophical Magazine, 2006, 86, 2407-2428.	1.6	21
67	Predicting dispersion in porous media. Complexity, 2010, 16, 43-55.	1.6	21
68	Spatioâ€temporal Scaling of Vegetation Growth and Soil Formation from Percolation Theory. Vadose Zone Journal, 2016, 15, 1-15.	2.2	21
69	Wetâ€End Deviations from Scaling of the Water Retention Characteristics of Fractal Porous Media. Vadose Zone Journal, 2003, 2, 759-765.	2.2	21
70	A percolation treatment of the ac hopping conductivity at low frequencies and dimensionalities. Journal of Non-Crystalline Solids, 1991, 134, 287-292.	3.1	20
71	Theoretical Insight Into the Empirical Tortuosityâ€Connectivity Factor in the <i>Burdineâ€Brooksâ€Corey</i> Water Relative Permeability Model. Water Resources Research, 2017, 53, 10395-10410.	4.2	20
72	Comparing van Genuchten and Percolation Theoretical Formulations of the Hydraulic Properties of Unsaturated Media. Vadose Zone Journal, 2004, 3, 1483-1488.	2.2	19

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73	Hydraulic Conductivity Limited Equilibration: Effect on Water Retention Characteristics. Vadose Zone Journal, 2005, 4, 145-150.	2.2	19
74	Frequency-dependent conductivity in glasses. Journal of Physics Condensed Matter, 1990, 2, 9055-9063.	1.8	18
75	Comparison and Contrast in Soil Depth Evolution for Steady State and Stochastic Erosion Processes: Possible Implications for Landslide Prediction. Geochemistry, Geophysics, Geosystems, 2019, 20, 2886-2906.	2.5	18
76	Approximate thermodynamical treatment of the Coulomb gap. Philosophical Magazine Letters, 1990, 62, 371-376.	1.2	16
77	The calorimetric glass transition. A simple model. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1991, 64, 563-577.	0.6	16
78	New developments in the theory of the hopping conductivity of spatially random systems. Journal of Physics Condensed Matter, 1994, 6, 1239-1252.	1.8	16
79	Approximate power-law conductivity in the multiple-hopping regime. Journal of Non-Crystalline Solids, 1995, 183, 109-121.	3.1	16
80	Percolation Cluster Statistics and Conductivity Semi-Variograms. Transport in Porous Media, 2000, 39, 131-141.	2.6	16
81	Exponential growth in <scp>E</scp>bola outbreak since May 14, 2014. Complexity, 2014, 20, 8-11.	1.6	16
82	A purely kinetic justification for application of Ehrenfest theorems to the glass transition. Solid State Communications, 1992, 84, 263-266.	1.9	15
83	Universal scaling of the dielectric relaxation in dipole liquids and glasses. Journal of Physics Condensed Matter, 1994, 6, 8087-8102.	1.8	15
84	An explanation for the Kauzmann â€˜paradoxâ€™ and its relation to relaxation times. Journal of Non-Crystalline Solids, 1994, 175, 129-136.	3.1	15
85	Saturation Dependence of Solute Diffusion in Porous Media: Universal Scaling Compared with Experiments. Vadose Zone Journal, 2014, 13, 1-6.	2.2	15
86	Transport in ionic conducting glasses. II. Scaling relations and approximate power law behaviour. Journal of Physics Condensed Matter, 1992, 4, 5371-5381.	1.8	14
87	The thermodynamic influence of subgrid orography in a global climate model. Climate Dynamics, 2002, 20, 31-44.	3.8	14
88	An explicit derivation of an exponential dependence of the hydraulic conductivity on relative saturation. Advances in Water Resources, 2004, 27, 197-201.	3.8	14
89	An explanation for the observed correlation between the decoupling index and the K-W-W stretching parameter. Journal of Non-Crystalline Solids, 1994, 168, 258-264.	3.1	13
90	Percolation Treatment of Charge Transfer in Humidified Smectite Clays. Soil Science Society of America Journal, 2006, 70, 14-23.	2.2	13

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91	One-dimensional hopping conductivity calculations. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1991, 64, 327-334.	0.6	12
92	A simple connection between the melting temperature and the glass temperature in a kinetic theory of the glass transition. Journal of Physics Condensed Matter, 1992, 4, L429-L431.	1.8	12
93	Tests of predicted downstream transport of clasts in turbulent flow. Advances in Water Resources, 2003, 26, 1205-1211.	3.8	12
94	Percolation theory and the future of hydrogeology. Hydrogeology Journal, 2005, 13, 202-205.	2.1	12
95	Pre-seismic electromagnetic phenomena in the framework of percolation and fractal theories. Tectonophysics, 2007, 431, 23-32.	2.2	12
96	A Numerical Procedure to Calculate Hydraulic Conductivity for an Arbitrary Pore Size Distribution. Vadose Zone Journal, 2008, 7, 461-472.	2.2	12
97	Effects of Bubbles on the Hydraulic Conductivity of Porous Materials â€“ Theoretical Results. Transport in Porous Media, 2003, 52, 51-65.	2.6	11
98	Relevance of percolation theory to powerâ€law behavior of dynamic processes including transport in disordered media. Complexity, 2009, 15, 13-27.	1.6	11
99	An explanation for the correlation between the glass transition temperature and the extrapolated divergence of the viscosity in Vogel-Fulcher phenomenology. Solid State Communications, 1993, 88, 377-379.	1.9	10
100	Some comments on the dynamics of super-cooled liquids near the glass transition. Journal of Non-Crystalline Solids, 1996, 195, 293-303.	3.1	10
101	A proposed analysis of saturation-dependent anisotropy for US Department of Energy (DOE) Hanford site soils. Hydrogeology Journal, 2010, 18, 381-403.	2.1	10
102	Predicting Rates of Weathering Rind Formation. Vadose Zone Journal, 2015, 14, 1-13.	2.2	10
103	A Percolationâ€Based Approach to Scaling Infiltration and Evapotranspiration. Water (Switzerland), 2017, 9, 104.	2.7	10
104	Predicting Water Cycle Characteristics from Percolation Theory and Observational Data. International Journal of Environmental Research and Public Health, 2020, 17, 734.	2.6	10
105	Relationship between the conductivity and the glass temperature for hopping systems. Physical Review B, 1989, 39, 11154-11155.	3.2	9
106	Comment on 'A probabilistic mechanism hidden behind the universal power law for dielectric relaxation: general relaxation equation' (and reply). Journal of Physics Condensed Matter, 1992, 4, 10503-10512.	1.8	9
107	A master equation for reactive solute transport in porous media. Stochastic Hydrology & Hydraulics, 1993, 7, 255-268.	0.5	9
108	Comments on â€œFractal Fragmentation, Soil Porosity, and Soil Water Properties: I. Theoryâ€. Soil Science Society of America Journal, 2007, 71, 1418-1419.	2.2	9

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109	A new phenomenological model to describe root-soil interactions based on percolation theory. Ecological Modelling, 2020, 433, 109205.	2.5	9
110	Very slow relaxation in systems lacking translational symmetry, with emphasis on disordered insulators. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1985, 52, 391-402.	0.6	8
111	A probabilistic treatment of fluvial entrainment of cohesionless particles. Journal of Geophysical Research, 1999, 104, 15409-15413.	3.3	8
112	A new conceptual model for forest fires based on percolation theory. Complexity, 2008, 13, 12-17.	1.6	8
113	Theoretical Relationship between Saturated Hydraulic Conductivity and Air Permeability under Dry Conditions: Continuum Percolation Theory. Vadose Zone Journal, 2014, 13, 1-6.	2.2	8
114	A theory for the width of the Coulomb gap. Journal of Physics C: Solid State Physics, 1985, 18, 5325-5334.	1.5	7
115	The pressure dependence of the glass transition temperature in some ionic liquids. Journal of Non-Crystalline Solids, 1994, 176, 288-293.	3.1	7
116	Spatio-temporal scaling of channels in braided streams. Journal of Hydrology, 2006, 322, 192-198.	5.4	7
117	Soil depth and soil production. Complexity, 2016, 21, 42-49.	1.6	7
118	The frequency dependent conductivity of the electron glass. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 156, 502-508.	2.1	6
119	A new calculation of 1/fnoise in disordered systems with hopping transport. Journal of Physics Condensed Matter, 1998, 10, L303-L310.	1.8	6
120	PERCOLATIVE ASPECTS OF VISCOUS FLOW NEAR THE GLASS TRANSITION. International Journal of Modern Physics B, 1994, 08, 855-864.	2.0	5
121	Fragility of liquids using percolation-based transport theories. Journal of Non-Crystalline Solids, 2000, 274, 93-101.	3.1	5
122	Brief communication: Possible explanation of the values of Hack's drainage basin, river length scaling exponent. Nonlinear Processes in Geophysics, 2016, 23, 91-93.	1.3	5
123	Estimating specific surface area: Incorporating the effect of surface roughness and probing molecule size. Soil Science Society of America Journal, 2021, 85, 534-545.	2.2	5
124	Predicting Characteristics of the Water Cycle From Scaling Relationships. Water Resources Research, 2021, 57, e2021WR030808.	4.2	5
125	Comparing van Genuchten and Percolation Theoretical Formulations of the Hydraulic Properties of Unsaturated Media. Vadose Zone Journal, 2004, 3, 1483-1488.	2.2	5
126	Incorporation of finite temperature structure and statistics into conductivity calculations in the Coulomb gap. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 151, 187-190.	2.1	4

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127	An elementary treatment of sequential correlations in non-local relaxation. Philosophical Magazine Letters, 1990, 62, 399-405.	1.2	4
128	Dielectric relaxation in dipole glasses, and thermal relaxation and the glass transition in systems with a maximum relaxation time. Journal of Non-Crystalline Solids, 1993, 160, 42-51.	3.1	4
129	Comment on â€œModeling Low-frequency Magnetic-field Precursors to the Loma Prieta Earthquake with a Precursory Increase in Fault-zone Conductivity,â€• by M. Merzer and S. L. Klemperer. Pure and Applied Geophysics, 2005, 162, 2573-2575.	1.9	4
130	Non-linear hydrologic organization. Nonlinear Processes in Geophysics, 2021, 28, 599-614.	1.3	4
131	Cohesive energies in certain sequences of cubic and square lattices. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1986, 53, 353-366.	0.6	3
132	The Pacific decadal oscillation and longâ€term climate prediction. Eos, 2000, 81, 581-581.	0.1	3
133	[Commnet on â€œSeismic predictors of El NiÃ±o revisitedâ€] Comment on an atmospheric stochastic trigger for El NiÃ±o. Eos, 2000, 81, 266.	0.1	3
134	Percolation Theory: Topology and Structure. Lecture Notes in Physics, 2009, , 1-36.	0.7	3
135	On the origin of slow processes of charge transport in porous media. Philosophical Magazine, 2012, 92, 4628-4648.	1.6	3
136	Gradients and Assumptions Affect Interpretation of Laboratory-Measured Gas-Phase Transport. Soil Science Society of America Journal, 2015, 79, 1018-1029.	2.2	3
137	Test of model of equivalence of tree height growth and transpiration rates in percolation-based phenomenology for root-soil interaction. Ecological Modelling, 2022, 465, 109853.	2.5	3
138	Comment on ?fractal and superdiffusive transport and hydrodynamic dispersion in heterogeneous porous media?, by Muhammad Sahimi. Transport in Porous Media, 1995, 21, 175-188.	2.6	2
139	Deducing low-frequency scaling of transport properties in an inhomogeneous medium from thermodynamics and geometry. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1995, 72, 401-415.	0.6	2
140	Michael Pollak and transport in disordered systems. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2001, 81, 813-817.	0.6	2
141	Comment on â€œFractal approach to hydraulic properties in unsaturated porous mediaâ€, by Y.F. Xu, Ping Dong [Chaos, Solitons, and Fractals, 19 (2004) 327â€“337]. Chaos, Solitons and Fractals, 2006, 28, 278-281.	5.1	2
142	Preface to the Special Issue of <i>Vadose Zone Journal</i> on Soil as Complex Systems. Vadose Zone Journal, 2016, 15, 1-3.	2.2	2
143	Theoretical bounds for the exponent in the empirical power-law advance-time curve for surface flow. Agricultural Water Management, 2018, 210, 208-216.	5.6	2
144	Percolation Theory: Topology and Structure. Lecture Notes in Physics, 2014, , 1-35.	0.7	2

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145	Fractal Models of Porous Media. Lecture Notes in Physics, 2014, , 103-129.	0.7	2
146	Wet-End Deviations from Scaling of the Water Retention Characteristics of Fractal Porous Media. Vadose Zone Journal, 2003, 2, 759-765.	2.2	2
147	Comment on â€˜â€˜Correlation functions for ionic motion from NMR relaxation and electrical conductivity in the glassy fast-ion conductor (Li2S)0.56(SiS2)0.44â€™â€™. Physical Review B, 1995, 51, 12000-12002.	3.2	1
148	Slow Conductivity Relaxation in the Fermi Glass. Physica Status Solidi (B): Basic Research, 2002, 230, 55-59.	1.5	1
149	Continuum percolation theory for natural porous media. Developments in Water Science, 2004, 55, 107-114.	0.1	1
150	Porous Media Primer for Physicists. Lecture Notes in Physics, 2009, , 57-96.	0.7	1
151	Specific Examples of Critical Path Analysis. Lecture Notes in Physics, 2009, , 97-122.	0.7	1
152	Properties based on Tortuosity. Lecture Notes in Physics, 2009, , 265-285.	0.7	1
153	Misconceptions. Lecture Notes in Physics, 2014, , 429-434.	0.7	1
154	Properties Relevant for Transport and Transport Applications. Lecture Notes in Physics, 2014, , 37-57.	0.7	1
155	Ultra-slow processes in disordered insulators. Journal of Non-Crystalline Solids, 1985, 77-78, 131-134.	3.1	0
156	Effects of Multi-Scale Heterogeneity. Lecture Notes in Physics, 2009, , 287-306.	0.7	0
157	Applications of the Cluster Statistics. Lecture Notes in Physics, 2009, , 247-264.	0.7	0
158	Pressureâ€“Saturation Curves and the Critical Volume Fraction for Percolation: Accessibility Function of Percolation Theory. Lecture Notes in Physics, 2009, , 207-231.	0.7	0
159	Properties Relevant for Transport and Transport Applications. Lecture Notes in Physics, 2009, , 37-55.	0.7	0
160	Hydraulic and Electrical Conductivity: Conductivity Exponents and Critical Path Analysis. Lecture Notes in Physics, 2009, , 123-167.	0.7	0
161	Applications of the Correlation Length: Scale Effects on Flow. Lecture Notes in Physics, 2009, , 233-246.	0.7	0
162	Application of Percolation Theory to Reaction and Flow in Geochemical Systems in Soil and Rock. , 2021, , 289-321.		0

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163	Modelling flow and transport in variably saturated porous media: Applications from percolation theory and effective-medium approximation. , 2021, , 79-117.		0
164	Effects of Multi-scale Heterogeneity. Lecture Notes in Physics, 2014, , 409-428.	0.7	0
165	Specific Examples of Critical Path Analysis. Lecture Notes in Physics, 2014, , 131-156.	0.7	0
166	Applications of the Cluster Statistics. Lecture Notes in Physics, 2014, , 313-331.	0.7	0
167	Properties Based on Tortuosity. Lecture Notes in Physics, 2014, , 333-408.	0.7	0
168	Porous Media Primer for Physicists. Lecture Notes in Physics, 2014, , 59-101.	0.7	0
169	Percolation Theory to Reaction and Flow in Geochemical Systems in Soil and Rock. , 2014, , 1-31.		0
170	Hydraulic and Electrical Conductivity: Conductivity Exponents and Critical Path Analysis. Lecture Notes in Physics, 2014, , 157-217.	0.7	0
171	Pressure Saturation Curves and the Critical Volume Fraction for Percolation: Accessibility Function of Percolation Theory. Lecture Notes in Physics, 2014, , 273-296.	0.7	0
172	Applications of the Correlation Length: Scale Effects on Flow. Lecture Notes in Physics, 2014, , 297-312.	0.7	0
173	Other Transport Properties of Porous Media. Lecture Notes in Physics, 2014, , 219-272.	0.7	0
174	Percolation Theory to Reaction and Flow in Geochemical Systems in Soil and Rock. , 2020, , 1-34.		0