

# Joao Da Providencia

## List of Publications by Year in descending order

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239  
papers

1,544  
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430874

18  
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477307

29  
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244  
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244  
docs citations

244  
times ranked

470  
citing authors

#	ARTICLE	IF	CITATIONS
1	Approximations for the von Neumann and Rényi entropies of graphs with circulant type Laplacians. <i>Electronic Research Archive</i> , 2022, 30, 1864-1880.	0.9	0
2	Maximum entropy principle and Landau free energy inequality. <i>Linear and Multilinear Algebra</i> , 2021, 69, 1020-1034.	1.0	1
3	On Kippenhahn curves and higher-rank numerical ranges of some matrices. <i>Linear Algebra and Its Applications</i> , 2021, 629, 246-257.	0.9	2
4	Binding of muonated hydrogen molecules and Born-Oppenheimer approximation revisited. <i>Canadian Journal of Physics</i> , 2020, 98, 379-384.	1.1	2
5	A quantum system with a non-Hermitian Hamiltonian. <i>Journal of Mathematical Physics</i> , 2020, 61, 082106.	1.1	3
6	Spin polarizations under a pseudovector interaction between quarks with the Kobayashi-Maskawa Hooft term in high density quark matter. <i>International Journal of Modern Physics E</i> , 2020, 29, 2050003.	1.0	3
7	Toward non-Hermitian quantum statistical thermodynamics. <i>Journal of Mathematical Physics</i> , 2020, 61, .	1.1	4
8	Fermionic Model with a Non-Hermitian Hamiltonian. <i>Brazilian Journal of Physics</i> , 2020, 50, 143-152.	1.4	1
9	Nonzero tensor condensates in cold quark matter within the three-flavor Nambu-Jona-Lasinio model with the Kobayashi-Maskawa Hooft interaction. <i>International Journal of Modern Physics E</i> , 2020, 29, 2050036.	1.0	1
10	Hybrid stars from a three-flavor NJL model with two kinds of tensor condensates. <i>International Journal of Modern Physics E</i> , 2020, 29, 2050093.	1.0	2
11	Hyperonic stars within the Bogoliubov quark meson model for nuclear matter. <i>International Journal of Modern Physics E</i> , 2019, 28, 1950034.	1.0	2
12	Mean-field theory based on the Jacobi semidirect sum $\mathfrak{hN} \ltimes \mathfrak{Sp}(2N, \mathbb{R})$ algebra of boson operators. <i>Journal of Mathematical Physics</i> , 2019, 60, 081706.	1.1	1
13	Non-self-adjoint operators with real spectra and extensions of quantum mechanics. <i>Journal of Mathematical Physics</i> , 2019, 60, .	1.1	4
14	A quantum system with a non-self-adjoint 2D-harmonic oscillator. <i>Physica Scripta</i> , 2019, 94, 095205.	2.5	1
15	Remarks on the mean-field theory based on the $SO(2N + 1)$ Lie algebra of the fermion operators. <i>International Journal of Geometric Methods in Modern Physics</i> , 2019, 16, 1950184.	2.0	1
16	Implications of losing Hermiticity in quantum mechanics. <i>Linear Algebra and Its Applications</i> , 2018, 542, 54-65.	0.9	0
17	Hybrid stars from the NJL model with a tensor interaction. <i>Physical Review D</i> , 2018, 98, .	4.7	5
18	Spontaneous magnetization under a pseudovector interaction between quarks in high density quark matter. <i>International Journal of Modern Physics E</i> , 2018, 27, 1850028.	1.0	8

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19	Non-Hermitian Quantum Mechanics of Bosonic Operators. Operator Theory: Advances and Applications, 2018, , 65-78.	0.2	2
20	Generalized Rayleigh quotients and generating vectors. Linear and Multilinear Algebra, 2017, 65, 1-23.	1.0	3
21	A possible quantum fluid-dynamical approach to vortex motion in nuclei. International Journal of Modern Physics E, 2017, 26, 1750020.	1.0	0
22	Spin polarization and color superconductivity in the Nambu–Jona-Lasinio model at finite temperature. Physical Review D, 2017, 95, .	4.7	9
23	A practical scheme for constructing the minimum-weight states of the $su(n)$ -Lipkin model in arbitrary fermion number. Progress of Theoretical and Experimental Physics, 2017, 2017, .	6.6	0
24	Fields of Values of Linear Pencils and Spectral Inclusion Regions. Springer Proceedings in Mathematics and Statistics, 2017, , 165-179.	0.2	1
25	The Characteristic Polynomial of Linear Pencils of Small Size and the Numerical Range. Springer Proceedings in Mathematics and Statistics, 2017, , 181-197.	0.2	1
26	A possible framework of the Lipkin model obeying the $SU(n)$ algebra in arbitrary fermion number. I: The $SU(2)$ algebras extended from the conventional fermion pair and determination of the minimum weight states. Progress of Theoretical and Experimental Physics, 2016, 2016, 083D03.	6.6	3
27	A possible framework of the Lipkin model obeying the $SU(n)$ algebra in arbitrary fermion number. II: Two subalgebras in the $SU(n)$ Lipkin model and an approach to the construction of a linearly independent basis. Progress of Theoretical and Experimental Physics, 2016, 2016, 083D04.	6.6	2
28	Spin-polarized versus chiral condensate in quark matter at finite temperature and density. Progress of Theoretical and Experimental Physics, 2016, 2016, 053D02.	6.6	12
29	Products of Laurent operators and fields of values. Annals of Functional Analysis, 2016, 7, 552-563.	0.8	0
30	Modified non-Euclidean transformation on the $SO(2N+2)$ $U(N+1)$ Grassmannian and $SO(2N + 1)$ random phase approximation for unified description of Bose and Fermi type collective excitations. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1650043.	2.0	0
31	Velocity operator approach to quantum fluid dynamics in a three-dimensional neutron–proton system. International Journal of Modern Physics E, 2016, 25, 1650057.	1.0	1
32	Spin polarization in high density quark matter under a strong external magnetic field. International Journal of Modern Physics E, 2016, 25, 1650106.	1.0	4
33	The EMM and the Spectral Analysis of a Non Self-adjoint Hamiltonian on an Infinite Dimensional Hilbert Space. Springer Proceedings in Physics, 2016, , 157-166.	0.2	4
34	QMC approach based on the Bogoliubov independent quark model of the nucleon. International Journal of Modern Physics E, 2016, 25, 1650007.	1.0	6
35	Mathematical Aspects of Quantum Systems with a Pseudo-Hermitian Hamiltonian. Brazilian Journal of Physics, 2016, 46, 152-156.	1.4	10
36	A Fiedler-type theorem for the determinant of $J$ -positive matrices. Mathematical Inequalities and Applications, 2016, , 663-669.	0.2	0

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37	Spontaneous magnetization in high-density quark matter. Progress of Theoretical and Experimental Physics, 2015, 2015, 103D01.	6.6	16
38	Exact canonically conjugate momenta approach to a one-dimensional neutron-proton system, I. International Journal of Modern Physics E, 2015, 24, 1550045.	1.0	2
39	On dipositronium and molecular hydrogen: similarities and differences. European Physical Journal D, 2015, 69, 1.	1.3	4
40	New boson realization of the Lipkin model obeying the $su(2)$ -algebra. Progress of Theoretical and Experimental Physics, 2015, 2015, 63D01-0.	6.6	2
41	Beyond the Schwinger boson representation of the $su(2)$ -algebra. Progress of Theoretical and Experimental Physics, 2015, 2015, .	6.6	3
42	Description of collective motion in two-dimensional nuclei; Tomonaga's method revisited. Nuclear Physics A, 2015, 935, 1-17.	1.5	2
43	$\frac{m}{SO(2N)}\{U(N)\}$ Riccati-Hartree-Bogoliubov equation based on the $SO(2N)$ Lie algebra of the fermion operators. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550035.	2.0	2
44	Spin polarization versus color-flavor locking in high-density quark matter. Progress of Theoretical and Experimental Physics, 2015, 2015, 13D02-0.	6.6	12
45	An inverse indefinite numerical range problem. Linear Algebra and Its Applications, 2015, 470, 200-215.	0.9	1
46	Quark spin polarization in high density quark matter. EPJ Web of Conferences, 2014, 66, 04029.	0.3	0
47	Thermal resonating Hartree-Bogoliubov theory based on the projection method. International Journal of Modern Physics B, 2014, 28, 1450131.	2.0	1
48	The numerical range of banded 2-Toeplitz operators in spaces with an indefinite metric. Linear and Multilinear Algebra, 2014, 62, 659-673.	1.0	0
49	Orbitals of the dipositronium. Chemical Physics Letters, 2014, 610-611, 167-172.	2.6	4
50	Exact canonically conjugate momenta to quadrupole-type collective coordinates and derivation of nuclear quadrupole-type collective Hamiltonian. Nuclear Physics A, 2014, 923, 51-88.	1.5	4
51	Krein space numerical ranges: compressions and dilations. Annals of Functional Analysis, 2014, 5, 36-50.	0.8	0
52	Computing the numerical range of Krein space operators. Open Mathematics, 2014, 13, .	1.0	2
53	Inverse spectral problems for structured pseudo-symmetric matrices. Linear Algebra and Its Applications, 2013, 438, 4062-4074.	0.9	7
54	The numerical range of banded biperiodic Toeplitz operators. Journal of Mathematical Analysis and Applications, 2013, 398, 189-197.	1.0	9

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55	An algorithm for constructing a pseudo-Jacobi matrix from given spectral data. Numerical Linear Algebra With Applications, 2013, 20, 185-197.	1.6	6
56	Interplay between spin polarization and color superconductivity in high density quark matter. Progress of Theoretical and Experimental Physics, 2013, 2013, .	6.6	5
57	A pseudo $su(1,1)$ -algebraic deformation of the Cooper pair in the $su(2)$ -algebraic many-fermion model. Progress of Theoretical and Experimental Physics, 2013, 2013, 103D04-103D04.	6.6	1
58	Quark-hadron phase transition in an extended Nambu-Jona-Lasinio model with scalar-vector interaction: Finite temperature and baryon chemical potential case. Progress of Theoretical and Experimental Physics, 2013, 2013, .	6.6	9
59	SPIN POLARIZATION IN HIGH DENSITY QUARK MATTER. International Journal of Modern Physics E, 2013, 22, 1350019.	1.0	15
60	AN ATTEMPT AT A RESONATING MEAN-FIELD THEORETICAL DESCRIPTION OF THERMAL BEHAVIOR OF TWO-GAP SUPERCONDUCTIVITY. International Journal of Modern Physics B, 2013, 27, 1350079.	2.0	1
61	THE 1D HEISENBERG ANTIFERROMAGNET MODEL BY THE VARIATION AFTER PROJECTION METHOD. International Journal of Modern Physics B, 2013, 27, 1350058.	2.0	0
62	Background of the $su(2)$ -Algebraic Many-Fermion Models in the Boson Realization. Progress of Theoretical Physics, 2012, 127, 117-143.	2.0	1
63	Operator inequalities for J-contractions. Mathematical Inequalities and Applications, 2012, , 883-897.	0.2	1
64	Re-Formation of Many-Quark Model with the $su(4)$ -Algebraic Structure in the Schwinger Boson Realization: -Reconsideration in the Original Fermion Space-. Progress of Theoretical Physics, 2012, 127, 751-768.	2.0	0
65	A NEW DESCRIPTION OF MOTION OF THE FERMIONIC $SO(2N+2)$ TOP IN THE CLASSICAL LIMIT UNDER THE QUASI-ANTICOMMUTATION RELATION APPROXIMATION. International Journal of Modern Physics A, 2012, 27, 1250054.	1.5	2
66	Indefinite higher-rank numerical ranges. Linear and Multilinear Algebra, 2012, 60, 1009-1026.	1.0	2
67	Color-Singlet Three-Quark States in the $su(4)$ -Algebraic Many-Quark Model: -An Example of the $su(4)$ Model-. Progress of Theoretical Physics, 2012, 127, 769-779.	2.0	0
68	Tsallis entropies and matrix trace inequalities in quantum statistical mechanics. Journal of Mathematical Physics, 2012, 53, 103303.	1.1	0
69	Large a quasi-Jacobi form for J-normal matrices and inverse eigenvalue problems. Linear Algebra and Its Applications, 2012, 436, 1739-1753.	0.9	1
70	On a reverse Heinz-Kato-Furuta inequality. Linear Algebra and Its Applications, 2012, 437, 1892-1905.	0.9	4
71	Magnetization of High Density Hadronic Fluid. Brazilian Journal of Physics, 2012, 42, 68-76.	1.4	12
72	BCS Theory of Hadronic Matter at High Densities. Brazilian Journal of Physics, 2012, 42, 59-67.	1.4	1

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73	On the eigenvalues of principal submatrices of J-normal matrices. Linear Algebra and Its Applications, 2011, 435, 3101-3114.	0.9	2
74	Anomaly-free supersymmetric $SO(2N+2)$ $U(N+1)$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Physics, 2011, 2011, 1.	4.7	1
75	Non-Hermitian Hamiltonians with Real Spectrum in Quantum Mechanics. Brazilian Journal of Physics, 2011, 41, 78-85.	1.4	31
76	An inverse eigenvalue problem for periodic Jacobi matrices in Minkowski spaces. Linear Algebra and Its Applications, 2011, 435, 2033-2045.	0.9	10
77	PION CORRELATIONS IN NUCLEAR MATTER. International Journal of Modern Physics E, 2011, 20, 63-80.	1.0	1
78	On the Color-Singlet States in Many-Quark Model with the su(4)-Algebraic Structure. I. Progress of Theoretical Physics, 2011, 126, 115-134.	2.0	0
79	Inverse problems for pseudo-Jacobi matrices: existence and uniqueness results. Inverse Problems, 2011, 27, 025005.	2.0	21
80	On the Color-Singlet States in Many-Quark Model with the su(4)-Algebraic Structure. II: --Determination of Ground-State Energies--. Progress of Theoretical Physics, 2011, 126, 293-311.	2.0	0
81	Color symmetrical superconductivity in a schematic nuclear quark model. Europhysics Letters, 2010, 89, 42001.	2.0	0
82	The boundary of the Krein space tracial numerical range, an algebraic approach and a numerical algorithm. Annali Di Matematica Pura Ed Applicata, 2010, 189, 539-551.	1.0	2
83	Trace inequalities for logarithms and powers of $J$ -Hermitian matrices. Analogs of Cauchy's, Poincaré and Fan's, Paley-Interlacing theorems for $J$ -Hermitian and	0.9	2
84	$J$ -normal matrices. Linear Algebra and Its Applications, 2010, 433, 80-90.	0.9	3
85	First-Order Quark-Hadron Phase-Transition in a NJL-Type Model for Nuclear and Quark Matter: – The Case of Symmetric Nuclear Matter --. Progress of Theoretical Physics, 2010, 123, 1013-1028.	2.0	9
86	Spinodal instabilities and the distillation effect in nuclear matter under strong magnetic fields. Physical Review C, 2009, 79, .	2.9	16
87	Effect of the $\hat{\sigma}$ meson on the instabilities of nuclear matter under strong magnetic fields. Physical Review C, 2009, 80, .	2.9	13
88	Many-Quark Model with su(4) Algebraic Structure: An Example of Analytically Soluble Many-Fermion System. Progress of Theoretical Physics, 2009, 121, 1237-1287.	2.0	0
89	Exact solutions to a schematic nuclear quark model and colorless superconductivity. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 089802.	2.1	2
90	Note on Many-Quark Model with su(4) Algebraic Structure. Progress of Theoretical Physics, 2009, 122, 693-711.	2.0	2

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91	The Bonn nuclear quark model revisited. <i>Annals of Physics</i> , 2009, 324, 1666-1675.	2.8	1
92	Indefinite numerical range of $3 \times 3$ matrices. <i>Czechoslovak Mathematical Journal</i> , 2009, 59, 221-239.	0.3	3
93	On the Courant-Fischer theory for Krein spaces. <i>Linear Algebra and Its Applications</i> , 2009, 430, 1867-1876.	0.9	1
94	Color-symmetric superconductivity in a phenomenological QCD model. <i>European Physical Journal A</i> , 2009, 41, 355-360.	2.5	5
95	Flat portions on the boundary of the indefinite numerical range of $3 \times 3$ matrices. <i>Linear Algebra and Its Applications</i> , 2008, 428, 2863-2879.	0.9	1
96	The J-numerical range of a J-Hermitian matrix and related inequalities. <i>Linear Algebra and Its Applications</i> , 2008, 428, 2995-3014.	0.9	6
97	Product of diagonal entries of the unitary orbit of a 3-by-3 normal matrix. <i>Linear Algebra and Its Applications</i> , 2008, 429, 698-715.	0.9	2
98	Extended supersymmetric $\tilde{J}$ -model based on the Lie algebra of the fermion operators. <i>Nuclear Physics B</i> , 2008, 802, 121-145.	2.5	7
99	Stellar matter with a strong magnetic field within density-dependent relativistic models. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 125201.	3.6	56
100	Exact solutions to a schematic nuclear quark model and colorless superconductivity. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 405202.	2.1	4
101	The Numerical Range of 2-Dimensional Krein Space Operators. <i>Canadian Mathematical Bulletin</i> , 2008, 51, 86-99.	0.5	4
102	Classical and Quantal Descriptions of Small Amplitude Fluctuations around Equilibriums in the Two-Level Pairing Model. <i>Progress of Theoretical Physics</i> , 2007, 117, 835-851.	2.0	0
103	The Buck-Sukumar model described in terms of $(2, 2)$ and $(1, 1)$ coherent states. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 12153-12160.	2.1	8
104	Self-consistent-field method and $\tilde{J}$ -functional method on group manifold in soliton theory. II. Laurent coefficients of soliton solutions for $sl(n, n)$ and for $su(n, n)$ . <i>Journal of Mathematical Physics</i> , 2007, 48, 053502.	1.1	0
105	Tensor interaction and short range correlations in relativistic nuclear models. <i>Physical Review C</i> , 2007, 75, .	2.9	4
106	A Refined Numerical Result on the First Excitation Energy in the Two-Level Pairing Model. <i>Progress of Theoretical Physics</i> , 2007, 117, 853-860.	2.0	0
107	Stable Multiquark Interactions. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
108	Effects of eight-quark interactions on the hadronic vacuum and mass spectra of light mesons. <i>Annals of Physics</i> , 2007, 322, 2021-2054.	2.8	56

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109	On the corners of certain determinantal ranges. <i>Linear Algebra and Its Applications</i> , 2007, 426, 96-108.	0.9	2
110	An extension of Birkhoff's theorem with an application to determinants. <i>Linear Algebra and Its Applications</i> , 2007, 427, 130-137.	0.9	0
111	Lowering the critical temperature with eight-quark interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 646, 91-94.	4.1	31
112	Dynamical chiral symmetry breaking by a magnetic field and multi-quark interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 650, 262-267.	4.1	34
113	Random phase approximation for the 1D anti-ferromagnetic Heisenberg model. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 10249-10258.	1.8	4
114	Boson Realization of the $su(3)$ -Algebra. I: -- Schwinger Representation for the Lipkin Model --. <i>Progress of Theoretical Physics</i> , 2006, 115, 143-153.	2.0	1
115	Boson Realization of the $su(3)$ -Algebra. II: -- Holstein-Primakoff Representation for the Lipkin Model --. <i>Progress of Theoretical Physics</i> , 2006, 115, 155-164.	2.0	3
116	Boson Realization of the $su(3)$ -Algebra. III: Schwinger Representation for the Elliott Model. <i>Progress of Theoretical Physics</i> , 2006, 115, 547-559.	2.0	0
117	Boson Realization of the $su(3)$ -Algebra. IV: Holstein-Primakoff Representation for the Elliott Model. <i>Progress of Theoretical Physics</i> , 2006, 115, 561-566.	2.0	0
118	Exact solutions for the LMG model Hamiltonian based on the Bethe ansatz. <i>Nuclear Physics B</i> , 2006, 737, 337-350.	2.5	20
119	Multi-quark interactions with a globally stable vacuum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 634, 48-54.	4.1	72
120	The two-level pairing model in the Schwinger representation. <i>Journal of Physics A</i> , 2006, 39, 11193-11204.	1.6	1
121	Schwinger representation approach to the Lipkin model. <i>Journal of Physics A</i> , 2006, 39, 12457-12468.	1.6	1
122	A Note on the Two-Level Pairing Model Obeying the $su(2) \hat{=} su(2)$ -Algebra: -- Re-formation in Terms of the $su(1,1) \hat{=} su(1,1)$ -Algebra --. <i>Progress of Theoretical Physics</i> , 2006, 115, 759-764.	2.0	0
123	On Parametric Resonance in Quantum Many-Body System: -- Collective Motion and Quantum Fluctuation around It in Coupled Lipkin Model --. <i>Progress of Theoretical Physics</i> , 2006, 115, 129-141.	2.0	0
124	A New Boson Realization of the Two-Level Pairing Model in a Many-Fermion System and Its Classical Counterpart: -- The Role of the $su(2) \hat{=} su(1,1)$ -Coherent State in the Schwinger Boson Representation for the $su(2) \hat{=} su(2)$ -Algebra --. <i>Progress of Theoretical Physics</i> , 2006, 115, 739-757.	2.0	0
125	Short range correlations in relativistic nuclear matter models. <i>Physical Review C</i> , 2006, 73, .	2.9	10
126	EFFICIENT DESCRIPTION FOR $\rho$ AND $\omega$ MESONS BY RESONATING MEAN-FIELD APPROXIMATION TO TWO-FLAVOR NAMBU-JONA-LASINIO MODEL. <i>International Journal of Modern Physics E</i> , 2006, 15, 1087-1114.	1.0	2



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127	The Lipkin Model in Many-Fermion System as an Example of the $su(1,1) \hat{\otimes} su(1,1)$ -Algebraic Model. Progress of Theoretical Physics, 2006, 116, 87-105.	2.0	4
128	Inequalities for quantum relative entropy. Linear Algebra and Its Applications, 2005, 401, 159-172.	0.9	29
129	On the geometry of numerical ranges in spaces with an indefinite inner product. Linear Algebra and Its Applications, 2005, 399, 17-34.	0.9	16
130	J-orthostochastic matrices of size $3 \times 3$ and numerical ranges of Krein space operators. Linear Algebra and Its Applications, 2005, 407, 211-232.	0.9	7
131	Inequalities for J-Hermitian matrices. Linear Algebra and Its Applications, 2005, 407, 125-139.	0.9	15
132	The RPA equation embedded into infinite-dimensional Fock space $\hat{F}^{\pm}$ . Journal of Physics A, 2005, 38, 6759-6775.	1.6	2
133	Gross-Pitaevski equation and resonances in Bose-Einstein condensates. Europhysics Letters, 2005, 69, 920-923.	2.0	0
134	Nuclear phenomena derived from quark-gluon strings. Physical Review C, 2005, 71, .	2.9	5
135	Aspects of short-range correlations in a relativistic model. Physical Review C, 2005, 71, .	2.9	9
136	Electron-phonon coupling and anharmonic effects in metal clusters. Europhysics Letters, 2004, 67, 760-765.	2.0	0
137	Description of anharmonic effects with generalized coherent states. Journal of Physics A, 2004, 37, 769-779.	1.6	1
138	The Heisenberg Antiferromagnet: – An Explicitly Rotational Invariant Formulation –. Progress of Theoretical Physics, 2004, 112, 383-397.	2.0	0
139	On Generalized Numerical Ranges of Operators on an Indefinite Inner Product Space. Linear and Multilinear Algebra, 2004, 52, 203-233.	1.0	21
140	Deformed Boson Scheme Stressing Even-Odd Boson Number Difference. III: – Parameter-Dependent Deformation –. Progress of Theoretical Physics, 2004, 111, 509-523.	2.0	0
141	Coupling Schemes for an $n$ $su(2)$ Spin System. Progress of Theoretical Physics, 2004, 112, 997-1012.	2.0	0
142	Matrix inequalities in statistical mechanics. Linear Algebra and Its Applications, 2004, 376, 265-273.	0.9	20
143	Numerical ranges of unbounded operators arising in quantum physics. Linear Algebra and Its Applications, 2004, 381, 259-279.	0.9	4
144	EOS OF NUCLEAR MATTER WITHIN A GENERALISED NJL MODEL. International Journal of Modern Physics B, 2003, 17, 5209-5213.	2.0	2

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145	The Lipkin model. Beyond mean field with generalized coherent states. Journal of Physics A, 2003, 36, 10361-10372.	1.6	8
146	Two Contrastive Boson-Pair Coherent States in Deformed Boson Scheme. Progress of Theoretical Physics, 2002, 107, 1279-1284.	2.0	0
147	Microscopic Theory of the Two-Dimensional Quantum Antiferromagnet in a Paramagnetic Phase. Annals of Physics, 2002, 298, 186-209.	2.8	1
148	Anharmonic effects in large-amplitude vibrations of metal clusters. European Physical Journal D, 2002, 18, 319-326.	1.3	0
149	Time-Evolution of the Coherent and the Squeezed States of Many-Body Systems Based on the Basic Idea of the Boson Mapping and the TDHF Method. Progress of Theoretical Physics Supplement, 2001, 141, 113-178.	0.1	2
150	Resonating mean-field theoretical description of and mesons by the Nambu-Jona-Lasinio model. Nuclear Physics A, 2001, 688, 882-904.	1.5	3
151	Spin modes in polarized $^3\text{He}$ clusters. Physical Review B, 2000, 62, 3968-3978.	3.2	1
152	The effect of surface diffusibility on the collective modes of metal clusters. Journal of Physics Condensed Matter, 1999, 11, 8459-8476.	1.8	1
153	Resonating mean-field theoretical approach to the Nambu-Jona-Lasinio model. Physical Review C, 1999, 60, .	2.9	3
154	Finite Temperature Effects in the Nonintegrable $\text{SU}(3)$ Lipkin Model. Annals of Physics, 1998, 262, 1-46.	2.8	2
155	Instanton picture of the spin tunnelling in the Lipkin - Meshkov - Glick model. Journal of Physics A, 1997, 30, 5633-5643.	1.6	18
156	Surface modes in metal clusters and cavities. Journal of Physics Condensed Matter, 1997, 9, 2931-2946.	1.8	3
157	Finite Temperature $\text{SU}(2)$ LMG Model: Mean-Field Versus Exact Calculation. Modern Physics Letters A, 1997, 12, 2985-2992.	1.2	3
158	Relativistic Thomas-Fermi description of collective modes in droplets of nuclear matter. Physical Review C, 1996, 54, 2525-2537.	2.9	3
159	Another proof of a conjecture of marcus on the numerical range. Linear and Multilinear Algebra, 1996, 41, 35-40.	1.0	1
160	Note on Boson Expansion and Boson Coherent State for the $\text{su}(2)$ -Spin System. Progress of Theoretical Physics, 1996, 95, 79-96.	2.0	1
161	Finite temperature $\text{SU}(3)$ LMG model: mean-field versus exact calculation. Journal of Physics G: Nuclear and Particle Physics, 1996, 22, 351-360.	3.6	1
162	Fluid-dynamical model of hot nuclei. Nuclear Physics A, 1995, 582, 23-60.	1.5	2

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163	Three-level Lipkin model in the context of the $su_q(3)$ algebra. <i>Physical Review A</i> , 1995, 52, 92-100.	2.5	7
164	Variational Description of Collective Isospin Modes in Heavy Nuclei. , 1995, , 187-193.		0
165	Temperature dependence of bifurcation of equilibria in the $SU(2)$ Lipkin model. <i>Journal of Physics A</i> , 1994, 27, 697-713.	1.6	6
166	Perturbative description of the temperature dependence of the resonance width. <i>Physical Review C</i> , 1994, 50, 1720-1722.	2.9	2
167	Collective isospin excitations in nuclear matter droplets. <i>Physical Review C</i> , 1994, 50, 2800-2808.	2.9	5
168	Fluid-dynamical approach to collective modes in metal clusters. <i>Physical Review B</i> , 1994, 49, 2086-2098.	3.2	9
169	The validity of the Marcus-de Oliveira conjecture for essentially Hermitian matrices. <i>Linear Algebra and Its Applications</i> , 1994, 197-198, 411-427.	0.9	10
170	The $q$ -deformed Moszkowski model: high-spin states. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1994, 20, 1209-1216.	3.6	5
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