

Iwan Jensen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/774673/publications.pdf>

Version: 2024-02-01

96
papers

2,958
citations

182225

30
h-index

198040

52
g-index

97
all docs

97
docs citations

97
times ranked

970
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional interacting self-avoiding walks: new estimates for critical temperatures and exponents. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 165002.	0.7	5
2	Polygons pulled from an adsorbing surface. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 074001.	0.7	7
3	Three friendly walkers. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 024003.	0.7	0
4	Analyticity of the Ising susceptibility: an interpretation. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 365203.	0.7	0
5	Universal features of cluster numbers in percolation. <i>Physical Review E</i> , 2017, 96, 052119.	0.8	7
6	Is the full susceptibility of the square-lattice Ising model a differentially algebraic function?. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 504002.	0.7	3
7	Square lattice self-avoiding walks and biased differential approximants. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 424003.	0.7	5
8	Compressed self-avoiding walks, bridges and polygons. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 454001.	0.7	22
9	Integrability versus non-integrability: hard hexagons and hard squares compared. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 445001.	0.7	3
10	Pulling adsorbed self-avoiding walks from a surface. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 015004.	0.7	20
11	Analysis of mean cluster size in directed compact percolation near a damp wall. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P03004.	0.9	0
12	The hard hexagon partition function for complex fugacity. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 445202.	0.7	4
13	Pressure exerted by a grafted polymer on the limiting line of a semi-infinite square lattice. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 115004.	0.7	9
14	A numerical adaptation of self-avoiding walk identities from the honeycomb to other 2D lattices. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 035201.	0.7	1
15	Comment on "Series expansions from the corner transfer matrix renormalization group method: the hard-squares model". <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 508001.	0.7	7
16	A new transfer-matrix algorithm for exact enumerations: self-avoiding polygons on the square lattice. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 115202.	0.7	27
17	Two-dimensional self-avoiding walks and polymer adsorption: critical fugacity estimates. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 055208.	0.7	5
18	ROLE OF PULLING DIRECTION IN UNDERSTANDING THE ANISOTROPY OF THE RESISTANCE OF PROTEINS TO FORCE-INDUCED MECHANICAL UNFOLDING. <i>Modern Physics Letters B</i> , 2010, 24, 379-399.	1.0	8

#	ARTICLE	IF	CITATIONS
19	High-order Fuchsian equations for the square lattice Ising model: $\chi^{\sup}(6)$. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 115201.	0.7	23
20	Square lattice Ising model $\chi^{\sup}(5)$ ODE in exact arithmetic. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 195205.	0.7	9
21	Pulling self-interacting polymers in two dimensions. Physical Review E, 2009, 79, 031912.	0.8	12
22	Prudent walks and polygons. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 095205.	0.7	12
23	A parallel algorithm for the enumeration of benzenoid hydrocarbons. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P02065.	0.9	3
24	High order Fuchsian equations for the square lattice Ising model: $\chi^{\sup}(5)$. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 275209.	0.7	23
25	Modeling force-induced bio-polymer unfolding. Journal of Mathematical Chemistry, 2009, 45, 223-237.	0.7	8
26	Effect of Confinement: Polygons in Strips, Slabs and Rectangles. Lecture Notes in Physics, 2009, , 235-246.	0.3	2
27	Appendix: Series Data and Growth Constant, Amplitude and Exponent Estimates. Lecture Notes in Physics, 2009, , 469-482.	0.3	1
28	Exact Enumerations. Lecture Notes in Physics, 2009, , 143-179.	0.3	3
29	Series Analysis. Lecture Notes in Physics, 2009, , 181-202.	0.3	10
30	The exact perimeter generating function for a model of punctured staircase polygons. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 215002.	0.7	3
31	Experimental mathematics on the magnetic susceptibility of the square lattice Ising model. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 455202.	0.7	36
32	Exact generating function for 2-convex polygons. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 055001.	0.7	4
33	Role of pulling direction in understanding the energy landscape of proteins. Physical Review E, 2008, 78, 021905.	0.8	12
34	Area Distribution and Scaling Function for Punctured Polygons. Electronic Journal of Combinatorics, 2008, 15, .	0.2	2
35	Role of Conformational Entropy in Force-Induced Biopolymer Unfolding. Physical Review Letters, 2007, 98, 128101.	2.9	40
36	Honeycomb lattice polygons and walks as a test of series analysis techniques. Journal of Physics: Conference Series, 2006, 42, 163-178.	0.3	14

#	ARTICLE	IF	CITATIONS
37	The perimeter generating function of punctured staircase polygons. Journal of Physics A, 2006, 39, 3871-3882.	1.6	9
38	Universal amplitude ratio $\hat{\nu}^{\perp}$ for two-dimensional percolation. Physical Review E, 2006, 74, 020101.	0.8	9
39	Exact Solution of Two Planar Polygon Models. , 2006, , .		0
40	Perimeter generating functions for the mean-squared radius of gyration of convex polygons. Journal of Physics A, 2005, 38, L769-L775.	1.6	4
41	Self-avoiding walks crossing a square. Journal of Physics A, 2005, 38, 9159-9181.	1.6	26
42	Correction-to-Scaling Exponents for Two-Dimensional Self-Avoiding Walks. Journal of Statistical Physics, 2005, 120, 1037-1100.	0.5	45
43	Low-density series expansions for directed percolation: IV. Temporal disorder. Journal of Physics A, 2005, 38, 1441-1449.	1.6	9
44	Self-avoiding walks and polygons on the triangular lattice. Journal of Statistical Mechanics: Theory and Experiment, 2004, 2004, P10008.	0.9	20
45	Scaling prediction for self-avoiding polygons revisited. Journal of Statistical Mechanics: Theory and Experiment, 2004, 2004, P08007.	0.9	6
46	Low-density series expansions for directed percolation: III. Some two-dimensional lattices. Journal of Physics A, 2004, 37, 6899-6915.	1.6	12
47	Improved lower bounds on the connective constants for two-dimensional self-avoiding walks. Journal of Physics A, 2004, 37, 11521-11529.	1.6	17
48	Enumeration of self-avoiding walks on the square lattice. Journal of Physics A, 2004, 37, 5503-5524.	1.6	75
49	A parallel algorithm for the enumeration of self-avoiding polygons on the square lattice. Journal of Physics A, 2003, 36, 5731-5745.	1.6	52
50	Counting Polyominoes: A Parallel Implementation for Cluster Computing. Lecture Notes in Computer Science, 2003, , 203-212.	1.0	34
51	Percolation and epidemics in a two-dimensional small world. Physical Review E, 2002, 65, 021904.	0.8	117
52	On the Number of Benzenoid Hydrocarbons. Journal of Chemical Information and Computer Sciences, 2002, 42, 456-466.	2.8	34
53	Enumeration of compact self-avoiding walks. Computer Physics Communications, 2001, 142, 109-113.	3.0	11
54	Enumerations of Lattice Animals and Trees. , 2001, 102, 865-881.		62

#	ARTICLE	IF	CITATIONS
55	Polygonal polyominoes on the square lattice. Journal of Physics A, 2001, 34, 3721-3733.	1.6	4
56	Osculating and neighbour-avoiding polygons on the square lattice. Journal of Physics A, 2001, 34, 7979-7990.	1.6	3
57	Scaling function and universal amplitude combinations for self-avoiding polygons. Journal of Physics A, 2001, 34, L495-L501.	1.6	36
58	Critical exponents of plane meanders. Journal of Physics A, 2000, 33, L187-L192.	1.6	9
59	Statistics of lattice animals (polyominoes) and polygons. Journal of Physics A, 2000, 33, L257-L263.	1.6	78
60	Size and area of square lattice polygons. Journal of Physics A, 2000, 33, 3533-3543.	1.6	15
61	Punctured polygons and polyominoes on the square lattice. Journal of Physics A, 2000, 33, 1735-1764.	1.6	13
62	A transfer matrix approach to the enumeration of plane meanders. Journal of Physics A, 2000, 33, 5953-5963.	1.6	10
63	Low-density series expansions for directed percolation: II. The square lattice with a wall. Journal of Physics A, 1999, 32, 6055-6062.	1.6	12
64	Self-avoiding polygons on the square lattice. Journal of Physics A, 1999, 32, 4867-4876.	1.6	69
65	Low-density series expansions for directed percolation: I. A new efficient algorithm with applications to the square lattice. Journal of Physics A, 1999, 32, 5233-5249.	1.6	157
66	Study of the Potts model on the honeycomb and triangular lattices: Low-temperature series and partition function zeros. Journal of Physics A, 1998, 31, 2287-2310.	1.6	36
67	Self-avoiding walks, neighbour-avoiding walks and trails on semiregular lattices. Journal of Physics A, 1998, 31, 8137-8145.	1.6	38
68	The Potts model on Kagomé and honeycomb lattices. Journal of Physics A, 1997, 30, 8067-8083.	1.6	16
69	Series expansions for the percolation probability of a generalized Domany - Kinzel cellular automaton. Journal of Physics A, 1997, 30, 8471-8478.	1.6	7
70	Low-density series expansions for directed percolation on square and triangular lattices. Journal of Physics A, 1996, 29, 7013-7040.	1.6	80
71	Series expansions for two-dimensional directed percolation. Nuclear Physics, Section B, Proceedings Supplements, 1996, 47, 835-837.	0.5	5
72	Temporally Disordered Bond Percolation on the Directed Square Lattice. Physical Review Letters, 1996, 77, 4988-4991.	2.9	47

#	ARTICLE	IF	CITATIONS
73	Extrapolation procedure for low-temperature series for the square lattice spin-1 Ising model. Journal of Physics A, 1996, 29, 3817-3836.	1.6	7
74	Low-temperature series expansions for the square lattice Ising model with spin. Journal of Physics A, 1996, 29, 3805-3815.	1.6	15
75	Series expansions of the percolation probability on the directed triangular lattice. Journal of Physics A, 1996, 29, 497-517.	1.6	16
76	Directed percolation near a wall. Journal of Physics A, 1996, 29, 1619-1628.	1.6	27
77	Series expansions of the percolation probability for directed square and honeycomb lattices. Journal of Physics A, 1995, 28, 4813-4833.	1.6	37
78	CRITICAL BEHAVIOR OF NONEQUILIBRIUM MODELS WITH INFINITELY MANY ABSORBING STATES. International Journal of Modern Physics B, 1994, 08, 3299-3311.	1.0	14
79	Critical behaviour of a surface reaction model with infinitely many absorbing states. Journal of Physics A, 1994, 27, L61-L68.	1.6	26
80	Critical exponents for branching annihilating random walks with an even number of offspring. Physical Review E, 1994, 50, 3623-3633.	0.8	132
81	Series analysis of the generalized contact process. Physica A: Statistical Mechanics and Its Applications, 1994, 203, 175-188.	1.2	27
82	Low-temperature series expansions for the spin-1 Ising model. Journal of Physics A, 1994, 27, 6987-7005.	1.6	44
83	Time-dependent perturbation theory for nonequilibrium lattice models. Journal of Statistical Physics, 1993, 71, 89-127.	0.5	94
84	Time-dependent perturbation theory for diffusive non-equilibrium lattice models. Journal of Physics A, 1993, 26, L151-L157.	1.6	43
85	Critical behavior of the pair contact process. Physical Review Letters, 1993, 70, 1465-1468.	2.9	158
86	Nonequilibrium phase transitions in systems with infinitely many absorbing states. Physical Review E, 1993, 48, 1710-1725.	0.8	152
87	Critical behavior of branching annihilating random walks with an odd number of offsprings. Physical Review E, 1993, 47, R1-R4.	0.8	64
88	Conservation laws and universality in branching annihilating random walks. Journal of Physics A, 1993, 26, 3921-3930.	1.6	54
89	Scaling analysis of time-dependent simulations of the three-dimensional contact process. Physical Review A, 1992, 46, 7393-7400.	1.0	5
90	Critical behavior of the three-dimensional contact process. Physical Review A, 1992, 45, R563-R566.	1.0	47

#	ARTICLE	IF	CITATIONS
91	Non-equilibrium critical behaviour on fractal lattices. <i>Journal of Physics A</i> , 1991, 24, L1111-L1117.	1.6	23
92	Time-dependent perturbation theory for nonequilibrium lattice models. <i>Physical Review Letters</i> , 1991, 67, 2391-2394.	2.9	76
93	Universality class of a one-dimensional cellular automaton. <i>Physical Review A</i> , 1991, 43, 3187-3189.	1.0	30
94	Random sequential adsorption: Series and virial expansions. <i>Journal of Chemical Physics</i> , 1991, 94, 8252-8257.	1.2	114
95	Critical exponents for an irreversible surface reaction model. <i>Physical Review A</i> , 1990, 41, 3411-3414.	1.0	168
96	Kinetic phase transitions in a surface-reaction model with diffusion: Computer simulations and mean-field theory. <i>Physical Review A</i> , 1990, 42, 1969-1975.	1.0	58