

Nikolay M Bogoliubov

List of Publications by Year in descending order

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51
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all docs

51
docs citations

51
times ranked

345
citing authors

#	ARTICLE	IF	CITATIONS
1	The Generalized Tavis-Cummings Model with Cavity Damping. <i>Symmetry</i> , 2021, 13, 2124.	2.2	2
2	The partition function of the four-vertex model in inhomogeneous external field and trace statistics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 495002.	2.1	5
3	High-accuracy energy formulas for the attractive two-site Bose-Hubbard model. <i>Physical Review A</i> , 2018, 97, .	2.5	2
4	The phase model and the norm-trace generating function of plane partitions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 083101.	2.3	9
5	Time evolution of the atomic inversion for the generalized Tavis-Cummings model-QIM approach. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 464003.	2.1	6
6	Multi-Dimensional Random Walks and Integrable Phase Models. <i>Journal of Mathematical Sciences</i> , 2017, 224, 199-213.	0.4	1
7	Integrable models and combinatorics. <i>Russian Mathematical Surveys</i> , 2015, 70, 789-856.	0.6	28
8	Combinatorics of a strongly coupled boson system. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2015, 155, 101-110.	0.9	0
9	Correlation functions of XXO Heisenberg chain, q-binomial determinants, and random walks. <i>Nuclear Physics B</i> , 2014, 879, 268-291.	2.5	15
10	A Combinatorial Interpretation of the Scalar Products of State Vectors of Integrable Models. <i>Journal of Mathematical Sciences</i> , 2014, 200, 662-670.	0.4	2
11	Calculation of correlation functions in totally asymmetric exactly solvable models on a ring. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2013, 175, 755-762.	0.9	2
12	Multiple-grain dissipative sandpiles. <i>Journal of Mathematical Sciences</i> , 2013, 190, 411-418.	0.4	2
13	The correlation functions of the XXZ Heisenberg chain in the case of zero or infinite anisotropy, and random walks of vicious walkers. <i>St Petersburg Mathematical Journal</i> , 2011, 22, 359-359.	0.4	16
14	Correlation functions for a strongly coupled boson system and plane partitions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 1319-1333.	3.4	13
15	Ising limit of a Heisenberg XXZ magnet and some temperature correlation functions. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2011, 169, 1517-1529.	0.9	7
16	Five-vertex model with fixed boundary conditions. <i>St Petersburg Mathematical Journal</i> , 2010, 21, 407-421.	0.4	6
17	Correlation functions of the XX Heisenberg magnet and random walks of vicious walkers. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2009, 159, 563-574.	0.9	11
18	Form factors, plane partitions, and random walks. <i>Journal of Mathematical Sciences</i> , 2009, 158, 771-786.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Determinantal Representation of the Time-Dependent Stationary Correlation Function for the Totally Asymmetric Simple Exclusion Model. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2009, , .	0.5	7
20	Four-vertex model and random tilings. Theoretical and Mathematical Physics(Russian Federation), 2008, 155, 523-535.	0.9	19
21	Four-vertex model. Journal of Mathematical Sciences, 2008, 151, 2816-2828.	0.4	7
22	Enumeration of plane partitions and the algebraic Bethe ansatz. Theoretical and Mathematical Physics(Russian Federation), 2007, 150, 165-174.	0.9	18
23	Integrable models for vicious and friendly walkers. Journal of Mathematical Sciences, 2007, 143, 2729-2737.	0.4	18
24	Title is missing!. St Petersburg Mathematical Journal, 2006, 17, 63-85.	0.4	2
25	Spinor bose condensate and the $su(1,1)$ Richardson model. Journal of Mathematical Sciences, 2006, 136, 3552-3559.	0.4	3
26	XX0 Heisenberg chain and random walks. Journal of Mathematical Sciences, 2006, 138, 5636-5643.	0.4	28
27	Boxed plane partitions as an exactly solvable boson model. Journal of Physics A, 2005, 38, 9415-9430.	1.6	54
28	Boundary polarization in the six-vertex model. Physical Review E, 2002, 65, 026126.	2.1	27
29	Boundary correlation functions of the six-vertex model. Journal of Physics A, 2002, 35, 5525-5541.	1.6	65
30	Solitons of q -deformed quantum lattices and the quantum soliton. Journal of Physics A, 2001, 34, 10463-10474.	1.6	6
31	Finite-temperature correlations in the trapped Bose-Einstein gas. Europhysics Letters, 2001, 55, 755-761.	2.0	7
32	Quantum Dynamics of Strongly Interacting Boson Systems: Atomic Beam Splitters and Coupled Bose-Einstein Condensates. Physical Review Letters, 2001, 86, 4439-4442.	7.8	11
33	The $su(1,1)$ Tavis-Cummings model. Journal of Physics A, 1998, 31, 4705-4723.	1.6	39
34	Correlators of the phase model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 231, 347-352.	2.1	9
35	On the spectrum of the non-Hermitian phase-difference model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 234, 345-350.	2.1	22
36	Exact solution of generalized Tavis - Cummings models in quantum optics. Journal of Physics A, 1996, 29, 6305-6312.	1.6	69

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37	Quantum repulsive Nonlinear Schrödinger models and their "Superconductivity". Chaos, Solitons and Fractals, 1995, 5, 2639-2656.	5.1	10
38	Maxwell-Bloch system on a lattice. Physical Review A, 1995, 52, 1487-1493.	2.5	10
39	An integrable q-deformed model for bosons interacting with spin impurities. Journal of Physics A, 1994, 27, L363-L367.	1.6	14
40	Critical Behavior for Correlated Strongly Coupled Boson Systems in 1 + 1 Dimensions. Physical Review Letters, 1994, 72, 3933-3936.	7.8	41
41	Exact solution of aq-boson hopping model. Physical Review B, 1993, 47, 11495-11498.	3.2	46
42	A q-deformed completely integrable Bose gas model. Journal of Physics A, 1992, 25, 4057-4071.	1.6	49
43	Completely integrable model of interacting q-bosons. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 168, 264-269.	2.1	18
44	Quantum and classical integrability: new approaches in statistical mechanics. Physica D: Nonlinear Phenomena, 1991, 51, 43-51.	2.8	1
45	Finite-size effects and infrared asymptotics of the correlation functions in two dimensions. Journal of Physics A, 1987, 20, 5361-5369.	1.6	78
46	Critical exponents for integrable models. Nuclear Physics B, 1986, 275, 687-705.	2.5	184
47	Correlation length of the one-dimensional Bose gas. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 111, 419-422.	2.1	1
48	Structure of the vacuum in the quantum sine-Gordon model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 159, 345-347.	4.1	8
49	Correlation length of the one-dimensional Bose gas. Nuclear Physics B, 1985, 257, 766-778.	2.5	10
50	Zero Range Process and Multi-Dimensional Random Walks. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	2
51	Spin correlation functions, Ramus-like identities, and enumeration of constrained lattice walks and plane partitions. Journal of Physics A: Mathematical and Theoretical, 0, , .	2.1	0