

# Stephan Mertens

## List of Publications by Year in descending order

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28  
papers

1,048  
citations

687335

13  
h-index

552766

26  
g-index

32  
all docs

32  
docs citations

32  
times ranked

779  
citing authors

#	ARTICLE	IF	CITATIONS
1	Percolation Is Odd. <i>Physical Review Letters</i> , 2019, 123, 230605.	7.8	4
2	Series expansion of the percolation threshold on hypercubic lattices. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 475001.	2.1	11
3	Percolation thresholds and Fisher exponents in hypercubic lattices. <i>Physical Review E</i> , 2018, 98, 022120.	2.1	28
4	Percolation thresholds in hyperbolic lattices. <i>Physical Review E</i> , 2017, 96, 042116.	2.1	10
5	Universal features of cluster numbers in percolation. <i>Physical Review E</i> , 2017, 96, 052119.	2.1	7
6	Low autocorrelation binary sequences. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 165001.	2.1	31
7	Percolation in finite matching lattices. <i>Physical Review E</i> , 2016, 94, 062152.	2.1	19
8	Stable roommates problem with random preferences. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P01020.	2.3	5
9	Small random instances of the stable roommates problem. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P06034.	2.3	2
10	A New Approach to the Matching Problem. <i>Physics Magazine</i> , 2014, 7, .	0.1	0
11	Continuum percolation thresholds in two dimensions. <i>Physical Review E</i> , 2012, 86, 061109.	2.1	157
12	Counting lattice animals in high dimensions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P09026.	2.3	9
13	Proof of the local REM conjecture for number partitioning. I: Constant energy scales. <i>Random Structures and Algorithms</i> , 2009, 34, 217-240.	1.1	29
14	Proof of the local REM conjecture for number partitioning. II. Growing energy scales. <i>Random Structures and Algorithms</i> , 2009, 34, 241-284.	1.1	26
15	Random numbers for large-scale distributed Monte Carlo simulations. <i>Physical Review E</i> , 2007, 75, 066701.	2.1	43
16	Random stable matchings. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2005, 2005, P10008-P10008.	2.3	14
17	Number partitioning as a random energy model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2004, 2004, P04003.	2.3	15
18	Entropy of pseudo-random-number generators. <i>Physical Review E</i> , 2004, 69, 055702.	2.1	11

#	ARTICLE	IF	CITATIONS
19	Universality in the level statistics of disordered systems. <i>Physical Review E</i> , 2004, 70, 025102.	2.1	19
20	Pseudo Random Coins Show More Heads Than Tails. <i>Journal of Statistical Physics</i> , 2004, 114, 1149-1169.	1.2	12
21	Constrained Integer Partitions. <i>Lecture Notes in Computer Science</i> , 2004, , 59-68.	1.3	0
22	Phase Transition in Multiprocessor Scheduling. <i>Physical Review Letters</i> , 2003, 90, 158701.	7.8	12
23	A physicist's approach to number partitioning. <i>Theoretical Computer Science</i> , 2001, 265, 79-108.	0.9	77
24	Random Costs in Combinatorial Optimization. <i>Physical Review Letters</i> , 2000, 84, 1347-1350.	7.8	98
25	Phase Transition in the Number Partitioning Problem. <i>Physical Review Letters</i> , 1998, 81, 4281-4284.	7.8	174
26	Vapnik-Chervonenkis dimension of neural networks with binary weights. <i>Physical Review E</i> , 1997, 55, 4478-4488.	2.1	8
27	Counting lattice animals: A parallel attack. <i>Journal of Statistical Physics</i> , 1992, 66, 669-678.	1.2	22
28	Exact site-percolation probability on the square lattice. <i>Journal of Physics A: Mathematical and Theoretical</i> , 0, , .	2.1	2