Peter Bechstedt

List of Publications by Year
in descending order

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195 papers	1,952 citations	236925 25 h-index	361022 35 g-index
198 all docs	198 docs citations	198 times ranked	581 citing authors

#	Article	IF	Citations
1	General collective model and its application to 92 238 U. Zeitschrift FÃ¼r Physik A, 1980, 296, 147-163.	1.4	87
2	The general collective model applied to the chains of Pt, Os and W isotopes. Journal of Physics G: Nuclear Physics, 1981, 7, 737-769.	0.8	85
3	PSEUDO-COMPLEX GENERAL RELATIVITY. International Journal of Modern Physics E, 2009, 18, 51-77.	1.0	65
4	Pseudo-symplectic model for strongly deformed heavy nuclei. Nuclear Physics A, 1991, 524, 469-478.	1.5	57
5	Neutrinoless double beta decay in heavy deformed nuclei. Nuclear Physics A, 1995, 582, 124-140.	1.5	54
6	Shape transitions and shape coexistence in the Ru and Hg chains. Zeitschrift FÃ¼r Physik A, 1991, 338, 261-270.	0.9	52
7	Renormalized quasiparticle random phase approximation and double beta decay: A critical analysis of double Fermi transitions. Physical Review C, 1996, 54, 1976-1981.	2.9	46
8	Deformation dependence of nuclear clusterization. Physical Review C, 2004, 70, .	2.9	40
9	Double-beta decay ofMo100: The deformed limit. Physical Review C, 1995, 51, 2252-2255.	2.9	38
10	High-precision<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>t</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Ne</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>18</mml:m	2.9	38
11	Single- and double-beta decay Fermi transitions in an exactly solvable model. Physical Review C, 1997, 56, 199-211.	2.9	36
12	Investigations of rotational nuclei via the pseudo-symplectic model. Nuclear Physics A, 1994, 576, 351-386.	1.5	35
13	Double-beta decay in the pseudo SU(3) scheme. Nuclear Physics A, 1994, 571, 276-300.	1.5	34
14	Projected shell model study of yrast states of neutron-deficient odd-mass Pr nuclei. Physical Review C, 2011, 83, .	2.9	34
15	Geometrical interpretation of the semimicroscopic algebraic cluster model. Physical Review C, 1996, 54, 2345-2355.	2.9	32
16	Experimental tests of pseudo-complex General Relativity. Monthly Notices of the Royal Astronomical Society, 2013, 430, 2999-3009.	4.4	32
17	Complete set of states for microscopic nuclear collective models. Journal of Mathematical Physics, 1982, 23, 2537-2553.	1.1	31
18	Configuration-mixed effective SU(3) symmetries. European Physical Journal A, 2002, 15, 449-454.	2.5	31

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19	Ray-tracing in pseudo-complex General Relativity. Monthly Notices of the Royal Astronomical Society, 2014, 442, 121-130.	4.4	28
20	The collective modes of nuclear molecules. Il Nuovo Cimento A, 1984, 83, 76-118.	0.2	27
21	Structure of Giant Nuclear Molecules. Physical Review Letters, 1984, 53, 1535-1538.	7.8	26
22	Double-beta decay to excited states in 150Nd. Nuclear Physics A, 1995, 589, 445-459.	1.5	26
23	Double beta decay and the proton-neutron residual interaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 390, 36-40.	4.1	26
24	Ternary clusterization and quadrupole deformation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 639, 451-455.	4.1	26
25	PSEUDO-COMPLEX GENERAL RELATIVITY: SCHWARZSCHILD, REISSNERâ€“NORDSTRÃ–M AND KERR SOLUTIONS. International Journal of Modern Physics E, 2012, 21, 1250015.	1.0	26
26	A general numerical solution of collective quadrupole surface motion applied to microscopically calculated potential energy surfaces. Zeitschrift FÃ¼r Physik A, 1992, 343, 25-34.	0.9	24
27	Phase transitions in algebraic cluster models. Physical Review C, 2006, 74, .	2.9	24
28	Collectivity and geometry. II. The twoâ€dimensional case. Journal of Mathematical Physics, 1984, 25, 1565-1576.	1.1	22
29	Interplay between the quadrupole-quadrupole and spin-orbit interactions in nuclei. Physical Review C, 1998, 58, 1488-1499.	2.9	22
30	Confrontations between the interacting boson approximation and the Bohr-Mottelson model. Physical Review C, 1981, 24, 1367-1370.	2.9	20
31	Collectivity and geometry. V. Spectra and shapes in the twoâ€dimensional case. Journal of Mathematical Physics, 1987, 28, 2223-2240.	1.1	19
32	Î±-cluster structure in Be isotopes. Journal of Physics G: Nuclear and Particle Physics, 2001, 27, 2019-2035.	3.6	19
33	PSEUDO-COMPLEX FIELD THEORY. International Journal of Modern Physics E, 2007, 16, 1643-1679.	1.0	19
34	Different deformations of proton and neutron distributions in nuclei. Physical Review C, 1981, 23, 2335-2337.	2.9	18
35	H2+ion in strong magnetic field: A variational study. Physical Review A, 1997, 56, 4496-4500.	2.5	18
36	Solvable model for many-quark systems in QCD Hamiltonians. Physical Review C, 2010, 81, .	2.9	17

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37	Pseudo-Complex General Relativity. , 2016, , .		17
38	The collapse of the pn-QRPA as a signal of phase-instabilities. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 412, 1-6.	4.1	16
39	THE ROBERTSONâ€“WALKER METRIC IN A PSEUDO-COMPLEX GENERAL RELATIVITY. International Journal of Modern Physics E, 2010, 19, 1315-1339.	1.0	16
40	Clusterization in the shape isomers of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>56</mml:mn></mml:msup></mml:math>Ni nucleus. Physical Review C, 2011, 84, .	2.9	16
41	Schematic model for QCD. I. Low energy meson states. Physical Review C, 2003, 67, .	2.9	15
42	Phenomenological and microscopic cluster models. I. The geometric mapping. Physical Review C, 2012, 85, .	2.9	15
43	Transformation to pseudo-spin-symmetry of a deformed Nilsson hamiltonian. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 321, 303-306.	4.1	14
44	Application of the semimicroscopic algebraic cluster model to core<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo>+</mml:mo><mml:mi>Î±</mml:mi></mml:mrow></mml:math>nuclei in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	14
45	Spontaneous and dynamical breaking of mean-field symmetries in the proton-neutron quasiparticle random phase approximation and the description of doubleÎ²decay transitions. Physical Review C, 1999, 59, 194-199.	2.9	13
46	Collective spectra ofÎ±-like giant trinuclear molecules. Physical Review C, 2001, 63, .	2.9	13
47	12C within the Semimicroscopic Algebraic Cluster Model. European Physical Journal A, 2018, 54, 1.	2.5	13
48	Kerr Black Holes within a Modified Theory of Gravity. Universe, 2019, 5, 191.	2.5	13
49	A gradient formula for the group U(2l+1). Journal of Physics G: Nuclear Physics, 1978, 4, L59-L63.	0.8	12
50	Comparison of different collective models describing the low spin structure ofEr168. Physical Review C, 1984, 30, 1779-1782.	2.9	12
51	The black hole merger event GW150914 within a modified theory of general relativity. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3026-3030.	4.4	12
52	Glueball spectrum from an effective hamiltonian. European Physical Journal C, 1999, 9, 121-140.	3.9	11
53	Selection rules in the Î²Î² decay of deformed nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 534, 57-62.	4.1	11
54	Collective modes of tri-nuclear molecules of the type96Sr+10Be+146Ba. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, L139-L145.	3.6	10

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55	Schematic model for QCD. II. Finite temperature regime. Physical Review C, 2003, 67, .	2.9	10
56	From Self-Consistent Covariant Effective Field Theories to Their Galilean-Invariant Counterparts. Physical Review Letters, 2007, 98, 262501.	7.8	10
57	Phenomenological and microscopic cluster models. II. Phase transitions. Physical Review C, 2012, 85, .	2.9	10
58	Evaporation residue cross-section in the decay of 254No* formed in 206Pb + 48Ca and its isotopic dependence using other Pb targets within the dynamical cluster-decay model. Nuclear Physics A, 2015, 938, 22-44.	1.5	10
59	Alternatives to Einsteinâ€™s General Relativity Theory. Progress in Particle and Nuclear Physics, 2020, 114, 103809.	14.4	10
60	Pushing the limits of time beyond the Big Bang singularity: Scenarios for the branch cut universe. Astronomische Nachrichten, 2021, 342, 776-787.	1.2	10
61	Young diagrams as Kronecker products of symmetric or antisymmetric components. Journal of Physics A, 1990, 23, L229-L236.	1.6	9
62	Potential energy surfaces and spectra of superheavy elements. Physical Review C, 2003, 68, .	2.9	9
63	Neutron stars within pseudo-complex general relativity. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 105201.	3.6	9
64	SO(4) group structure for a motivated QCD Hamiltonian: Analytic and Tammâ€“Dancoff solutions. International Journal of Modern Physics E, 2016, 25, 1650067.	1.0	9
65	Pushing the limits of time beyond the Big Bang singularity: The branch cut universe. Astronomische Nachrichten, 2021, 342, 765-775.	1.2	9
66	Microscopic derivation of nuclear collective variables. Physical Review C, 1982, 25, 1611-1615.	2.9	8
67	Interacting many-gluon systems within the MIT bag model. Physical Review D, 1986, 34, 258-268.	4.7	8
68	The gluonic many-body problem in a one-level approximation. Annals of Physics, 1991, 211, 112-157.	2.8	8
69	Spontaneous fission and clusterization. Journal of Physics G: Nuclear and Particle Physics, 1998, 24, 2111-2118.	3.6	8
70	Molecular collective vibrations in the ternary neutronless fission of252Cf. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, L147-L153.	3.6	8
71	From Common Many-Body Problems to Uncommon Two-Body Problems: An Algebraic Approach to Clusterization. Few-Body Systems, 2000, 29, 61-74.	1.5	8
72	Collective modes of tri-nuclear molecules. Journal of Physics G: Nuclear and Particle Physics, 2000, 26, 957-980.	3.6	8

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73	Theoretical description of doubleÎ²decay of160Gd. Physical Review C, 2002, 66, .	2.9	8
74	Schematic model for QCD. III. Hadronic states. Physical Review C, 2004, 70, .	2.9	8
75	Spectroscopic factors of cluster decays in an algebraic cluster model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 187-192.	4.1	8
76	Exactly solvable model of low energy QCD. Physical Review C, 2006, 73, .	2.9	8
77	Shift of the GZK limit in the cosmic ray spectrum due to a smallest length scale. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2091-2098.	3.6	8
78	Vacuum fluctuation inside a star and their consequences for neutron stars, a simple model. International Journal of Modern Physics E, 2016, 25, 1650027.	1.0	8
79	RPA treatment of a motivated QCD Hamiltonian in the SO(4) (2 + 1)-flavor limit: Light and strange mesons. International Journal of Modern Physics E, 2017, 26, 1750012.	1.0	8
80	Low-energy meson spectrum from a QCD approach based on many-body methods. International Journal of Modern Physics E, 2017, 26, 1750082.	1.0	8
81	Microscopic interpretation of potential energy surfaces. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 277, 27-32.	4.1	7
82	Double-Beta Decay in Deformed Nuclei. European Physical Journal D, 2002, 52, 513-519.	0.4	7
83	Modeling pentaquark and heptaquark states. Physical Review C, 2004, 70, .	2.9	7
84	16O within the Semimicroscopic Algebraic Cluster Model and the importance of the Pauli Exclusion Principle. European Physical Journal A, 2019, 55, 1.	2.5	7
85	Predictions of the pseudo-complex theory of gravity for EHT observations â€“ I. Observational tests. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 485, L34-L37.	3.3	7
86	Nuclear Molecular Potentials Based on a Symplectic Microscopic Model. Annals of Physics, 1995, 240, 22-55.	2.8	6
87	Schematic model for QCD at finite temperature. Physical Review C, 2002, 66, .	2.9	6
88	PHASE-TRANSITIONS AND NUCLEAR CLUSTERIZATION. International Journal of Modern Physics E, 2008, 17, 2296-2300.	1.0	6
89	THERE ARE NO BLACK HOLES â€" PSEUDO-COMPLEX GENERAL RELATIVITY: REVIEW AND SOME PREDICTIONS. International Journal of Modern Physics D, 2010, 19, 1217-1232.	2.1	6
90	Analysis of the alpha-transfer reaction in the 12C + 16O system using the semi-microscopic algebraic cluster model. European Physical Journal A, 2019, 55, 1.	2.5	6

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91	Quantum Phase Transitions within the Semimicroscopic Algebraic Cluster Model. Nuclear Physics A, 2019, 992, 121629.	1.5	6
92	Comment on â€˜â€˜Quantization of asymmetric shapes in nucleiâ€™â€™. Physical Review Letters, 1986, 56, 400-400.	7.8	5
93	A quasiboson approximation for an interacting many-gluon system. Nuclear Physics A, 1987, 468, 414-428.	1.5	5
94	Collectivity and geometry. VI. Spectra and shapes in the threeâ€dimensional case. Journal of Mathematical Physics, 1989, 30, 970-980.	1.1	5
95	Microscopically derived potential-energy surfaces for the chain of Sm-isotopes. Nuclear Physics A, 1994, 577, 605-623.	1.5	5
96	Exotic clusterizations and theSU(3) selection rule. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 775-777.	3.6	5
97	A nuclear vibron model applied to light and heavy nuclear molecules. Physical Review C, 2003, 68, .	2.9	5
98	Quantum mechanics in dissipative systems with a strong magnetic field. Physical Review A, 2004, 70, .	2.5	5
99	GLOBAL TRENDS IN THE LOWEST POSITIVE- AND NEGATIVE-PARITY LEVELS OF p- AND sd-SHELL NUCLEI. International Journal of Modern Physics E, 2005, 14, 845-881.	1.0	5
100	Microscopically derived potential energy surfaces from mostly structural considerations. Annals of Physics, 2016, 371, 125-158.	2.8	5
101	Predictions of the pseudo-complex theory of Gravity for EHT observations â€“ II: theory and predictions. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 485, L121-L125.	3.3	5
102	Quantum phase transitions within a nuclear cluster model and an effective model of QCD. Nuclear Physics A, 2021, 1016, 122335.	1.5	5
103	Regge behaviour from an environmentally friendly renormalization group. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 414, 333-339.	4.1	4
104	Boson expansion techniques, the Pauli principle, and the quasiparticle random phase approximation phase transition. Physical Review C, 1999, 60, .	2.9	4
105	Fermion and boson condensates in a QCD-inspired model Hamiltonian. Physical Review C, 2000, 61, .	2.9	4
106	On the hyperdeformed state of the³⁶Ar nucleus. Journal of Physics: Conference Series, 2010, 239, 012006.	0.4	4
107	ANALYTIC SOLUTIONS OF QCD MOTIVATED HAMILTONIANS AT LOW ENERGY. International Journal of Modern Physics E, 2011, 20, 192-199.	1.0	4
108	The concept of nuclear cluster forbiddenness. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 095109.	3.6	4

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109	Non-perturbative RPA-method implemented in the Coulomb gauge QCD Hamiltonian: From quarks and gluons to baryons and mesons. European Physical Journal A, 2018, 54, 1.	2.5	4
110	Review on the Pseudocomplex General Relativity and Dark Energy. Advances in High Energy Physics, 2019, 2019, 1-11.	1.1	4
111	Impact of noncoplanar degrees of freedom on quasifission contributions with the estimation of unobserved decay channels for the study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pt</mml:mi><mml:none /><mml:mo>*</mml:mo><mml:mprescripts /><mml:none /><mml:mn>196</mml:mn></mml:mmultiscripts></mml:math> using the dynamical cluster-decay model. Physical Review C, 2021, 103, .	2.9	4
112	Calculation of shape-isomeric-states with an extended Rotation-Vibration-Model. Zeitschrift FÃ¼r Physik A, 1981, 301, 301-308.	1.4	3
113	Gluon condensate as ground state of QCD. Physical Review D, 1987, 36, 242-250.	4.7	3
114	Schematic model for nuclear molecules as doorway states for fusion. Physical Review C, 1990, 42, 1632-1638.	2.9	3
115	Boson mapping of symplectic algebras with Abelian subalgebra mapped as coordinates. Journal of Mathematical Physics, 1995, 36, 1123-1135.	1.1	3
116	Phenomenological and semimicroscopic cluster models and their phase transitions. Journal of Physics: Conference Series, 2011, 322, 012010.	0.4	3
117	NONRELATIVISTIC LIMIT OF POINT-COUPLING MODEL. International Journal of Modern Physics E, 2011, 20, 139-163.	1.0	3
118	Simulations of accretion disks in pseudoâ€complex General Relativity. Astronomische Nachrichten, 2015, 336, 722-726.	1.2	3
119	A proposal of quantization in flat spaceâ€time with a minimal length present. Astronomische Nachrichten, 2015, 336, 739-743.	1.2	3
120	TDA and RPA pseudoscalar and vector solutions for the low energy regime of a motivated QCD Hamiltonian.. Journal of Physics: Conference Series, 2017, 876, 012022.	0.4	3
121	Theoretical estimates of the width of light-meson states in the SO(4) (2+1)-flavor limit. International Journal of Modern Physics E, 2018, 27, 1850001.	1.0	3
122	Reggeâ€"Wheeler and Zerilli equations within a modified theory of general relativity. Astronomische Nachrichten, 2019, 340, 89-94.	1.2	3
123	Possibility to form <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Z</mml:mi><mml:mo>=</mml:mo><mml:mn>120</mml via the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mn>64</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mi mat	2.9	3
124	Interacting boson-fermion limit of the SO(8) model of nuclei. Physical Review C, 1987, 35, 1896-1899.	2.9	2
125	The Semimicroscopic Algebraic Cluster Model: I. â€" Basic concepts and relations to other models. Il Nuovo Cimento A, 1997, 110, 921-926.	0.2	2
126	Shell model calculations for heavy deformed nuclei. European Physical Journal D, 1998, 48, 183-190.	0.4	2

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127	QUANTUM FIELD THEORY IN THE LIMIT xâ‰ª1. International Journal of Modern Physics A, 2000, 15, 1773-1816.	1.5	2
128	MODELLING THE NON-PERTURBATIVE VACUUM OF QCD. International Journal of Modern Physics E, 2006, 15, 1233-1242.	1.0	2
129	Phase transitions in algebraic cluster models. Journal of Physics: Conference Series, 2010, 239, 012005.	0.4	2
130	Clusterization and phase-transitions in atomic nuclei. , 2011, , .		2
131	Phase transitions for excited states in¹⁶O+Î± â†’²⁰Ne within the SACM. Journal of Physics: Conference Series, 2012, 387, 012019.	0.4	2
132	GENERALIZED VARIATIONAL PROCEDURE: AN APPLICATION TO NONPERTURBATIVE QCD. International Journal of Modern Physics E, 2013, 22, 1350071.	1.0	2
133	Geometry of pseudoâ€complex General Relativity. Astronomische Nachrichten, 2014, 335, 751-756.	1.2	2
134	QCD at low energy: The use of many-body methods. Journal of Physics: Conference Series, 2015, 639, 012014.	0.4	2
135	Analysis of a QCD Hamiltonian in the low energy regime.. Journal of Physics: Conference Series, 2016, 730, 012020.	0.4	2
136	Pseudo-Complex General Relativity. International Journal of Modern Physics Conference Series, 2017, 45, 1760002.	0.7	2
137	A review on algebraic extensions in general relativity. Astronomische Nachrichten, 2021, 342, 735-744.	1.2	2
138	Relativistic collective variables for many-body systems. Journal of Physics G: Nuclear Physics, 1982, 8, L179-L183.	0.8	1
139	Nonperturbative treatment of the gluonic ground state of QCD. Physical Review D, 1988, 37, 2019-2022.	4.7	1
140	Introduction of new coordinates in the description of many-gluon systems. Physical Review D, 1989, 40, 918-921.	4.7	1
141	Pseudo SU(3) approach to the Î²Î² decay. Progress in Particle and Nuclear Physics, 1994, 32, 333-334.	14.4	1
142	Î²Î² decay in heavy deformed nuclei. Nuclear Physics, Section B, Proceedings Supplements, 1994, 35, 381-383.	0.4	1
143	Bound states in quantum field theory. , 1997, , .		1
144	Comparative study of theSp (2,R) and theSp(6,R) models and an application to theBa chain of isotopes. Foundations of Physics, 1997, 27, 1061-1081.	1.3	1

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145	SU(3) description of the spin-orbit interaction. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 881-883.	3.6	1
146	Heavy Nuclear Molecules with 2 and 3 Clusters. Acta Physica Hungarica A Heavy Ion Physics, 2002, 16, 19-26.	0.4	1
147	Dimensional reduction, hard thermal loops, and the renormalization group. Physical Review D, 2004, 70, .	4.7	1
148	A simple interpretation of global trends in the lowest levels of p- and sd-shell nuclei. European Physical Journal A, 2006, 27, 277-282.	2.5	1
149	Exotic shapes and clusterization of atomic nuclei. Journal of Physics: Conference Series, 2010, 205, 012022.	0.4	1
150	PHASES OF CLUSTER STATES. International Journal of Modern Physics E, 2011, 20, 807-810.	1.0	1
151	RENORMALIZATION OF COHERENT STATE VARIABLES, WITHIN THE GEOMETRICAL MAPPING OF ALGEBRAIC MODELS. International Journal of Modern Physics E, 2013, 22, 1350022.	1.0	1
152	Baryonic properties of neutron stars within pseudoâ€complex General Relativity. Astronomische Nachrichten, 2014, 335, 745-750.	1.2	1
153	Pseudoâ€complex General Relativity and neutron stars. Astronomische Nachrichten, 2014, 335, 679-684.	1.2	1
154	In search of a broader microscopic underpinning of the potential energy surface in heavy deformed nuclei. Journal of Physics: Conference Series, 2017, 876, 012012.	0.4	1
155	Preface-IWARA2018. Astronomische Nachrichten, 2019, 340, 15-17.	1.2	1
156	Comparison of the predictions of the pseudocomplex general relativity to the observations of the Event Horizon Telescope collaboration. Astronomische Nachrichten, 2019, 340, 1001-1007.	1.2	1
157	The Role of the Pauli Exclusion Principle in Nuclear Physics Models. Symmetry, 2020, 12, 738.	2.2	1
158	Preface: 9th international workshop on astronomy and relativistic astrophysics: From quarks to cosmos. Astronomische Nachrichten, 2021, 342, 18-24.	1.2	1
159	Stability considerations of a Schwarzschild black hole with an dependent massâ€function. Astronomische Nachrichten, 0, , .	1.2	1
160	Approximate projection method for the construction of multi- Î± -cluster spaces. Physical Review C, 2021, 104, .	2.9	1
161	Experimental Tests of Pseudo-Complex General Relativity. Springer Proceedings in Physics, 2016, , 111-117.	0.2	1
162	Pseudo-spin symmetry and its applications. AIP Conference Proceedings, 1995, , .	0.4	0

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163	PHENOMENOLOGY OF NUCLEI AT VERY HIGH ANGULAR MOMENTA USING PARAMETRIZED TWO-CENTER NUCLEAR SHAPES. International Journal of Modern Physics E, 1995, 04, 789-800.	1.0	0
164	An introduction to the symplectic model of nuclei and nuclear molecules in one dimension. AIP Conference Proceedings, 1996, , .	0.4	0
165	Comparative studies of the 2Î½Î²Î² decay. European Physical Journal D, 1998, 48, 167-172.	0.4	0
166	Regge trajectories and the renormalization group. , 1998, , .		0
167	Î±-Clustering in Be Isotopes. Acta Physica Hungarica A Heavy Ion Physics, 2001, 13, 197-198.	0.4	0
168	BOUND STATES FROM REGGE TRAJECTORIES IN A SCALAR MODEL. International Journal of Modern Physics A, 2001, 16, 4377-4400.	1.5	0
169	Shape effects, U(3) symmetry and heavy clusterization. AIP Conference Proceedings, 2002, , .	0.4	0
170	The use of coherent states in the variational treatment of proton-neutron interactions. European Physical Journal A, 2002, 14, 355-364.	2.5	0
171	Nuclear Vibron Model with 2 and 3 Clusters for Heavy Nuclear Molecules. Acta Physica Hungarica A Heavy Ion Physics, 2003, 18, 259-266.	0.4	0
172	A short review on recent advances in cluster physics. AIP Conference Proceedings, 2004, , .	0.4	0
173	Deformation and Clusterization in Atomic Nuclei. AIP Conference Proceedings, 2005, , .	0.4	0
174	Clusterization and Deformation in Heavy Nuclei. AIP Conference Proceedings, 2005, , .	0.4	0
175	Spectroscopic Factors in an Algebraic Model. AIP Conference Proceedings, 2005, , .	0.4	0
176	Clusterization and quadrupole deformation in nuclei. AIP Conference Proceedings, 2006, , .	0.4	0
177	Ternary clusterizations in superdeformed and hyperdeformed states. AIP Conference Proceedings, 2006, , .	0.4	0
178	Clebsch-Gordan coefficients for U(8)âŠƒO(8)âŠƒSU(3). Journal of Mathematical Physics, 2006, 47, 063505.	1.1	0
179	Solvable models and hidden symmetries in QCD. , 2010, , .		0
180	QCD at low energy: a many-body approach. Journal of Physics: Conference Series, 2011, 322, 012016.	0.4	0

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181	The geometric interpretation of the semimicroscopic algebraic cluster model and the role of the Pauli principle. , 2012, , .		0
182	Neutron stars with dark energy. Journal of Physics: Conference Series, 2015, 578, 012008.	0.4	0
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