Jacques Hh Perk

List of Publications by Year
in descending order

69 papers	**2,826** citations	186265 **28** h-index	175258 **52** g-index
69 all docs	**69** docs citations	**69** times ranked	**664** citing authors

#	Article	IF	Citations
1	New solutions of the star-triangle relations for the chiral potts model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 128, 138-142.	2.1	262
2	Commuting transfer matrices in the chiral Potts models: Solutions of star-triangle equations with genus>1. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 123, 219-223.	2.1	229
3	New families of commuting transfer matrices in q-state vertex models. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 84, 407-410.	2.1	227
4	Time- and frequency-dependent correlation functions for the homogeneous and alternating-isotropic XY-models. Physica A: Statistical Mechanics and Its Applications, 1980, 100, 1-23.	2.6	111
5	Two-Spin Correlation Functions of an Ising Model with Continuous Exponents. Physical Review Letters, 1980, 44, 840-844.	7.8	110
6	Autocorrelation function of the x-component of the magnetization in the one-dimensional XY-model. Physica A: Statistical Mechanics and Its Applications, 1977, 87, 211-242.	2.6	108
7	Commuting transfer matrices for the four-state self-dual chiral Potts model with a genus-three uniformizing fermat curve. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 125, 9-14.	2.1	96
8	On a soluble model of an antiferromagnetic chain with alternating interactions and magnetic moments. Physica A: Statistical Mechanics and Its Applications, 1975, 81, 319-348.	2.6	94
9	Time-dependent correlation functions of the transverse Ising chain at the critical magnetic field. Nuclear Physics B, 1983, 220, 35-47.	2.5	94
10	Excitation spectrum and order parameter for the integrable N-state chiral Potts model. Nuclear Physics B, 1989, 314, 741-763.	2.5	92
11	Time-dependent xx-correlation functions in the one-dimensional XY-model. Physica A: Statistical Mechanics and Its Applications, 1977, 89, 265-303.	2.6	87
12	The Susceptibility of the Square Lattice Ising Model: New Developments. Journal of Statistical Physics, 2001, 102, 795-841.	1.2	85
13	Correlation functions of the transverse Ising chain at the critical field for large temporal and spatial separations. Nuclear Physics B, 1983, 220, 269-282.	2.5	72
14	Commensurate-incommensurate transition in the ground state of the superintegrable chiral Potts model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 135, 159-166.	2.1	66
15	Finite-temperature correlations for the Ising chain in a transverse field. Physica A: Statistical Mechanics and Its Applications, 1984, 123, 1-49.	2.6	59
16	Ising Field Theory: Quadratic Difference Equations for then-Point Green's Functions on the Lattice. Physical Review Letters, 1981, 46, 757-760.	7.8	58
17	Critical correlations in a Z-invariant inhomogeneous ising model. Physica A: Statistical Mechanics and Its Applications, 1987, 144, 44-104.	2.6	57
18	New Results for the Correlation Functions of the Ising Model and the Transverse Ising Chain. Journal of Statistical Physics, 2009, 135, 599-619.	1.2	55

#	ARTICLE	IF	CITATIONS
19	Antisymmetric exchange, canting and spiral structure. Physics Letters, Section A: General, Atomic and Solid State Physics, 1976, 58, 115-117.	2.1	50
20	Critical Behavior of the Two-Dimensional Ising Susceptibility. Physical Review Letters, 2001, 86, 4120-4123.	7.8	47
21	Ising correlations at the critical temperature. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 104, 131-134.	2.1	45
22	Time correlation functions and ergodic properties in the alternating XY-chain. Physica A: Statistical Mechanics and Its Applications, 1977, 89, 304-325.	2.6	42
23	Level crossing transitions and the massless phases of the superintegrable chiral Potts chain. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 139, 204-212.	2.1	42
24	Transverse correlations in the inhomogeneous one-dimensional XY-model at infinite temperature. Physica A: Statistical Mechanics and Its Applications, 1978, 92, 163-184.	2.6	40
25	Systems with separable many-particle interactions. II. Physica A: Statistical Mechanics and Its Applications, 1976, 85, 425-456.	2.6	33
26	Nonintersecting string model and graphical approach: Equivalence with a Potts model. Journal of Statistical Physics, 1986, 42, 727-742.	1.2	31
27	The Ising Susceptibility Scaling Function. Journal of Statistical Physics, 2011, 145, 549-590.	1.2	31
28	Dynamic spin correlation functions of the XYZ chain at infinite temperature: A study based on moments. Physica A: Statistical Mechanics and Its Applications, 1986, 136, 255-302.	2.6	29
29	Systems with separable many-particle interactions. I. Physica A: Statistical Mechanics and Its Applications, 1976, 85, 51-70.	2.6	27
30	Graphical approach to the nonintersecting string model: Star-triangle equation, inversion relation, and exact solution. Physica A: Statistical Mechanics and Its Applications, 1986, 138, 100-124.	2.6	27
31	Diagonalization of the transfer matrix of a nonintersecting string model. Physica A: Statistical Mechanics and Its Applications, 1983, 122, 50-70.	2.6	26
32	Energy-Density Correlation Functions in the Two-Dimensional Ising Model with a Line Defect. Physical Review Letters, 1985, 54, 1091-1094.	7.8	23
33	Eigenvalue Spectrum of the Superintegrable Chiral Potts Model. , 1989, , 1-55.		22
34	New results for the susceptibility of the two-dimensional Ising model at criticality. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 116, 54-56.	2.1	21
35	Solvable Models in Statistical Mechanics and Riemann Surfaces of Genus Greater than One. , 1988, , 29-39.		21
36	Stability of critical behaviour, critical-exponent renormalization and first-order transitions. Physica A: Statistical Mechanics and Its Applications, 1979, 95, 371-416.	2.6	20

#	Article	IF	Citations
37	The Many Faces of the Chiral Potts Model. International Journal of Modern Physics B, 1997, 11, 11-26.	2.0	19
38	Eigenvectors in the superintegrable model I: {rak{sl}}_2 generators. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 275201.	2.1	18
39	Convex-envelope formulation for separable many-particle interactions. Physica A: Statistical Mechanics and Its Applications, 1977, 89, 555-568.	2.6	17
40	Relation of conformal field theory and deformation theory for the Ising model. Nuclear Physics B, 1987, 285, 279-294.	2.5	17
41	Comment on â€˜Conjectures on exact solution of three-dimensional (3D) simple orthorhombic Ising latticesâ€™. Philosophical Magazine, 2009, 89, 761-764.	1.6	17
42	Logarithmic singularities of Q-dependent susceptibility of 2-D Ising model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 118, 336-340.	2.1	16
43	Onsager's Star-Triangle Equation: Master Key to Integrability. , 1989, , 57-94.		15
44	Eigenvectors in the superintegrable model II: ground-state sector. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 375208.	2.1	15
45	Parafermions in the Ï„2model. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 315002.	2.1	15
46	The chiral Potts models revisited. Journal of Statistical Physics, 1995, 78, 17-78.	1.2	11
47	The large-N limits of the chiral Potts model. Physica A: Statistical Mechanics and Its Applications, 1999, 268, 175-206.	2.6	11
48	NEW RESULTS FOR SUSCEPTIBILITIES IN PLANAR ISING MODELS. International Journal of Modern Physics B, 2002, 16, 2089-2095.	2.0	11
49	Wavevector-Dependent Susceptibility in Quasiperiodic Ising Models. Journal of Statistical Physics, 2001, 102, 501-543.	1.2	10
50	Q-Dependent Susceptibilities in Ferromagnetic Quasiperiodic Z-Invariant Ising Models. Journal of Statistical Physics, 2007, 127, 265-286.	1.2	10
51	Antiferromagnetic chain with alternating interactions and megnetic moments. Physics Letters, Section A: General, Atomic and Solid State Physics, 1975, 53, 21-22.	2.1	7
52	Critical-exponent renormalization, first-order transitions and demagnetizing effects for Schofield's linear model. Physica A: Statistical Mechanics and Its Applications, 1981, 105, 53-85.	2.6	7
53	LEVEL CROSSING, SPONTANEOUS PARITY VIOLATION, HIGH Tc SUPERCONDUCTIVITY MECHANISMS AND THE CHIRAL POTTS CHAIN. International Journal of Modern Physics B, 1990, 04, 995-1001.	2.0	7
54	Baxter's Solution for the Free Energy of the Chiral Potts Model. Journal of Statistical Physics, 2001, 102, 471-499.	1.2	7

#	Article	IF	Citations
55	Susceptibility calculations in periodic and quasiperiodic planar Ising models. Physica A: Statistical Mechanics and Its Applications, 2003, 321, 81-89.	2.6	7
56	Wavevector-Dependent Susceptibility in Z-Invariant Pentagrid Ising Model. Journal of Statistical Physics, 2007, 127, 221-264.	1.2	7
57	The early history of the integrable chiral Potts model and the odd–even problem. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 153001.	2.1	7
58	Critical-exponent renormalization and first-order transitions. Physics Letters, Section A: General, Atomic and Solid State Physics, 1978, 66, 437-439.	2.1	6
59	Rejoinder to the Response to the Comment on 'Conjectures on exact solution of three-dimensional (3D) simple orthorhombic Ising lattices'. Philosophical Magazine, 2009, 89, 769-770.	1.6	6
60	Toda lattice equation and Wronskians in the 2d Ising model. Physica D: Nonlinear Phenomena, 1986, 18, 365-366.	2.8	5
61	Comments concerning the Ising model and two letters by N.H. March. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1339-1340.	2.1	4
62	Star-triangle equations and multicomponent chiral Potts models. Physica A: Statistical Mechanics and Its Applications, 1991, 177, 139-145.	2.6	3
63	Phase diagram in the generalized chiral clock models. Physica A: Statistical Mechanics and Its Applications, 1996, 228, 78-101.	2.6	3
64	Time–dependent correlation functions in the high–temperature limit for the XY–chain and the Ising–chain in a transverse magnetic field. Journal of Applied Physics, 1979, 50, 1771-1772.	2.5	2
65	Comment on "New exact solutions of the classical sine-Gordon equation in 2+1 and 3+1 dimensions". Physical Review D, 1981, 23, 2482-2483.	4.7	2
66	Quasicrystals—The impact of N.G. de Bruijn. Indagationes Mathematicae, 2013, 24, 996-1017.	0.4	2
67	CSOS models descending from chiral Potts models: degeneracy of the eigenspace and loop algebra. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 154003.	2.1	2
68	Spontaneous magnetization of the integrable chiral Potts model. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 445005.	2.1	1
69	Some new results on exactly solvable models. Physica D: Nonlinear Phenomena, 1986, 18, 386-387.	2.8	0