

Nikolay M Bogoliubov

List of Publications by Year in descending order

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51
papers

1,015
citations

516710

16
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434195

31
g-index

51
all docs

51
docs citations

51
times ranked

345
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical exponents for integrable models. Nuclear Physics B, 1986, 275, 687-705.	2.5	184
2	Finite-size effects and infrared asymptotics of the correlation functions in two dimensions. Journal of Physics A, 1987, 20, 5361-5369.	1.6	78
3	Exact solution of generalized Tavis - Cummings models in quantum optics. Journal of Physics A, 1996, 29, 6305-6312.	1.6	69
4	Boundary correlation functions of the six-vertex model. Journal of Physics A, 2002, 35, 5525-5541.	1.6	65
5	Boxed plane partitions as an exactly solvable boson model. Journal of Physics A, 2005, 38, 9415-9430.	1.6	54
6	A q-deformed completely integrable Bose gas model. Journal of Physics A, 1992, 25, 4057-4071.	1.6	49
7	Exact solution of aq-boson hopping model. Physical Review B, 1993, 47, 11495-11498.	3.2	46
8	Critical Behavior for Correlated Strongly Coupled Boson Systems in 1 + 1 Dimensions. Physical Review Letters, 1994, 72, 3933-3936.	7.8	41
9	The su(1,1) Tavis-Cummings model. Journal of Physics A, 1998, 31, 4705-4723.	1.6	39
10	XX0 Heisenberg chain and random walks. Journal of Mathematical Sciences, 2006, 138, 5636-5643.	0.4	28
11	Integrable models and combinatorics. Russian Mathematical Surveys, 2015, 70, 789-856.	0.6	28
12	Boundary polarization in the six-vertex model. Physical Review E, 2002, 65, 026126.	2.1	27
13	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
14	Four-vertex model and random tilings. Theoretical and Mathematical Physics(Russian Federation), 2008, 155, 523-535.	0.9	19
15	Completely integrable model of interacting q-bosons. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 168, 264-269.	2.1	18
16	Enumeration of plane partitions and the algebraic Bethe ansatz. Theoretical and Mathematical Physics(Russian Federation), 2007, 150, 165-174.	0.9	18
17	Integrable models for vicious and friendly walkers. Journal of Mathematical Sciences, 2007, 143, 2729-2737.	0.4	18
18	The correlation functions of the XXZ Heisenberg chain in the case of zero or infinite anisotropy, and random walks of vicious walkers. St Petersburg Mathematical Journal, 2011, 22, 359-359.	0.4	16

#	ARTICLE	IF	CITATIONS
19	Correlation functions of XX0 Heisenberg chain, q-binomial determinants, and random walks. Nuclear Physics B, 2014, 879, 268-291.	2.5	15
20	An integrable q-deformed model for bosons interacting with spin impurities. Journal of Physics A, 1994, 27, L363-L367.	1.6	14
21	Correlation functions for a strongly coupled boson system and plane partitions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 1319-1333.	3.4	13
22	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
23	Correlation functions of the XX Heisenberg magnet and random walks of vicious walkers. Theoretical and Mathematical Physics(Russian Federation), 2009, 159, 563-574.	0.9	11
24	Correlation length of the one-dimensional Bose gas. Nuclear Physics B, 1985, 257, 766-778.	2.5	10
25	Quantum repulsive Nonlinear Schrödinger models and their "Superconductivity". Chaos, Solitons and Fractals, 1995, 5, 2639-2656.	5.1	10
26	Maxwell-Bloch system on a lattice. Physical Review A, 1995, 52, 1487-1493.	2.5	10
27	Correlators of the phase model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 231, 347-352.	2.1	9
28	The phase model and the norm-trace generating function of plane partitions. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 083101.	2.3	9
29	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
30	Finite-temperature correlations in the trapped Bose-Einstein gas. Europhysics Letters, 2001, 55, 755-761.	2.0	7
31	Four-vertex model. Journal of Mathematical Sciences, 2008, 151, 2816-2828.	0.4	7
32	Ising limit of a Heisenberg XXZ magnet and some temperature correlation functions. Theoretical and Mathematical Physics(Russian Federation), 2011, 169, 1517-1529.	0.9	7
33	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
34	Solitons of q-deformed quantum lattices and the quantum soliton. Journal of Physics A, 2001, 34, 10463-10474.	1.6	6
35	Five-vertex model with fixed boundary conditions. St Petersburg Mathematical Journal, 2010, 21, 407-421.	0.4	6
36	Time evolution of the atomic inversion for the generalized Tavis-Cummings model-QIM approach. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 464003.	2.1	6

#	ARTICLE	IF	CITATIONS
37	Form factors, plane partitions, and random walks. Journal of Mathematical Sciences, 2009, 158, 771-786.	0.4	5
38	The partition function of the four-vertex model in inhomogeneous external field and trace statistics. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 495002.	2.1	5
39	Spinor bose condensate and the su(1,1) Richardson model. Journal of Mathematical Sciences, 2006, 136, 3552-3559.	0.4	3
40	Title is missing!. St Petersburg Mathematical Journal, 2006, 17, 63-85.	0.4	2
41	Calculation of correlation functions in totally asymmetric exactly solvable models on a ring. Theoretical and Mathematical Physics(Russian Federation), 2013, 175, 755-762.	0.9	2
42	Multiple-grain dissipative sandpiles. Journal of Mathematical Sciences, 2013, 190, 411-418.	0.4	2
43	A Combinatorial Interpretation of the Scalar Products of State Vectors of Integrable Models. Journal of Mathematical Sciences, 2014, 200, 662-670.	0.4	2
44	High-accuracy energy formulas for the attractive two-site Bose-Hubbard model. Physical Review A, 2018, 97, .	2.5	2
45	Zero Range Process and Multi-Dimensional Random Walks. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	2
46	The Generalized Tavis-Cummings Model with Cavity Damping. Symmetry, 2021, 13, 2124.	2.2	2
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	Quantum and classical integrability: new approaches in statistical mechanics. Physica D: Nonlinear Phenomena, 1991, 51, 43-51.	2.8	1
49	Multi-Dimensional Random Walks and Integrable Phase Models. Journal of Mathematical Sciences, 2017, 224, 199-213.	0.4	1
50	Combinatorics of a strongly coupled boson system. Theoretical and Mathematical Physics(Russian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	0
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