

# Gerald Paul

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Network of Interdependent Networks: Overview of Theory and Applications. Understanding Complex Systems, 2014, , 3-36.	0.6	33
2	The Random Quadratic Assignment Problem. Journal of Statistical Physics, 2011, 145, 734-744.	1.2	0
3	Catastrophic cascade of failures in interdependent networks. Nature, 2010, 464, 1025-1028.	27.8	3,326
4	Finding a Better Immunization Strategy. Physical Review Letters, 2008, 101, 058701.	7.8	237
5	Graph Partitioning Induced Phase Transitions. Physical Review Letters, 2007, 99, 115701.	7.8	8
6	Percolation theory applied to measures of fragmentation in social networks. Physical Review E, 2007, 75, 046107.	2.1	33
7	Percolation theory and fragmentation measures in social networks. Physica A: Statistical Mechanics and Its Applications, 2007, 378, 11-19.	2.6	19
8	Optimization of network robustness to random breakdowns. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 854-862.	2.6	40
9	Resilience of complex networks to random breakdown. Physical Review E, 2005, 72, 056130.	2.1	54
10	Scaling of cluster mass between two lines in 3d percolation. Physica A: Statistical Mechanics and Its Applications, 2003, 318, 307-318.	2.6	8
11	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
12	Fractal dimension of 3-blocks in four-, five-, and six-dimensional percolation systems. Physical Review E, 2003, 67, 026103.	2.1	5
13	Fractal behavior of the shortest path between two lines in percolation systems. Physical Review E, 2002, 65, 066105.	2.1	10
14	Continuum percolation threshold for interpenetrating squares and cubes. Physical Review E, 2002, 66, 046136.	2.1	109
15	Distribution of backbone mass between non-parallel lines. Physica A: Statistical Mechanics and Its Applications, 2002, 314, 140-145.	2.6	3
16	Beyond blobs in percolation cluster structure: The distribution of 3-blocks at the percolation threshold. Physical Review E, 2002, 65, 056126.	2.1	8
17	Percolation threshold, Fisher exponent, and shortest path exponent for four and five dimensions. Physical Review E, 2001, 64, 026115.	2.1	51
18	Dependence of conductance on percolation backbone mass. Physical Review E, 2000, 61, 3435-3440.	2.1	14

#	ARTICLE	IF	CITATIONS
19	Flow between two sites on a percolation cluster. Physical Review E, 2000, 62, 8270-8281.	2.1	67
20	Traveling time and traveling length in critical percolation clusters. Physical Review E, 1999, 60, 3425-3428.	2.1	92
21	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
22	Partial Test of the Universality Hypothesis: The Case of Next-Nearest-Neighbor Interactions. Physical Review B, 1972, 5, 3715-3725.	3.2	30
23	Linear response theory for systems obeying the master equation. Journal of Statistical Physics, 1971, 3, 39-46.	1.2	9
24	Dynamic Critical Phenomena in Fluid Systems. , 1971, , 795-878.		0