

# Jorge Dukelsky

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	From integrability to chaos in quantum Liouvillians. <i>SciPost Physics Core</i> , 2022, 5, .	0.9	9
2	Exceptional spectral phase in a dissipative collective spin model. <i>Physical Review A</i> , 2022, 106, .	1.0	5
3	Variational theory combining number-projected BCS and coupled-cluster doubles. <i>Physical Review C</i> , 2021, 103, .	1.1	5
4	Variational determination of ground and excited-state two-electron reduced density matrices in the doubly occupied configuration space: A dispersion operator approach. <i>Journal of Chemical Physics</i> , 2021, 154, 224104.	1.2	4
5	Integrable model of topological SO(5) superfluidity. <i>Physical Review B</i> , 2021, 104, .	1.1	2
6	Equation of Motion Method for strongly correlated Fermi systems and Extended RPA approaches. <i>Physics Reports</i> , 2021, 929, 1-84.	10.3	21
7	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
8	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
9	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
10	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. <i>Journal of Chemical Physics</i> , 2019, 151, 154104.	1.2	13
11	An extended Agassi model: algebraic structure, phase diagram, and large size limit. <i>Physica Scripta</i> , 2019, 94, 044003.	1.2	2
12	Integrable model of a p-wave bosonic superfluid. <i>Physical Review Research</i> , 2019, 1, .	1.3	1
13	Phase diagram of an extended Agassi model. <i>Physical Review C</i> , 2018, 97, .	1.1	6
14	Variational reduced density matrix method in the doubly occupied configuration interaction space using three-particle $\langle i \rangle N \langle /i \rangle$ -representability conditions. <i>Journal of Chemical Physics</i> , 2018, 149, 194105.	1.2	14
15	Benchmarking the Variational Reduced Density Matrix Theory in the Doubly Occupied Configuration Interaction Space with Integrable Pairing Models. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 4183-4192.	2.3	12
16	Seniority based energy renormalization group ( $\hat{I}\odot$ -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
17	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
18	Solution of a pairing problem in the continuum. <i>Physical Review C</i> , 2017, 95, .	1.1	4

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19	Combining symmetry collective states with coupled-cluster theory: Lessons from the Agassi model Hamiltonian. <i>Physical Review C</i> , 2017, 95, .	1.1	11
20	Polynomial similarity transformation theory: A smooth interpolation between coupled cluster doubles and projected BCS applied to the reduced BCS Hamiltonian. <i>Physical Review B</i> , 2016, 93, .	1.1	53
21	Structure of the number-projected BCS wave function. <i>Physical Review C</i> , 2016, 93, .	1.1	15
22	Staircase of crystal phases of hard-core bosons on the kagome lattice. <i>Physical Review B</i> , 2016, 94, .	1.1	12
23	Excited-state quantum phase transitions in the two-spin elliptic Gaudin model. <i>Physical Review E</i> , 2016, 94, 052110.	0.8	13
24	Advanced density matrix renormalization group method for nuclear structure calculations. <i>Physical Review C</i> , 2015, 92, .	1.1	39
25	The elliptic Gaudin model: a numerical study. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 475303.	0.7	3
26	Improvement to the Projected BCS Approximation. <i>Journal of Physics: Conference Series</i> , 2015, 639, 012009.	0.3	0
27	The Lipkin-Meshkov-Glick model from the perspective of the $SU(1,1)$ Richardson-Gaudin models. <i>Journal of Physics: Conference Series</i> , 2014, 492, 012013.	0.3	6
28	Many-Body Characterization of Particle-Conserving Topological Superfluids. <i>Physical Review Letters</i> , 2014, 113, 267002.	2.9	72
29	Composite fermion-boson mapping for fermionic lattice models. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 455601.	0.7	2
30	Chiral phases of two-dimensional hard-core bosons with frustrated ring exchange. <i>Physical Review B</i> , 2014, 89, .	1.1	16
31	Density matrix embedding from broken symmetry lattice mean fields. <i>Physical Review B</i> , 2014, 89, .	1.1	103
32	Quantum phase transitions of atom-molecule Bose mixtures in a double-well potential. <i>Physical Review E</i> , 2014, 90, 042139.	0.8	19
33	Disentangling phase transitions and critical points in the proton-neutron interacting boson model by catastrophe theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 736, 333-338.	1.5	5
34	Quasiparticle coupled cluster theory for pairing interactions. <i>Physical Review C</i> , 2014, 89, .	1.1	88
35	Exactly solvable pairing models in nuclear and mesoscopic physics. <i>Journal of Physics: Conference Series</i> , 2014, 533, 012057.	0.3	1
36	Proton-neutron pairing and alpha-type quartet condensation in nuclei. <i>Journal of Physics: Conference Series</i> , 2014, 533, 012018.	0.3	5

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37	The spin-Meshbov-Glick model as a particular limit of the $SU(1 1)$ model. Physical Review B, 2013, 87, 041101. <a href="#">arXiv:1212.4443</a>	0.9	25
38	Exact Solutions for Pairing Interactions. , 2013, , 200-211.		1
39	Repulsive interactions in quantum Hall systems as a pairing problem. Physical Review B, 2013, 88, .	1.1	32
40	Composite Boson Mapping for Lattice Boson Systems. Physical Review Letters, 2013, 111, 045701.	2.9	22
41	A beyond mean field study of Bose gases in a double-well potential with a Feshbach resonance. , 2013, , .		0
42	New realizations of the Richardson-Gaudin models in nuclear physics: The hyperbolic model. , 2012, , .		0
43	Decoherence and quantum quench: Their relationship with excited state quantum phase transitions. , 2012, , .		0
44	Excited state quantum phase transitions and chaos in the Dicke model. , 2012, , .		0
45	Quartet condensation and isovector pairing correlations in $N=Z$ nuclei. Physical Review C, 2012, 85, .	1.1	58
46	Isovector pairing and quartet condensation in $N=Z$ nuclei. AIP Conference Proceedings, 2012, , .	0.3	0
47	Integrable Richardson-Gaudin models in mesoscopic physics. Journal of Physics: Conference Series, 2012, 338, 012023.	0.3	2
48	Richardson-Gaudin models: the hyperbolic family. Journal of Physics: Conference Series, 2011, 321, 012021.	0.3	0
49	Pairing and alpha-like quartet condensation in $N = Z$ nuclei. Journal of Physics: Conference Series, 2011, 321, 012001.	0.3	2
50	Exactly solvable pairing Hamiltonian for heavy nuclei. Physical Review C, 2011, 84, .	1.1	43
51	Quantum quench influenced by an excited-state phase transition. Physical Review A, 2011, 83, .	1.0	84
52	Comment on "Fermi-Bose Mixtures near Broad Interspecies Feshbach Resonances". Physical Review Letters, 2011, 106, 129601.	2.9	3
53	Integrable two-channel $p$ - $x$ model of a superfluid. Physical Review B, 2011, 84, .	1.1	16
54	Excited-state phase transition and onset of chaos in quantum optical models. Physical Review E, 2011, 83, 046208.	0.8	97

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55	Connection between decoherence and excited state quantum phase transitions. , 2010, , .		0
56	Competition between normal superfluidity and Larkin-Ovchinnikov phases of polarized Fermi gases in elongated traps. Physical Review A, 2010, 82, .	1.0	15
57	Pairing in 4-component fermion systems: The bulk limit of SU(4)-symmetric Hamiltonians. Annals of Physics, 2010, 325, 1340-1348.	1.0	3
58	Quantum phase diagram of the integrable $p + ix$ superfluid. Physical Review B, 2010, 82, .	1.1	78
59	The phase diagram of the Heisenberg antiferromagnet with four-spin interactions. Journal of Physics Condensed Matter, 2010, 22, 016006.	0.7	12
60	Comment on "Quantum phase transition in the four-spin exchange antiferromagnet". Physical Review B, 2010, 82, .	1.1	4
61	Decoherence due to an excited-state quantum phase transition in a two-level boson model. Physical Review A, 2009, 80, .	1.0	54
62	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
63	Publisher's Note: Comment on "Spectral Signatures of the Fulde-Ferrell-Larkin-Ovchinnikov Order Parameter in One-Dimensional Optical Lattices" [Phys. Rev. Lett. 102 (2009)]. Physical Review Letters, 2009, 102, .	2.9	0
64	Breached pairing in trapped three-color atomic Fermi gases. Physical Review A, 2009, 79, .	1.0	24
65	Local Physics of Magnetization Plateaux in the Shastry-Sutherland Model. Physical Review Letters, 2009, 103, 177201.	2.9	20
66	Isovector neutron-proton pairing with particle number projected BCS. Physical Review C, 2009, 80, .	1.1	38
67	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
68	Crystallization of trions in SU(3) cold-atom gases trapped in optical lattices. Physical Review A, 2009, 80, .	1.0	15
69	Density matrix renormalization group approach to two-fluid open many-fermion systems. Physical Review C, 2009, 79, .	1.1	33
70	Hierarchical mean-field approach to the $J > 1$ model on a square lattice. Physical Review B, 2009, 79, .	1.1	81
71	Decoherence as a Signature of an Excited State Quantum Phase Transition in Two Level Boson Systems. , 2009, , .		0
72	Unexpected features of quantum degeneracies in a pairing model with two integrable limits. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, L07001.	0.9	7

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73	EXACTLY SOLVABLE PROTON-NEUTRON PAIRING HAMILTONIANS AND QUARTET CORRELATIONS. International Journal of Modern Physics E, 2008, 17, 2155-2159.	0.4	5
74	Decoherence as a signature of an excited-state quantum phase transition. Physical Review A, 2008, 78, .	1.0	65
75	EXACTLY SOLVABLE PAIRING HAMILTONIANS. International Journal of Modern Physics E, 2007, 16, 210-221.	0.4	2
76	Cooper pairs in atomic nuclei. Physical Review C, 2007, 76, .	1.1	30
77	Exact Solution of the Spin-Isospin Proton-Neutron Pairing Hamiltonian. Physical Review Letters, 2007, 99, 032501.	2.9	32
78	Decoherence induced by an interacting spin environment in the transition from integrability to chaos. Physical Review E, 2007, 76, 046223.	0.8	12
79	Two-level interacting boson models beyond the mean field. Physical Review C, 2007, 75, .	1.1	41
80	Commensurability Effects for Fermionic Atoms Trapped in 1D Optical Lattices. Physical Review Letters, 2007, 99, 080404.	2.9	17
81	Exactly solvable models of proton and neutron interacting bosons. Physical Review C, 2006, 74, .	1.1	10
82	THE EXACTLY SOLVABLE RICHARDSON MODEL IN THE BCS-to-BEC CROSSOVER. International Journal of Modern Physics E, 2006, 15, 324-332.	0.4	3
83	Integrable Models for Asymmetric Fermi Superfluids: Emergence of a New Exotic Pairing Phase. Physical Review Letters, 2006, 96, 180404.	2.9	29
84	EXACT BCS SOLUTION IN THE BCS-BEC CROSSOVER. , 2006, , .		0
85	Exactly solvable Richardson-Gaudin models and their applications. Physica Scripta, 2006, T125, 91-93.	1.2	4
86	The Density Matrix Renormalization Group and Nuclear Structure. AIP Conference Proceedings, 2006, , .	0.3	0
87	Solving the Richardson equations close to the critical points. Journal of Physics A, 2006, 39, 11349-11360.	1.6	29
88	Exact Solution of the Isovector Neutron-Proton Pairing Hamiltonian. Physical Review Letters, 2006, 96, 072503.	2.9	48
89	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
90	Density Matrix Renormalization Group Approach for Many-Body Open Quantum Systems. Physical Review Letters, 2006, 97, 110603.	2.9	62

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91	RANK-TWO RICHARDSON-GAUDIN MODELS. International Journal of Modern Physics E, 2006, 15, 1665-1679.	0.4	1
92	EXACT BCS SOLUTION IN THE BCS-BEC CROSSOVER. International Journal of Modern Physics B, 2006, 20, 5179-5188.	1.0	2
93	BCS-to-BEC crossover from the exact BCS solution. Physical Review A, 2005, 72, .	1.0	73
94	$\hat{T}^2$ potential at the $U(5) \leftrightarrow O(6)$ critical point of the interacting boson model. Physical Review C, 2005, 72, .	1.1	32
95	Self-consistent random phase approximation and the restoration of symmetries within the three-level Lipkin model. Physical Review C, 2005, 72, .	1.1	21
96	Finite-size scaling exponents in the interacting boson model. Physical Review C, 2005, 72, .	1.1	31
97	Self-consistent random phase approximation: Application to the Hubbard model for finite number of sites. Physical Review B, 2005, 71, .	1.1	23
98	Continuous unitary transformations in two-level boson systems. Physical Review C, 2005, 72, .	1.1	38
99	Exactly-solvable models derived from a generalized Gaudin algebra. Nuclear Physics B, 2005, 707, 421-457.	0.9	146
100	Boson-fermion pairing in a boson-fermion environment. Physical Review A, 2005, 71, .	1.0	34
101	Critical points in the Interacting Boson Model. AIP Conference Proceedings, 2004, , .	0.3	0
102	Solving the Richardson equations for fermions. Physical Review C, 2004, 69, .	1.1	58
103	Stringent numerical test of the Poisson distribution for finite quantum integrable Hamiltonians. Physical Review E, 2004, 70, 026208.	0.8	22
104	Colloquium: Exactly solvable Richardson-Gaudin models for many-body quantum systems. Reviews of Modern Physics, 2004, 76, 643-662.	16.4	334
105	Exactly Solvable Models for Atom-Molecule Hamiltonians. Physical Review Letters, 2004, 93, 050403.	2.9	63
106	Bosons confined in optical lattices: The numerical renormalization group revisited. Physical Review A, 2004, 69, .	1.0	27
107	The density matrix renormalization group for finite fermi systems. Reports on Progress in Physics, 2004, 67, 513-552.	8.1	45
108	THE ELEMENTARY EXCITATIONS OF THE BCS MODEL IN THE CANONICAL ENSEMBLE. International Journal of Modern Physics A, 2004, 19, 381-395.	0.5	4

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109	New Generalizations of the Richardson-Gaudin Models. AIP Conference Proceedings, 2004, , .	0.3	0
110	Exactly solvable models for trapped boson systems. Optics Communications, 2004, 243, 131-143.	1.0	1
111	Phase Diagram of the Proton-Neutron Interacting Boson Model. Physical Review Letters, 2004, 93, 212501.	2.9	48
112	Entanglement in a first-order quantum phase transition. Physical Review A, 2004, 69, .	1.0	137
113	NEW EXACTLY SOLVABLE MODELS OF INTERACTING BOSONS AND FERMIONS. , 2004, , .		0
114	THE CRITICAL POINT SYMMETRY $E(5)$ AND THE IBM. , 2004, , .		0
115	INTEGRABILITY AND QUANTUM PHASE TRANSITIONS IN INTERACTING BOSON MODELS. , 2004, , .		0
116	SOME NEW PERSPECTIVES ON PAIRING IN NUCLEI. , 2004, , .		0
117	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
118	Pair fluctuations in ultra-small Fermi systems within self-consistent RPA at finite temperature. Annals of Physics, 2003, 307, 308-334.	1.0	17
119	Comparison between exact and approximate treatments of the pairing interaction for finite Fermi systems. Nuclear Physics A, 2003, 714, 63-74.	0.6	32
120	Quantum Phase Transitions in the Interacting Boson Model: Integrability, Level Repulsion, and Level Crossing. Physical Review Letters, 2003, 91, 162502.	2.9	54
121	Comment on "Polynomial-Time Simulation of Pairing Models on a Quantum Computer"; Physical Review Letters, 2003, 90, 249803; discussion 249804.	2.9	9
122	Elementary excitations of the BCS model in the canonical ensemble. Physical Review B, 2003, 67, .	1.1	25
123	Reply to the Comment by P. McCulloch and M. GulÅıcsi 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
124	SOME NEW PERSPECTIVES ON PAIRING IN NUCLEI. , 2003, , .		1
125	Electrostatic Mapping of Nuclear Pairing. Physical Review Letters, 2002, 88, 062501.	2.9	51
126	Density matrix renormalization group method and large-scale nuclear shell-model calculations. Physical Review C, 2002, 65, .	1.1	36



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127	Large-N limit of the exactly solvable BCS model: analytics versus numerics. Nuclear Physics B, 2002, 634, 483-510.	0.9	83
128	Exactly Solvable Models Based on the Pairing Interaction. AIP Conference Proceedings, 2002, , .	0.3	0
129	Fully Self-Consistent RPA Description of the Many Level Pairing Model. Annals of Physics, 2002, 296, 187-213.	1.0	47
130	Condensate Fragmentation in a New Exactly Solvable Model for Confined Bosons. Physical Review Letters, 2001, 86, 4207-4210.	2.9	52
131	New Mechanism for the Enhancement ofsdDominance in Interacting Boson Models. Physical Review Letters, 2001, 86, 4791-4794.	2.9	33
132	Self-consistent random phase approximation in a schematic field theoretical model. Physical Review C, 2001, 63, .	1.1	3
133	New approach to large-scale nuclear structure calculations. Physical Review C, 2001, 63, .	1.1	24
134	Class of Exactly Solvable Pairing Models. Physical Review Letters, 2001, 87, 066403.	2.9	140
135	Occupation numbers in Self Consistent RPA. European Physical Journal A, 2000, 7, 155-165.	1.0	5
136	Intrinsic state for an extended version of the interacting boson model. Physical Review C, 2000, 61, .	1.1	0
137	Proton-neutron self-consistent quasiparticle random phase approximation within the O(5) model. Physical Review C, 2000, 62, .	1.1	13
138	Exact study of the effect of level statistics in ultrasmall superconducting grains. Physical Review B, 2000, 61, R11890-R11893.	1.1	83
139	Crossover from bulk to few-electron limit in ultrasmall metallic grains. Physical Review B, 2000, 61, 12302-12314.	1.1	56
140	Application of the density matrix renormalization group to the two level pairing model. Physical Review C, 1999, 59, R3005-R3008.	1.1	4
141	Density Matrix Renormalization Group Study of Ultrasmall Superconducting Grains. Physical Review Letters, 1999, 83, 172-175.	2.9	104
142	The self consistent RPA in a many level pairing model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 464, 164-168.	1.5	28
143	Diagonal ladders: A class of models for strongly coupled electron systems. Physical Review B, 1999, 59, 7973-7989.	1.1	22
144	A hartree-bose mean-field approximation for IBM-3. European Physical Journal D, 1998, 48, 703-706.	0.4	0

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145	Generalized Brückner-Hartree-Fock theory and self-consistent RPA. Nuclear Physics A, 1998, 628, 17-40.	0.6	93
146	Self-consistent random phase approximation within the O(5) model and Fermi transitions. Nuclear Physics A, 1998, 637, 295-324.	0.6	29
147	Phase diagram of the 2-leg Heisenberg ladder with alternating dimerization. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 250, 430-434.	0.9	24
148	Hartree-Bose mean-field approximation for the interacting boson model (IBM-3). Physical Review C, 1998, 57, R479-R483.	1.1	3
149	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
150	The matrix product approach to quantum spin ladders. Journal of Physics A, 1998, 31, 9729-9759.	1.6	25
151	Dimer-hole-RVB state of the two-leg ladder: A recurrent variational ansatz. Physical Review B, 1998, 57, 11666-11673.	1.1	28
152	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
153	Restoration of the Ikeda sum rule in self-consistent quasiparticle random-phase approximation. Physical Review C, 1997, 55, 2340-2344.	1.1	25
154	Valence bond mapping of antiferromagnetic spin chains. Physical Review B, 1997, 56, 10770-10773.	1.1	1
155	Neutron-proton correlations in an exactly solvable model. Physical Review C, 1997, 55, 1781-1788.	1.1	129
156	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
157	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
158	Brueckner correlations following a boson mapping of the two-color delta model. Physical Review C, 1996, 53, 3088-3096.	1.1	1
159	Deuteron Formation in Expanding Nuclear Matter from a Strong Coupling BCS Approach. , 1996, , 159-166.		0
160	On the use of baryon mappings to derive nuclei from quarks. AIP Conference Proceedings, 1995, , .	0.3	0
161	Baryon mappings applied to the three-color delta model. Physical Review C, 1995, 52, 2131-2143.	1.1	2
162	Nuclear medium effects on the size of the nucleon valence quark distribution. Journal of Physics G: Nuclear and Particle Physics, 1995, 21, 317-330.	1.4	3

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163	Comparison between two variational approaches for non-Hermitian boson Hamiltonians. Physical Review C, 1994, 50, 1932-1935.	1.1	0
164	Consistent baryon mapping of quark systems. Physical Review C, 1994, 50, 423-434.	1.1	7
165	Boson mappings applied to the two-color delta model. Physical Review C, 1992, 45, 1871-1880.	1.1	3
166	Iterative boson expansions and mean-field approximations for boson systems. Nuclear Physics A, 1992, 537, 13-44.	0.6	1
167	Generalized Holstein-Primakoff images of fermion operators. Nuclear Physics A, 1992, 539, 391-402.	0.6	5
168	Deriving Nuclei from Quarks. , 1992, , 155-163.		0
169	Fermion Clustering in an Exactly-Soluble N-Fermion Model for Hadronic, Nuclear and Superconductivity Physics. , 1992, , 35-48.		0
170	Phase transitions in light nuclei. Physical Review C, 1991, 44, 2872-2874.	1.1	12
171	VARIATIONAL RANDOM PHASE APPROXIMATION FOR THE ANHARMONIC OSCILLATOR. Modern Physics Letters A, 1991, 06, 2429-2435.	0.5	15
172	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
173	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
174	Towards a variational theory for RPA-like correlations and fluctuations. Nuclear Physics A, 1990, 512, 466-482.	0.6	88
175	Fermion mapping of boson-fermion pairs. Physical Review C, 1990, 42, 2030-2033.	1.1	1
176	Iterative boson expansion procedure for fermion systems. Physical Review C, 1989, 39, 2001-2007.	1.1	7
177	Two-level bosonic model that simulates the transition from a superconductive condensate to an alpha cluster condensate. Physical Review C, 1989, 40, 2361-2370.	1.1	8
178	Three-body forces in the SO(8) model. Physical Review C, 1989, 39, 697-698.	1.1	0
179	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
180	Beta-vibrations in O(6)-nuclei: A pair mode?. Zeitschrift für Physik A, Atomic Nuclei, 1989, 333, 15-18.	0.3	0

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181	Variational Approximation to the Non-Hermitian Dyson Boson Hamiltonian. , 1988, , 93-100.		0
182	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
183	Boson mapping of one-body operators in deformed nuclei. Nuclear Physics A, 1986, 456, 75-88.	0.6	15
184	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
185	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
186	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
187	Validity of the self-consistent cranking approximation in the SU(3)-U(5) phase transition. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 162, 203-207.	1.5	8
188	HFB in a restricted space. Journal of Physics G: Nuclear Physics, 1985, 11, L91-L96.	0.8	3
189	Constrained Hartree approximation for systems with many interacting bosons. Journal of Physics G: Nuclear Physics, 1985, 11, L163-L168.	0.8	1
190	Comparison between semiclassical and classical descriptions of the collective M1 mode in the interacting boson model. Physical Review C, 1985, 32, 335-337.	1.1	10
191	Phase ambiguities in the O(6) limit of the interacting boson model. Physical Review C, 1985, 31, 671-673.	1.1	34
192	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
193	A self-consistent description of systems with many interacting bosons. Nuclear Physics A, 1984, 425, 93-119.	0.6	62
194	The structure of the S and D pairs of the interacting Boson Model from the Hartree-Fock-Bogolyubov approximation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 128, 9-14.	1.5	26
195	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
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