

Scott Kirkpatrick

List of Publications by Year in descending order

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27
papers

16,029
citations

394421
19
h-index

677142
22
g-index

27
all docs

27
docs citations

27
times ranked

7973
citing authors

#	ARTICLE	IF	CITATIONS
1	Percolation and Conduction. Reviews of Modern Physics, 1973, 45, 574-588.	45.6	4,656
2	Solvable Model of a Spin-Glass. Physical Review Letters, 1975, 35, 1792-1796.	7.8	3,587
3	Renormalization, vortices, and symmetry-breaking perturbations in the two-dimensional planar model. Physical Review B, 1977, 16, 1217-1241.	3.2	1,752
4	An introduction to percolation theory. Advances in Physics, 1971, 20, 325-357.	14.4	1,280
5	Infinite-ranged models of spin-glasses. Physical Review B, 1978, 17, 4384-4403.	3.2	903
6	Classical Transport in Disordered Media: Scaling and Effective-Medium Theories. Physical Review Letters, 1971, 27, 1722-1725.	7.8	671
7	Determining computational complexity from characteristic "phase transitions". Nature, 1999, 400, 133-137.	27.8	617
8	A model of Internet topology using k-shell decomposition. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11150-11154.	7.1	612
9	Solvable Fractal Family, and Its Possible Relation to the Backbone at Percolation. Physical Review Letters, 1981, 47, 1771-1774.	7.8	364
10	Frustration and ground-state degeneracy in spin glasses. Physical Review B, 1977, 16, 4630-4641.	3.2	277
11	Localized States of a Binary Alloy. Physical Review B, 1972, 6, 3598-3609.	3.2	217
12	Spin-Glass Behavior in Frustrated Ising Models with Chaotic Renormalization-Group Trajectories. Physical Review Letters, 1982, 48, 767-770.	7.8	209
13	Percolation Phenomena in Higher Dimensions: Approach to the Mean-Field Limit. Physical Review Letters, 1976, 36, 69-72.	7.8	199
14	Percolation thresholds in Ising magnets and conducting mixtures. Physical Review B, 1977, 15, 1533-1538.	3.2	199
15	Low-frequency response functions of random magnetic systems. Physical Review B, 1977, 16, 542-576.	3.2	157
16	Critical behavior in the computational cost of satisfiability testing. Artificial Intelligence, 1996, 81, 273-295.	5.8	109
17	The nature of percolation "channels". Solid State Communications, 1973, 12, 1279-1283.	1.9	107
18	Amorphously packed, frustrated hierarchical models: Chaotic rescaling and spin-glass behavior. Journal of Applied Physics, 1982, 53, 7974-7976.	2.5	49

#	ARTICLE	IF	CITATIONS
19	Statistical mechanics and disordered systems. Communications of the ACM, 1985, 28, 363-373.	4.5	27
20	Models of disordered systems. Lecture Notes in Physics, 1981, , 280-301.	0.7	11
21	MODELS OF DISORDERED MATERIALS. , 1984, , 321-403.		10
22	Spin excitations in random antiferromagnets. AIP Conference Proceedings, 1976, , .	0.4	7
23	On Critical Slowing-Down in Spin Glasses. , 1980, , 459-463.		7
24	Social networks and spin glasses. Philosophical Magazine, 2012, 92, 362-377.	1.6	2
25	Once the Internet can measure itself. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20140437.	3.4	0
26	Computer Simulation. , 1984, , 257-266.		0
27	Coexistence of Localized and Extended States?. , 1973, , 327-340.		0