Gerald Paul

List of Publications by Year
in descending order

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24 papers	4,226 citations	623734 14 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	3565 citing authors

#	Article	IF	Citations
1	Catastrophic cascade of failures in interdependent networks. Nature, 2010, 464, 1025-1028.	27.8	3,326
2	Finding a Better Immunization Strategy. Physical Review Letters, 2008, 101, 058701.	7.8	237
3	Continuum percolation threshold for interpenetrating squares and cubes. Physical Review E, 2002, 66, 046136.	2.1	109
4	Traveling time and traveling length in critical percolation clusters. Physical Review E, 1999, 60, 3425-3428.	2.1	92
5	Flow between two sites on a percolation cluster. Physical Review E, 2000, 62, 8270-8281.	2.1	67
6	Partial Test of the Universality Hypothesis: The Case of Different Coupling Strengths in Different Lattice Directions. Physical Review B, 1972, 5, 2578-2599.	3.2	55
7	Resilience of complex networks to random breakdown. Physical Review E, 2005, 72, 056130.	2.1	54
8	Percolation threshold, Fisher exponent, and shortest path exponent for four and five dimensions. Physical Review E, 2001, 64, 026115.	2.1	51
9	Optimization of network robustness to random breakdowns. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 854-862.	2.6	40
10	Percolation theory applied to measures of fragmentation in social networks. Physical Review E, 2007, 75, 046107.	2.1	33
11	Network of Interdependent Networks: Overview of Theory and Applications. Understanding Complex Systems, 2014, , 3-36.	0.6	33
12	Partial Test of the Universality Hypothesis: The Case of Next-Nearest-Neighbor Interactions. Physical Review B, 1972, 5, 3715-3725.	3.2	30
13	Percolation theory and fragmentation measures in social networks. Physica A: Statistical Mechanics and Its Applications, 2007, 378, 11-19.	2.6	19
14	The approximate invariance of the average number of connections for the continuum percolation of squares at criticality. Physica A: Statistical Mechanics and Its Applications, 2003, 320, 34-40.	2.6	15
15	Dependence of conductance on percolation backbone mass. Physical Review E, 2000, 61, 3435-3440.	2.1	14
16	Fractal behavior of the shortest path between two lines in percolation systems. Physical Review E, 2002, 65, 066105.	2.1	10
17	Linear response theory for systems obeying the master equation. Journal of Statistical Physics, 1971, 3, 39-46.	1.2	9
18	Beyond blobs in percolation cluster structure: The distribution of 3-blocks at the percolation threshold. Physical Review E, 2002, 65, 056126.	2.1	8

#	Article	IF	Citations
19	Scaling of cluster mass between two lines in 3d percolation. Physica A: Statistical Mechanics and Its Applications, 2003, 318, 307-318.	2.6	8
20	Graph Partitioning Induced Phase Transitions. Physical Review Letters, 2007, 99, 115701.	7.8	8
21	Fractal dimension of 3-blocks in four-, five-, and six-dimensional percolation systems. Physical Review E, 2003, 67, 026103.	2.1	5
22	Distribution of backbone mass between non-parallel lines. Physica A: Statistical Mechanics and Its Applications, 2002, 314, 140-145.	2.6	3
23	The Random Quadratic Assignment Problem. Journal of Statistical Physics, 2011, 145, 734-744.	1.2	0
24	Dynamic Critical Phenomena in Fluid Systems. , 1971, , 795-878.		0