

Jorge Dukelsky

List of Publications by Year in descending order

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1843
citing authors

#	ARTICLE	IF	CITATIONS
1	Colloquium: Exactly solvable Richardson-Gaudin models for many-body quantum systems. Reviews of Modern Physics, 2004, 76, 643-662.	16.4	334
2	Exactly-solvable models derived from a generalized Gaudin algebra. Nuclear Physics B, 2005, 707, 421-457.	0.9	146
3	Class of Exactly Solvable Pairing Models. Physical Review Letters, 2001, 87, 066403.	2.9	140
4	Entanglement in a first-order quantum phase transition. Physical Review A, 2004, 69, .	1.0	137
5	Equivalence of the variational matrix product method and the density matrix renormalization group applied to spin chains. Europhysics Letters, 1998, 43, 457-462.	0.7	134
6	Neutron-proton correlations in an exactly solvable model. Physical Review C, 1997, 55, 1781-1788.	1.1	129
7	Density Matrix Renormalization Group Study of Ultrasmall Superconducting Grains. Physical Review Letters, 1999, 83, 172-175.	2.9	104
8	Density matrix embedding from broken symmetry lattice mean fields. Physical Review B, 2014, 89, .	1.1	103
9	Excited-state phase transition and onset of chaos in quantum optical models. Physical Review E, 2011, 83, 046208.	0.8	97
10	Generalized Brückner-Hartree-Fock theory and self-consistent RPA. Nuclear Physics A, 1998, 628, 17-40.	0.6	93
11	Towards a variational theory for RPA-like correlations and fluctuations. Nuclear Physics A, 1990, 512, 466-482.	0.6	88
12	Quasiparticle coupled cluster theory for pairing interactions. Physical Review C, 2014, 89, .	1.1	88
13	Quantum quench influenced by an excited-state phase transition. Physical Review A, 2011, 83, .	1.0	84
14	Exact study of the effect of level statistics in ultrasmall superconducting grains. Physical Review B, 2000, 61, R11890-R11893.	1.1	83
15	Large-N limit of the exactly solvable BCS model: analytics versus numerics. Nuclear Physics B, 2002, 634, 483-510.	0.9	83
16	Hierarchical mean-field approach to the J_1 model on a square lattice. Physical Review B, 2009, 79, .	1.1	81
17	Quantum phase diagram of the integrable p - x superfluid. Physical Review B, 2010, 82, .	1.1	78
18	BCS-to-BEC crossover from the exact BCS solution. Physical Review A, 2005, 72, .	1.0	73

#	ARTICLE	IF	CITATIONS
19	Many-Body Characterization of Particle-Conserving Topological Superfluids. Physical Review Letters, 2014, 113, 267002.	2.9	72
20	U(5)-O(6) transition in the interacting boson model and the E(5) critical point symmetry. Physical Review C, 2003, 68, .	1.1	71
21	Decoherence as a signature of an excited-state quantum phase transition. Physical Review A, 2008, 78, .	1.0	65
22	Exactly Solvable Models for Atom-Molecule Hamiltonians. Physical Review Letters, 2004, 93, 050403.	2.9	63
23	A self-consistent description of systems with many interacting bosons. Nuclear Physics A, 1984, 425, 93-119.	0.6	62
24	Density Matrix Renormalization Group Approach for Many-Body Open Quantum Systems. Physical Review Letters, 2006, 97, 110603.	2.9	62
25	Solving the Richardson equations for fermions. Physical Review C, 2004, 69, .	1.1	58
26	Quartet condensation and isovector pairing correlations in $N < Z$ nuclei. Physical Review C, 2012, 85, .	1.1	58
27	Crossover from bulk to few-electron limit in ultrasmall metallic grains. Physical Review B, 2000, 61, 12302-12314.	1.1	56
28	Fermion condensation and non Fermi liquid behavior in a model with long range forces. Zeitschrift für Physik B-Condensed Matter, 1997, 102, 245-254.	1.1	54
29	Quantum Phase Transitions in the Interacting Boson Model: Integrability, Level Repulsion, and Level Crossing. Physical Review Letters, 2003, 91, 162502.	2.9	54
30	Decoherence due to an excited-state quantum phase transition in a two-level boson model. Physical Review A, 2009, 80, .	1.0	54
31	Polynomial similarity transformation theory: A smooth interpolation between coupled cluster doubles and projected BCS applied to the reduced BCS Hamiltonian. Physical Review B, 2016, 93, .	1.1	53
32	Condensate Fragmentation in a New Exactly Solvable Model for Confined Bosons. Physical Review Letters, 2001, 86, 4207-4210.	2.9	52
33	Self consistent RPA for superfluid Fermi systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 233-238.	1.5	51
34	Electrostatic Mapping of Nuclear Pairing. Physical Review Letters, 2002, 88, 062501.	2.9	51
35	Phase Diagram of the Proton-Neutron Interacting Boson Model. Physical Review Letters, 2004, 93, 212501.	2.9	48
36	Exact Solution of the Isovector Neutron-Proton Pairing Hamiltonian. Physical Review Letters, 2006, 96, 072503.	2.9	48

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37	Fully Self-Consistent RPA Description of the Many Level Pairing Model. Annals of Physics, 2002, 296, 187-213.	1.0	47
38	The density matrix renormalization group for finite fermi systems. Reports on Progress in Physics, 2004, 67, 513-552.	8.1	45
39	Exactly solvable pairing Hamiltonian for heavy nuclei. Physical Review C, 2011, 84, .	1.1	43
40	Two-level interacting boson models beyond the mean field. Physical Review C, 2007, 75, .	1.1	41
41	Advanced density matrix renormalization group method for nuclear structure calculations. Physical Review C, 2015, 92, .	1.1	39
42	Continuous unitary transformations in two-level boson systems. Physical Review C, 2005, 72, .	1.1	38
43	Scalar two-level boson model to study the interacting boson model phase diagram in the Casten triangle. Physical Review C, 2006, 73, .	1.1	38
44	Isovector neutron-proton pairing with particle number projected BCS. Physical Review C, 2009, 80, .	1.1	38
45	s-d-g Boson model description of the collective $K = 1+$ mode in deformed nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 144, 145-150.	1.5	37
46	Density matrix renormalization group method and large-scale nuclear shell-model calculations. Physical Review C, 2002, 65, .	1.1	36
47	Phase ambiguities in the $O(6)$ limit of the interacting boson model. Physical Review C, 1985, 31, 671-673.	1.1	34
48	Boson-fermion pairing in a boson-fermion environment. Physical Review A, 2005, 71, .	1.0	34
49	New Mechanism for the Enhancement of s - d Dominance in Interacting Boson Models. Physical Review Letters, 2001, 86, 4791-4794.	2.9	33
50	Density matrix renormalization group approach to two-fluid open many-fermion systems. Physical Review C, 2009, 79, .	1.1	33
51	Comparison between exact and approximate treatments of the pairing interaction for finite Fermi systems. Nuclear Physics A, 2003, 714, 63-74.	0.6	32
52	\hat{T}^2 potential at the $U(5) \leftrightarrow O(6)$ critical point of the interacting boson model. Physical Review C, 2005, 72, .	1.1	32
53	Exact Solution of the Spin-Isospin Proton-Neutron Pairing Hamiltonian. Physical Review Letters, 2007, 99, 032501.	2.9	32
54	Repulsive interactions in quantum Hall systems as a pairing problem. Physical Review B, 2013, 88, .	1.1	32

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55	Finite-size scaling exponents in the interacting boson model. <i>Physical Review C</i> , 2005, 72, .	1.1	31
56	Cooper pairs in atomic nuclei. <i>Physical Review C</i> , 2007, 76, .	1.1	30
57	Merging symmetry projection methods with coupled cluster theory: Lessons from the Lipkin model Hamiltonian. <i>Journal of Chemical Physics</i> , 2017, 146, 054110.	1.2	30
58	Self-consistent random phase approximation within the O(5) model and Fermi transitions. <i>Nuclear Physics A</i> , 1998, 637, 295-324.	0.6	29
59	Integrable Models for Asymmetric Fermi Superfluids: Emergence of a New Exotic Pairing Phase. <i>Physical Review Letters</i> , 2006, 96, 180404.	2.9	29
60	Solving the Richardson equations close to the critical points. <i>Journal of Physics A</i> , 2006, 39, 11349-11360.	1.6	29
61	Dimer-hole-RVB state of the two-leg ladder: A recurrent variational ansatz. <i>Physical Review B</i> , 1998, 57, 11666-11673.	1.1	28
62	The self consistent RPA in a many level pairing model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 464, 164-168.	1.5	28
63	Bosons confined in optical lattices: The numerical renormalization group revisited. <i>Physical Review A</i> , 2004, 69, .	1.0	27
64	The structure of the S and D pairs of the interacting Boson Model from the Hartree-Fock-Bogolyubov approximation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 128, 9-14.	1.5	26
65	Restoration of the Ikeda sum rule in self-consistent quasiparticle random-phase approximation. <i>Physical Review C</i> , 1997, 55, 2340-2344.	1.1	25
66	The matrix product approach to quantum spin ladders. <i>Journal of Physics A</i> , 1998, 31, 9729-9759.	1.6	25
67	Elementary excitations of the BCS model in the canonical ensemble. <i>Physical Review B</i> , 2003, 67, .	1.1	25
68	The Lipkin-Meshkov-Glick model as a particular limit of the $SU(2)$ spin-1 model. <i>Physical Review B</i> , 2013, 87, 041101.	0.9	25
69	Phase diagram of the 2-leg Heisenberg ladder with alternating dimerization. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998, 250, 430-434.	0.9	24
70	New approach to large-scale nuclear structure calculations. <i>Physical Review C</i> , 2001, 63, .	1.1	24
71	Breached pairing in trapped three-color atomic Fermi gases. <i>Physical Review A</i> , 2009, 79, .	1.0	24
72	Self-consistent random phase approximation: Application to the Hubbard model for finite number of sites. <i>Physical Review B</i> , 2005, 71, .	1.1	23

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73	Diagonal ladders: A class of models for strongly coupled electron systems. Physical Review B, 1999, 59, 7973-7989.	1.1	22
74	Stringent numerical test of the Poisson distribution for finite quantum integrable Hamiltonians. Physical Review E, 2004, 70, 026208.	0.8	22
75	Composite Boson Mapping for Lattice Boson Systems. Physical Review Letters, 2013, 111, 045701.	2.9	22
76	Self-consistent random phase approximation and the restoration of symmetries within the three-level Lipkin model. Physical Review C, 2005, 72, .	1.1	21
77	Equation of Motion Method for strongly correlated Fermi systems and Extended RPA approaches. Physics Reports, 2021, 929, 1-84.	10.3	21
78	The ground state of deformed nuclei as a boson condensate. Nuclear Physics A, 1982, 373, 267-288.	0.6	20
79	Local Physics of Magnetization Plateaux in the Shastry-Sutherland Model. Physical Review Letters, 2009, 103, 177201.	2.9	20
80	Quantum phase transitions of atom-molecule Bose mixtures in a double-well potential. Physical Review E, 2014, 90, 042139.	0.8	19
81	The nucleus as a condensate of collective quark triplets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 185-190.	1.5	18
82	The fermion SO(8) model and its connection with an IBM-4 with $L=0$ bosons. Journal of Physics G: Nuclear and Particle Physics, 1998, 24, 1261-1276.	1.4	18
83	Pair fluctuations in ultra-small Fermi systems within self-consistent RPA at finite temperature. Annals of Physics, 2003, 307, 308-334.	1.0	17
84	Commensurability Effects for Fermionic Atoms Trapped in 1D Optical Lattices. Physical Review Letters, 2007, 99, 080404.	2.9	17
85	Cranked Hartree approximation for systems with many interacting bosons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 130, 123-126.	1.5	16
86	Mean-field approximation and the collective transformation for Dyson boson hamiltonians. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 197, 479-483.	1.5	16
87	Integrable two-channel $p+ip$ model of a superfluid. Physical Review B, 2011, 84, .	1.6	16
88	Chiral phases of two-dimensional hard-core bosons with frustrated ring exchange. Physical Review B, 2014, 89, .	1.1	16
89	The amplitudes of s and d bosons in deformed nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 100, 367-370.	1.5	15
90	Boson mapping of one-body operators in deformed nuclei. Nuclear Physics A, 1986, 456, 75-88.	0.6	15

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91	VARIATIONAL RANDOM PHASE APPROXIMATION FOR THE ANHARMONIC OSCILLATOR. Modern Physics Letters A, 1991, 06, 2429-2435.	0.5	15
92	Crystallization of trions in SU(3) cold-atom gases trapped in optical lattices. Physical Review A, 2009, 80, .	1.0	15
93	Competition between normal superfluidity and Larkin-Ovchinnikov phases of polarized Fermi gases in elongated traps. Physical Review A, 2010, 82, .	1.0	15
94	Structure of the number-projected BCS wave function. Physical Review C, 2016, 93, .	1.1	15
95	The RPA calculation of bandhead energies in many-boson systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 129, 1-4.	1.5	14
96	Evidence of g-bosons in the Ra218 spectrum. Physical Review C, 1983, 28, 2183-2185.	1.1	14
97	Variational reduced density matrix method in the doubly occupied configuration interaction space using three-particle $\langle i \rangle N \langle i \rangle$ -representability conditions. Journal of Chemical Physics, 2018, 149, 194105.	1.2	14
98	An interacting quartet-boson model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 115, 359-362.	1.5	13
99	Boson mapping of particle-particle operators in deformed nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 177, 125-129.	1.5	13
100	Boson expansions for systems of interacting bosons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 219, 5-9.	1.5	13
101	Proton-neutron self-consistent quasiparticle random phase approximation within the O(5) model. Physical Review C, 2000, 62, .	1.1	13
102	Excited-state quantum phase transitions in the two-spin elliptic Gaudin model. Physical Review E, 2016, 94, 052110.	0.8	13
103	Variational reduced density matrix method in the doubly-occupied configuration interaction space using four-particle $\langle i \rangle N \langle i \rangle$ -representability conditions: Application to the XXZ model of quantum magnetism. Journal of Chemical Physics, 2019, 151, 154104.	1.2	13
104	Phase transitions in light nuclei. Physical Review C, 1991, 44, 2872-2874.	1.1	12
105	Decoherence induced by an interacting spin environment in the transition from integrability to chaos. Physical Review E, 2007, 76, 046223.	0.8	12
106	The phase diagram of the Heisenberg antiferromagnet with four-spin interactions. Journal of Physics Condensed Matter, 2010, 22, 016006.	0.7	12
107	Staircase of crystal phases of hard-core bosons on the kagome lattice. Physical Review B, 2016, 94, .	1.1	12
108	Benchmarking the Variational Reduced Density Matrix Theory in the Doubly Occupied Configuration Interaction Space with Integrable Pairing Models. Journal of Chemical Theory and Computation, 2018, 14, 4183-4192.	2.3	12

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109	Combining symmetry collective states with coupled-cluster theory: Lessons from the Agassi model Hamiltonian. <i>Physical Review C</i> , 2017, 95, .	1.1	11
110	Comparison between semiclassical and classical descriptions of the collectiveM1mode in the interacting boson model. <i>Physical Review C</i> , 1985, 32, 335-337.	1.1	10
111	Exactly solvable models of proton and neutron interacting bosons. <i>Physical Review C</i> , 2006, 74, .	1.1	10
112	Comment on "Polynomial-Time Simulation of Pairing Models on a Quantum Computer": <i>Physical Review Letters</i> , 2003, 90, 249803; discussion 249804.	2.9	9
113	From integrability to chaos in quantum Liouvillians. <i>SciPost Physics Core</i> , 2022, 5, .	0.9	9
114	Validity of the self-consistent cranking approximation in the SU(3)-U(5) phase transition. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 162, 203-207.	1.5	8
115	Two-level bosonic model that simulates the transition from a superconductive condensate to an alpha cluster condensate. <i>Physical Review C</i> , 1989, 40, 2361-2370.	1.1	8
116	Seniority based energy renormalization group (Î©-ERG) approach in quantum chemistry: Initial formulation and application to potential energy surfaces. <i>Computational and Theoretical Chemistry</i> , 2018, 1141, 74-88.	1.1	8
117	Iterative boson expansion procedure for fermion systems. <i>Physical Review C</i> , 1989, 39, 2001-2007.	1.1	7
118	Consistent baryon mapping of quark systems. <i>Physical Review C</i> , 1994, 50, 423-434.	1.1	7
119	Unexpected features of quantum degeneracies in a pairing model with two integrable limits. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, L07001.	0.9	7
120	Number conserving particle-hole RPA for superfluid nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 795, 537-541.	1.5	7
121	Two correlated quasiparticles states in the principal series approximation. <i>Physical Review C</i> , 1983, 27, 2954-2967.	1.1	6
122	The Lipkin-Meshkov-Glick model from the perspective of theSU(1,1) Richardson-Gaudin models. <i>Journal of Physics: Conference Series</i> , 2014, 492, 012013.	0.3	6
123	Phase diagram of an extended Agassi model. <i>Physical Review C</i> , 2018, 97, .	1.1	6
124	Variational determination of the two-particle reduced density matrix within the doubly occupied configuration interaction space: exploiting translational and reflection invariance. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 013110.	0.9	6
125	Trigonometric SU(N) Richardson" Gaudin models and dissipative multi-level atomic systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 395302.	0.7	6
126	Generalized Holstein-Primakoff images of fermion operators. <i>Nuclear Physics A</i> , 1992, 539, 391-402.	0.6	5

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127	Occupation numbers in Self Consistent RPA. European Physical Journal A, 2000, 7, 155-165.	1.0	5
128	EXACTLY SOLVABLE PROTON-NEUTRON PAIRING HAMILTONIANS AND QUARTET CORRELATIONS. International Journal of Modern Physics E, 2008, 17, 2155-2159.	0.4	5
129	Comment on "Spectral Signatures of the Fulde-Ferrell-Larkin-Ovchinnikov Order Parameter in One-Dimensional Optical Lattices", Physical Review Letters, 2009, 102, 168901; discussion 168902.	2.9	5
130	Disentangling phase transitions and critical points in the proton-neutron interacting boson model by catastrophe theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 333-338.	1.5	5
131	Proton-neutron pairing and alpha-type quartet condensation in nuclei. Journal of Physics: Conference Series, 2014, 533, 012018.	0.3	5
132	Variational theory combining number-projected BCS and coupled-cluster doubles. Physical Review C, 2021, 103, .	1.1	5
133	Exceptional spectral phase in a dissipative collective spin model. Physical Review A, 2022, 106, .	1.0	5
134	Application of the density matrix renormalization group to the two level pairing model. Physical Review C, 1999, 59, R3005-R3008.	1.1	4
135	THE ELEMENTARY EXCITATIONS OF THE BCS MODEL IN THE CANONICAL ENSEMBLE. International Journal of Modern Physics A, 2004, 19, 381-395.	0.5	4
136	Exactly solvable Richardson-Gaudin models and their applications. Physica Scripta, 2006, T125, 91-93.	1.2	4
137	Comment on "Quantum phase transition in the four-spin exchange antiferromagnet", Physical Review B, 2010, 82, .	1.1	4
138	Solution of a pairing problem in the continuum. Physical Review C, 2017, 95, .	1.1	4
139	Variational determination of ground and excited-state two-electron reduced density matrices in the doubly occupied configuration space: A dispersion operator approach. Journal of Chemical Physics, 2021, 154, 224104.	1.2	4
140	Separable interactions and excited states in open-shell nuclei. Journal of Physics G: Nuclear Physics, 1982, 8, L191-L196.	0.8	3
141	Self-consistent picture of the interplay of quadrupole and octupole degrees of freedom in many-boson systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 158, 361-365.	1.5	3
142	HFB in a restricted space. Journal of Physics G: Nuclear Physics, 1985, 11, L91-L96.	0.8	3
143	Inertial parameters in the interacting boson-fermion approximation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 182, 116-120.	1.5	3
144	A new collective excitation: The F-spin-vector, gamma-vibration. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 234, 425-429.	1.5	3

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145	Boson mappings applied to the two-color delta model. <i>Physical Review C</i> , 1992, 45, 1871-1880.	1.1	3
146	Nuclear medium effects on the size of the nucleon valence quark distribution. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1995, 21, 317-330.	1.4	3
147	Hartree-Bose mean-field approximation for the interacting boson model (IBM-3). <i>Physical Review C</i> , 1998, 57, R479-R483.	1.1	3
148	Self-consistent random phase approximation in a schematic field theoretical model. <i>Physical Review C</i> , 2001, 63, .	1.1	3
149	THE EXACTLY SOLVABLE RICHARDSON MODEL IN THE BCS-to-BEC CROSSOVER. <i>International Journal of Modern Physics E</i> , 2006, 15, 324-332.	0.4	3
150	Pairing in 4-component fermion systems: The bulk limit of SU(4)-symmetric Hamiltonians. <i>Annals of Physics</i> , 2010, 325, 1340-1348.	1.0	3
151	Comment on "Fermi-Bose Mixtures near Broad Interspecies Feshbach Resonances", <i>Physical Review Letters</i> , 2011, 106, 129601.	2.9	3
152	The elliptic Gaudin model: a numerical study. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 475303.	0.7	3
153	Baryon mappings applied to the three-color delta model. <i>Physical Review C</i> , 1995, 52, 2131-2143.	1.1	2
154	EXACT BCS SOLUTION IN THE BCS-BEC CROSSOVER. <i>International Journal of Modern Physics B</i> , 2006, 20, 5179-5188.	1.0	2
155	EXACTLY SOLVABLE PAIRING HAMILTONIANS. <i>International Journal of Modern Physics E</i> , 2007, 16, 210-221.	0.4	2
156	Pairing and alpha-like quartet condensation in N = Z nuclei. <i>Journal of Physics: Conference Series</i> , 2011, 321, 012001.	0.3	2
157	Integrable Richardson-Gaudin models in mesoscopic physics. <i>Journal of Physics: Conference Series</i> , 2012, 338, 012023.	0.3	2
158	Composite fermion-boson mapping for fermionic lattice models. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 455601.	0.7	2
159	An extended Agassi model: algebraic structure, phase diagram, and large size limit. <i>Physica Scripta</i> , 2019, 94, 044003.	1.2	2
160	Integrable model of topological SO(5) superfluidity. <i>Physical Review B</i> , 2021, 104, .	1.1	2
161	Constrained Hartree approximation for systems with many interacting bosons. <i>Journal of Physics G: Nuclear Physics</i> , 1985, 11, L163-L168.	0.8	1
162	Fermion mapping of boson-fermion pairs. <i>Physical Review C</i> , 1990, 42, 2030-2033.	1.1	1

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163	Iterative boson expansions and mean-field approximations for boson systems. Nuclear Physics A, 1992, 537, 13-44.	0.6	1
164	Brueckner correlations following a boson mapping of the two-color delta model. Physical Review C, 1996, 53, 3088-3096.	1.1	1
165	Valence bond mapping of antiferromagnetic spin chains. Physical Review B, 1997, 56, 10770-10773.	1.1	1
166	SOME NEW PERSPECTIVES ON PAIRING IN NUCLEI. , 2003, , .		1
167	Exactly solvable models for trapped boson systems. Optics Communications, 2004, 243, 131-143.	1.0	1
168	RANK-TWO RICHARDSON-GAUDIN MODELS. International Journal of Modern Physics E, 2006, 15, 1665-1679.	0.4	1
169	Exact Solutions for Pairing Interactions. , 2013, , 200-211.		1
170	Exactly solvable pairing models in nuclear and mesoscopic physics. Journal of Physics: Conference Series, 2014, 533, 012057.	0.3	1
171	Integrable model of a p-wave bosonic superfluid. Physical Review Research, 2019, 1, .	1.3	1
172	Three-body forces in the SO(8) model. Physical Review C, 1989, 39, 697-698.	1.1	0
173	Beta-vibrations in O(6)-nuclei: A pair mode?. Zeitschrift für Physik A, Atomic Nuclei, 1989, 333, 15-18.	0.3	0
174	Comparison between two variational approaches for non-Hermitian boson Hamiltonians. Physical Review C, 1994, 50, 1932-1935.	1.1	0
175	On the use of baryon mappings to derive nuclei from quarks. AIP Conference Proceedings, 1995, , .	0.3	0
176	A hartree-bose mean-field approximation for IBM-3. European Physical Journal D, 1998, 48, 703-706.	0.4	0
177	Intrinsic state for an extended version of the interacting boson model. Physical Review C, 2000, 61, .	1.1	0
178	Exactly Solvable Models Based on the Pairing Interaction. AIP Conference Proceedings, 2002, , .	0.3	0
179	Reply to the Comment by P. McCulloch and M. Gulácsi on "Equivalence of the variational matrix product method and the density matrix renormalization group applied to spin chains". Europhysics Letters, 2003, 61, 140-141.	0.7	0
180	Critical points in the Interacting Boson Model. AIP Conference Proceedings, 2004, , .	0.3	0

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181	New Generalizations of the Richardson-Gaudin Models. AIP Conference Proceedings, 2004, , .	0.3	0
182	EXACT BCS SOLUTION IN THE BCS-BEC CROSSOVER. , 2006, , .		0
183	The Density Matrix Renormalization Group and Nuclear Structure. AIP Conference Proceedings, 2006, , .	0.3	0
184	Publisher's Note: Comment on "Spectral Signatures of the Fulde-Ferrell-Larkin-Ovchinnikov Order Parameter in One-Dimensional Optical Lattices" [Phys. Rev. Lett. 102 , 168901 (2009)]. Physical Review Letters, 2009, 102, .	2.9	0
185	COALESCENCE OF TWO EXCEPTIONAL POINTS IN THE ANTI-HERMITIAN 3-LEVEL PAIRING MODEL. International Journal of Modern Physics E, 2009, 18, 2030-2034.	0.4	0
186	Decoherence as a Signature of an Excited State Quantum Phase Transition in Two Level Boson Systems. , 2009, , .		0
187	Connection between decoherence and excited state quantum phase transitions. , 2010, , .		0
188	Richardson-Gaudin models: the hyperbolic family. Journal of Physics: Conference Series, 2011, 321, 012021.	0.3	0
189	New realizations of the Richardson-Gaudin models in nuclear physics: The hyperbolic model. , 2012, , .		0
190	Decoherence and quantum quench: Their relationship with excited state quantum phase transitions. , 2012, , .		0
191	Excited state quantum phase transitions and chaos in the Dicke model. , 2012, , .		0
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