

Jon Links

List of Publications by Year in descending order

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120
all docs

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docs citations

120
times ranked

549
citing authors

#	ARTICLE	IF	CITATIONS
1	New Supersymmetric and Exactly Solvable Model of Correlated Electrons. Physical Review Letters, 1995, 74, 2768-2771.	2.9	131
2	Algebraic Bethe ansatz method for the exact calculation of energy spectra and form factors: applications to models of Bose-Einstein condensates and metallic nanograins. Journal of Physics A, 2003, 36, R63-R104.	1.6	126
3	Superconducting correlations in metallic nanoparticles: Exact solution of the BCS model by the algebraic Bethe ansatz. Physical Review B, 2002, 65, .	1.1	80
4	Ground-state properties of the attractive one-dimensional Bose-Hubbard model. Physical Review B, 2007, 75, .	1.1	70
5	Exactly solvable pairing model for superconductors with $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{x} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{symmetry} \text{. Physical Review B, 2009, 79, .}$	1.1	67
6	Integrable electron model with correlated hopping and quantum supersymmetry. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 212, 156-160.	0.9	48
7	Classical and quantum dynamics of a model for atomic-molecular Bose-Einstein condensates. Physical Review A, 2006, 73, .	1.0	48
8	Exact solution of the p + ip pairing Hamiltonian and a hierarchy of integrable models. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P08025.	0.9	43
9	Exact results for a tunnel-coupled pair of trapped Bose-Einstein condensates. Journal of Physics A, 2003, 36, L113-L119.	1.6	39
10	Two variable link polynomials from quantum supergroups. Letters in Mathematical Physics, 1992, 26, 187-198.	0.5	36
11	Integrability of a t-J model with impurities. Journal of Physics A, 1999, 32, 147-157.	1.6	34
12	Integrability and exact spectrum of a pairing model for nucleons. Journal of Physics A, 2002, 35, 6459-6469.	1.6	33
13	Graded reflection equation algebras and integrable Kondo impurities in the one-dimensional t-J model. Nuclear Physics B, 1999, 546, 779-799.	0.9	32
14	ON TYPE I QUANTUM AFFINE SUPERALGEBRAS. International Journal of Modern Physics A, 1995, 10, 3259-3281.	0.5	30
15	Ground-State Entanglement of the BCS Model. Physical Review Letters, 2005, 94, 227002.	2.9	30
16	Algebraic properties of an integrable t-J model with impurities. Nuclear Physics B, 1999, 552, 707-726.	0.9	28
17	Generalized Heine-Stieltjes and Van Vleck polynomials associated with two-level, integrable BCS models. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P08019.	0.9	24
18	Measurement-Based Teleportation along Quantum Spin Chains. Physical Review Letters, 2005, 95, 230501.	2.9	23

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19	Quantum phase transitions in an interacting atom-molecule boson model. <i>Physical Review A</i> , 2010, 81, .	1.0	23
20	Integrability of the Russian doll BCS model. <i>Nuclear Physics B</i> , 2004, 702, 481-494.	0.9	22
21	The Two-Site Bose-Hubbard Model. <i>Annales Henri Poincare</i> , 2006, 7, 1591-1600.	0.8	22
22	Control of tunneling in an atomtronic switching device. <i>Communications Physics</i> , 2018, 1, .	2.0	22
23	Exact solutions for a family of spin-boson systems. <i>Nonlinearity</i> , 2011, 24, 1975-1986.	0.6	21
24	INTEGRABLE SYSTEMS ON OPEN CHAINS WITH QUANTUM SUPERSYMMETRY. <i>International Journal of Modern Physics B</i> , 1996, 10, 3461-3480.	1.0	20
25	Integrable multiparametric quantum spin chains. <i>Journal of Physics A</i> , 1998, 31, 687-695.	1.6	20
26	Emergent quantum phases in a heteronuclear molecular Bose-Einstein condensate model. <i>Nuclear Physics B</i> , 2007, 767, 227-249.	0.9	20
27	On the boundaries of quantum integrability for the spin-1/2 Richardson-Gaudin system. <i>Nuclear Physics B</i> , 2014, 886, 364-398.	0.9	20
28	Two-site Bose-Hubbard model with nonlinear tunneling: Classical and quantum analysis. <i>Physical Review A</i> , 2017, 95, .	1.0	20
29	Twisting invariance of link polynomials derived from ribbon quasi-Hopf algebras. <i>Journal of Mathematical Physics</i> , 2000, 41, 5020-5032.	0.5	19
30	Ladder Operator for the One-Dimensional Hubbard Model. <i>Physical Review Letters</i> , 2001, 86, 5096-5099.	2.9	18
31	Representations of the quantum doubles of finite group algebras and spectral parameter dependent solutions of the Yang-Baxter equation. <i>Journal of Mathematical Physics</i> , 2006, 47, 103511.	0.5	18
32	An integrable case of the pairing Hamiltonian interacting with its environment. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 084001.	0.7	18
33	Protocol designs for NOON states. <i>Communications Physics</i> , 2022, 5, .	2.0	17
34	QUANTUM SUPERGROUPS, LINK POLYNOMIALS AND REPRESENTATION OF THE BRAID GENERATOR. <i>Reviews in Mathematical Physics</i> , 1993, 05, 345-361.	0.7	16
35	Algebraic Bethe ansatz for the supersymmetric model. <i>Physical Review B</i> , 1996, 54, 8430-8437.	1.1	15
36	Solution of the classical Yang-Baxter equation with an exotic symmetry, and integrability of a multi-species boson tunnelling model. <i>Nuclear Physics B</i> , 2017, 916, 117-131.	0.9	15

#	ARTICLE	IF	CITATIONS
37	On the construction of integrable closed chains with quantum supersymmetry. Journal of Physics A, 1997, 30, 2483-2487.	1.6	14
38	Integrability and exact solution for coupled BCS systems associated with the $su(4)$ Lie algebra. Nuclear Physics B, 2002, 642, 501-514.	0.9	14
39	Completeness of the Bethe states for the rational, spin-1/2 Richardson-Gaudin system. SciPost Physics, 2017, 3, .	1.5	14
40	Solution of a two-leg spin ladder system. Physical Review B, 2000, 62, 65-68.	1.1	13
41	Title is missing!. Letters in Mathematical Physics, 2002, 60, 275-282.	0.5	13
42	EXACT SOLUTION, SCALING BEHAVIOUR AND QUANTUM DYNAMICS OF A MODEL OF AN ATOM-MOLECULE BOSE-EINSTEIN CONDENSATE. International Journal of Modern Physics B, 2003, 17, 5819-5828.	1.0	13
43	Matrix elements and Wigner coefficients for $Uq[gl(n)]$. Journal of Mathematical Physics, 1992, 33, 1008-1022.	0.5	12
44	The quantum inverse scattering method with anyonic grading. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 465201.	0.7	12
45	A Bethe ansatz study of the ground state energy for the repulsive Bose-Hubbard dimer. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P03013.	0.9	12
46	New quasi-exactly solvable class of generalized isotonic oscillators. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 395305.	0.7	12
47	Exact solution of the p - m Hamiltonian revisited: duality relations in the hole-pair picture. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 374001.	0.7	12
48	Quantum integrable multi-well tunneling models. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 264001.	0.7	12
49	Type-I quantum superalgebras, q -supertrace, and two-variable link polynomials. Journal of Mathematical Physics, 1996, 37, 987.	0.5	11
50	WHERE THE LINKS-COULD INVARIANT FIRST FAILS TO DISTINGUISH NONMUTANT PRIME KNOTS. Journal of Knot Theory and Its Ramifications, 2007, 16, 1021-1041.	0.1	11
51	Bethe ansatz solution of a closed spin 1XXZHeisenberg chain with quantum algebra symmetry. Journal of Mathematical Physics, 1999, 40, 726-735.	0.5	10
52	Solvable models of Bose-Einstein condensates: A new algebraic Bethe ansatz scheme. Journal of Mathematical Physics, 2003, 44, 4690.	0.5	10
53	Integrability of an extended s -wave pairing Hamiltonian. Nuclear Physics B, 2013, 866, 378-390.	0.9	10
54	Infinitely many two-variable generalisations of the Alexander-Conway polynomial. Algebraic and Geometric Topology, 2005, 5, 405-418.	0.1	10

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55	Classification of unitary and grade star irreps for $Uq(\mathfrak{osp}(2\ell-2n))$. Journal of Mathematical Physics, 1995, 36, 531-545.	0.5	9
56	BEC-BCS crossover in a pairing Hamiltonian coupled to bosonic molecular pairs. Nuclear Physics B, 2011, 848, 372-397.	0.9	9
57	Separable and entangled states in the high-spin central spin model. Physical Review B, 2020, 101, .		
58	Entangled states of dipolar bosons generated in a triple-well potential. , 2020, 2, .		9
59	On quantum phase crossovers in finite systems. Journal of Statistical Mechanics: Theory and Experiment, 2006, 2006, P11005-P11005.	0.9	8
60	Integrable model of bosons in a four-well ring with anisotropic tunneling. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 494001.	0.7	8
61	Ground-state energies of the open and closed p - \bar{p} -pairing models from the Bethe Ansatz. Nuclear Physics B, 2018, 937, 28-55.	0.9	8
62	Bethe Ansatz Solutions of the Bose-Hubbard Dimer. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2006, , .	0.5	8
63	Eigenvalues of Casimir invariants of $Uq(\mathfrak{gl}(m/n))$. Journal of Mathematical Physics, 1993, 34, 6016-6024.	0.5	7
64	Integrable anisotropic spin-ladder model. Physical Review B, 2001, 64, .	1.1	7
65	Integrable boundary conditions for a non-Abelian anyon chain with D symmetry. Journal of Mathematical Physics, 2014, 55, 043508.	0.9	7
66	Solutions of the Yang-Baxter equation: Descendants of the six-vertex model from the Drinfeld doubles of dihedral group algebras. Nuclear Physics B, 2011, 847, 387-412.	0.9	7
67	A variational approach for the quantum inverse scattering method. Inverse Problems, 2012, 28, 035008.	1.0	7
68	Multiparameter link invariants from quantum supergroups. Journal of Mathematical Physics, 1994, 35, 1377-1386.	0.5	6
69	Integrable Kondo impurity in one-dimensional q -deformed t - J models. Journal of Physics A, 2001, 34, 8543-8561.	1.6	6
70	The 1D Bose Gas with Weakly Repulsive Delta Interaction. Journal of the Physical Society of Japan, 2005, 74, 53-56.	0.7	6
71	A Bethe ansatz solvable model for superpositions of Cooper pairs and condensed molecular bosons. Nuclear Physics B, 2006, 748, 458-472.	0.9	6
72	Temperley - Lieb algebra and a new integrable electronic model. Journal of Physics A, 1996, 29, L69-L73.	1.6	5

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73	Anisotropic Correlated Electron Model Associated with the Temperley-Lieb Algebra. <i>Modern Physics Letters A</i> , 1997, 12, 1035-1040.	0.5	5
74	Ground-state phase diagram for a system of interacting, non-Abelian anyons. <i>Nuclear Physics B</i> , 2011, 844, 129-145.	0.9	5
75	Ground-state Bethe root densities and quantum phase transitions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 045204.	0.7	5
76	Diagonalization of the braid generator on unitary irreps of quantum supergroups. <i>Letters in Mathematical Physics</i> , 1994, 32, 231-240.	0.5	4
77	General eigenvalue formula for Casimir invariants of type I quantum superalgebras. <i>Journal of Mathematical Physics</i> , 1996, 37, 2426-2456.	0.5	4
78	Extended integrability regime for the supersymmetric model. <i>Journal of Physics A</i> , 1999, 32, L315-L319.	1.6	4
79	Integrable Kondo impurities in one-dimensional extended Hubbard models. <i>Physical Review B</i> , 2000, 62, 4906-4921.	1.1	4
80	Algebraic Bethe ansatz for integrable extended Hubbard models arising from supersymmetric group solutions. <i>Journal of Physics A</i> , 2001, 34, 4459-4474.	1.6	4
81	INTEGRABLE COUPLING IN A MODEL FOR JOSEPHSON TUNNELING BETWEEN NON-IDENTICAL BCS SYSTEMS. <i>International Journal of Modern Physics B</i> , 2002, 16, 2009-2015.	1.0	4
82	EXACT SOLUTION AT INTEGRABLE COUPLING OF A MODEL FOR THE JOSEPHSON EFFECT BETWEEN SMALL METALLIC GRAINS. <i>International Journal of Modern Physics B</i> , 2002, 16, 3429-3438.	1.0	4
83	Bethe ansatz solution of an integrable, non-Abelian anyon chain with symmetry. <i>Nuclear Physics B</i> , 2010, 836, 171-185.	0.9	4
84	Ground-state energy of a Richardson-Gaudin integrable BCS model. , 2020, 2, .		4
85	A q-superdimension formula for irreps of type I quantum superalgebras. <i>Journal of Mathematical Physics</i> , 1996, 37, 484-492.	0.5	3
86	New integrable model of correlated electrons with off-diagonal long-range order from $so(5)$ symmetry. <i>Journal of Physics A</i> , 1999, 32, L441-L445.	1.6	3
87	Transfer matrix eigenvalues of the anisotropic model. <i>Journal of Physics A</i> , 2001, 34, 5835-5862.	1.6	3
88	Energy level statistics for models of coupled single-mode Bose-Einstein condensates. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2004, 2004, P10019.	0.9	3
89	Lax operator for the quantized orthosymplectic superalgebra $U_q[osp(2 n)]$. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006, 2006, P06011-P06011.	0.9	3
90	Universal spectral parameter-dependent Lax operators for the Drinfeld double of the dihedral group D_3 . <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 042002.	0.7	3

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91	Quasi-exactly solvable models derived from the quasi-Gaudin algebra. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 482001.	0.7	3
92	Universal construction of order parameters for translation-invariant quantum lattice systems with symmetry-breaking order. Physical Review E, 2012, 86, 020102.	0.8	3
93	Hopf Algebra Symmetries of an Integrable Hamiltonian for Anyonic Pairing. Axioms, 2012, 1, 226-237.	0.9	3
94	Energy-level crossings and number-parity effects in a bosonic tunneling model. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 145301.	0.6	3
95	Raising and lowering operators for $U_q(\mathfrak{gl}(n))$. Journal of Mathematical Physics, 1993, 34, 1577-1586.	0.5	2
96	BETHE ANSATZ SOLUTION OF THE CLOSED ANISOTROPIC SUPERSYMMETRIC U MODEL WITH QUANTUM SUPERSYMMETRY. Modern Physics Letters A, 2000, 15, 133-143.	0.5	2
97	Integrable variant of the one-dimensional Hubbard model. Journal of Mathematical Physics, 2002, 43, 3445-3457.	0.5	2
98	Integrable impurity spin ladder systems. Journal of Physics A, 2003, 36, 359-370.	1.6	2
99	Eigenvalues of Casimir invariants for $U_q(\mathfrak{osp}(m \xi n))$. Journal of Mathematical Physics, 2005, 46, 123501.	0.5	2
100	Generalized Perk-Schultz models: solutions of the Yang-Baxter equation associated with quantized orthosymplectic superalgebras. Journal of Physics A, 2006, 39, L17-L26.	1.6	2
101	Some spectral equivalences between Schrödinger operators. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 315211.	0.7	2
102	Deconfined quantum criticality and generalized exclusion statistics in a non-Hermitian BCS model. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 462002.	0.7	2
103	Induced module construction for highest-weight representations of $U_q(\mathfrak{gl}(n))$ at roots of unity. Journal of Physics A, 1994, 27, L861-L869.	1.6	1
104	Integrable open supersymmetric U model with boundary impurity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 271, 198-206.	0.9	1
105	A construction for R-matrices without difference property in the spectral parameter. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 265, 194-206.	0.9	1
106	Link Invariants Associated with Gauge Equivalent Solutions of the Yang-Baxter Equation: The One-Parameter Family of Minimal Typical Representations of $U_q(\mathfrak{gl}(2 1))$. Journal of Knot Theory and Its Ramifications, 2003, 12, 739-749.	0.1	1
107	BCS model with asymmetric pair scattering: a non-Hermitian, exactly solvable Hamiltonian exhibiting generalized exclusion statistics. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 305205.	0.7	1
108	Richardson-Gaudin form of Bethe Ansatz solutions for an atomic-molecular Bose-Einstein condensate model. Journal of Physics: Conference Series, 2015, 597, 012068.	0.3	1

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109	Extended Calogero models: a construction for exactly solvable kN-body systems. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 455203.	0.7	1
110	Exact ground-state correlation functions of an atomic-molecular Bose-Einstein condensate model. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 095302.	0.6	1
111	The Yang-Baxter paradox. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 254001.	0.7	1
112	Baxterization of the matrix for the adjoint representation of $U_q[D(2, 1; ?)]$. Letters in Mathematical Physics, 1993, 27, 51-58.	0.5	0
113	Invariants for quantum supergroups and some applications. Bulletin of the Australian Mathematical Society, 1994, 49, 347-348.	0.3	0
114	Reply to comment on "Integrable Kondo impurity in one-dimensional q-deformed t-J models". Journal of Physics A, 2002, 35, 6197-6201.	1.6	0
115	Integrable generalized spin ladder models based on the $SU(1 3)$ and $SU(3 1)$ algebras. Journal of Mathematical Physics, 2003, 44, 6032.	0.5	0
116	AN ALGEBRAIC APPROACH TO SYMMETRIC PRE-MONOIDAL STATISTICS. Journal of Algebra and Its Applications, 2007, 06, 49-69.	0.3	0
117	Lax Operator for the Quantised Orthosymplectic Superalgebra $U_q[\mathfrak{osp}(m n)]$. Algebras and Representation Theory, 2007, 10, 593-617.	0.4	0
118	INTEGRABLE COUPLING IN A MODEL FOR JOSEPHSON TUNNELING BETWEEN NON-IDENTICAL BCS SYSTEMS. , 2002, , .		0
119	Ground-State Analysis for an Exactly Solvable Coupled-Spin Hamiltonian. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	0