

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	via the \mathbb{Z}^2 action on \mathbb{C}^4 and its multiscrpts		
2	Preface: 9th international workshop on astronomy and relativistic astrophysics: From quarks to cosmos. <i>Astronomische Nachrichten</i> , 2021, 342, 18-24.	1.2	1
3	Pushing the limits of time beyond the Big Bang singularity: The branch cut universe. <i>Astronomische Nachrichten</i> , 2021, 342, 765-775.	1.2	9
4	Pushing the limits of time beyond the Big Bang singularity: Scenarios for the branch cut universe. <i>Astronomische Nachrichten</i> , 2021, 342, 776-787.	1.2	10
5	Impact of noncoplanar degrees of freedom on quasisfission contributions with the estimation of unobserved decay channels for the study of Pt using the dynamical cluster-decay model. <i>Physical Review C</i> , 2021, 103, .	2.9	4
6	A review on algebraic extensions in general relativity. <i>Astronomische Nachrichten</i> , 2021, 342, 735-744.	1.2	2
7	Special volume, preface "9th International Workshop on Astronomy and Relativistic Astrophysics: From Quarks to Cosmos. <i>Astronomische Nachrichten</i> , 2021, 342, 705-707.	1.2	0
8	Axial ringdown modes in general relativity and in its pseudo-complex extension. <i>Astronomische Nachrichten</i> , 2021, 342, 135-141.	1.2	0
9	Approximate projection method for the construction of multi- \hat{L}_\pm -cluster spaces. <i>Physical Review C</i> , 2021, 104, .	2.9	1
10	Quantum phase transitions within a nuclear cluster model and an effective model of QCD. <i>Nuclear Physics A</i> , 2021, 1016, 122335.	1.5	5
11	Results on quantum phase transitions within the semimicroscopic algebraic cluster model and extension to deformed clusters. <i>Journal of Physics: Conference Series</i> , 2020, 1610, 012006.	0.4	0
12	Alternatives to Einstein's General Relativity Theory. <i>Progress in Particle and Nuclear Physics</i> , 2020, 114, 103809.	14.4	10
13	The Role of the Pauli Exclusion Principle in Nuclear Physics Models. <i>Symmetry</i> , 2020, 12, 738.	2.2	1
14	Analysis of the alpha-transfer reaction in the $^{12}\text{C} + ^{16}\text{O}$ system using the semi-microscopic algebraic cluster model. <i>European Physical Journal A</i> , 2019, 55, 1.	2.5	6
15	Review on the Pseudocomplex General Relativity and Dark Energy. <i>Advances in High Energy Physics</i> , 2019, 2019, 1-11.	1.1	4
16	Quantum Phase Transitions within the Semimicroscopic Algebraic Cluster Model. <i>Nuclear Physics A</i> , 2019, 992, 121629.	1.5	6
17	Preface-IWARA2018. <i>Astronomische Nachrichten</i> , 2019, 340, 15-17.	1.2	1
18	Kerr Black Holes within a Modified Theory of Gravity. <i>Universe</i> , 2019, 5, 191.	2.5	13

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19	Predictions of the pseudo-complex theory of Gravity for EHT observations – II: theory and predictions. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 485, L121-L125.	3.3	5
20	Regge-Wheeler and Zerilli equations within a modified theory of general relativity. Astronomische Nachrichten, 2019, 340, 89-94.	1.2	3
21	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
22	Predictions of the pseudo-complex theory of gravity for EHT observations – I. Observational tests. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 485, L34-L37.	3.3	7
23	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
24	12C within the Semimicroscopic Algebraic Cluster Model. European Physical Journal A, 2018, 54, 1.	2.5	13
25	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
26	Structure of baryon states from non-perturbative methods. Journal of Physics: Conference Series, 2018, 1078, 012021.	0.4	0
27	Recovery of the Center-of-Mass Galilean invariance of a NR-QCD motivated Hamiltonian. Journal of Physics: Conference Series, 2018, 1078, 012002.	0.4	0
28	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
29	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
30	Walter Greiner: In Memoriam. International Journal of Modern Physics Conference Series, 2017, 45, 1760001.	0.7	0
31	Predictions of the pseudo-complex general relativity. Astronomische Nachrichten, 2017, 338, 1009-1014.	1.2	0
32	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
33	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
34	Pseudo-Complex General Relativity. International Journal of Modern Physics Conference Series, 2017, 45, 1760002.	0.7	2
35	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
36	Cluster physics and the importance of forbiddenness. Journal of Physics: Conference Series, 2016, 730, 012014.	0.4	0

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37	Phase transitions for rotational states within an algebraic cluster model. Journal of Physics: Conference Series, 2016, 730, 012017.	0.4	0
38	Analysis of a QCD Hamiltonian in the low energy regime.. Journal of Physics: Conference Series, 2016, 730, 012020.	0.4	2
39	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
40	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
41	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
42	Microscopically derived potential energy surfaces from mostly structural considerations. Annals of Physics, 2016, 371, 125-158.	2.8	5
43	Pseudo-Complex General Relativity. , 2016, , .		17
44	Experimental Tests of Pseudo-Complex General Relativity. Springer Proceedings in Physics, 2016, , 111-117.	0.2	1
45	There are No Black Holesâ€”Pseudo-Complex General Relativity. Springer Proceedings in Physics, 2016, , 33-42.	0.2	0
46	Simulations of accretion disks in pseudoâ€“complex General Relativity. Astronomische Nachrichten, 2015, 336, 722-726.	1.2	3
47	QCD at low energy: The use of many-body methods. Journal of Physics: Conference Series, 2015, 639, 012014.	0.4	2
48	Neutron stars with dark energy. Journal of Physics: Conference Series, 2015, 578, 012008.	0.4	0
49	A proposal of quantization in flat spaceâ€“time with a minimal length present. Astronomische Nachrichten, 2015, 336, 739-743.	1.2	3
50	Evaporation residue cross-section in the decay of $^{254}\text{No}^*$ formed in $^{206}\text{Pb} + ^{48}\text{Ca}$ and its isotopic dependence using other Pb targets within the dynamical cluster-decay model. Nuclear Physics A, 2015, 938, 22-44.	1.5	10
51	The concept of nuclear cluster forbiddenness. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 095109.	3.6	4
52	An Introduction to the Mathematics of Pseudo-complex General Relativity. , 2015, , 265-274.		0
53	Baryonic properties of neutron stars within pseudoâ€“complex General Relativity. Astronomische Nachrichten, 2014, 335, 745-750.	1.2	1
54	Geometry of pseudoâ€“complex General Relativity. Astronomische Nachrichten, 2014, 335, 751-756.	1.2	2

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55	Pseudo-complex General Relativity and neutron stars. <i>Astronomische Nachrichten</i> , 2014, 335, 679-684.	1.2	1
56	Neutron stars within pseudo-complex general relativity. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014, 41, 105201.	3.6	9
57	Ray-tracing in pseudo-complex General Relativity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 121-130.	4.4	28
58	Experimental tests of pseudo-complex General Relativity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 2999-3009.	4.4	32
59	GENERALIZED VARIATIONAL PROCEDURE: AN APPLICATION TO NONPERTURBATIVE QCD. <i>International Journal of Modern Physics E</i> , 2013, 22, 1350071.	1.0	2
60	RENORMALIZATION OF COHERENT STATE VARIABLES, WITHIN THE GEOMETRICAL MAPPING OF ALGEBRAIC MODELS. <i>International Journal of Modern Physics E</i> , 2013, 22, 1350022.	1.0	1
61	The geometric interpretation of the semimicroscopic algebraic cluster model and the role of the Pauli principle. , 2012, , .		0
62	Phenomenological and microscopic cluster models. I. The geometric mapping. <i>Physical Review C</i> , 2012, 85, .	2.9	15
63	Application of the semimicroscopic algebraic cluster model to core $^{A\pm}$ nuclei in the p and n shells. <i>Physical Review C</i> , 2012, 85, .	2.9	14
64	PSEUDO-COMPLEX GENERAL RELATIVITY: SCHWARZSCHILD, REISSNER-NORDSTRÖM AND KERR SOLUTIONS. <i>International Journal of Modern Physics E</i> , 2012, 21, 1250015.	1.0	26
65	Phase transitions for excited states in $^{16}\text{O} + ^{20}\text{Ne}$ within the SACM. <i>Journal of Physics: Conference Series</i> , 2012, 387, 012019.	0.4	2
66	Phenomenological and microscopic cluster models. II. Phase transitions. <i>Physical Review C</i> , 2012, 85, .	2.9	10
67	QCD at low energy: a many-body approach. <i>Journal of Physics: Conference Series</i> , 2011, 322, 012016.	0.4	0
68	Phenomenological and semimicroscopic cluster models and their phase transitions. <i>Journal of Physics: Conference Series</i> , 2011, 322, 012010.	0.4	3
69	Projected shell model study of yrast states of neutron-deficient odd-mass Pr nuclei. <i>Physical Review C</i> , 2011, 83, .	2.9	34
70	Clusterization in the shape isomers of the ^{56}Ni nucleus. <i>Physical Review C</i> , 2011, 84, .	2.9	16
71	ANALYTIC SOLUTIONS OF QCD MOTIVATED HAMILTONIANS AT LOW ENERGY. <i>International Journal of Modern Physics E</i> , 2011, 20, 192-199.	1.0	4
72	PHASES OF CLUSTER STATES. <i>International Journal of Modern Physics E</i> , 2011, 20, 807-810.	1.0	1

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73	NONRELATIVISTIC LIMIT OF POINT-COUPPLING MODEL. International Journal of Modern Physics E, 2011, 20, 139-163.	1.0	3
74	Clusterization and phase-transitions in atomic nuclei. , 2011, , .		2
75	Phase transitions in algebraic cluster models. Journal of Physics: Conference Series, 2010, 239, 012005.	0.4	2
76	On the hyperdeformed state of the ^{36}Ar nucleus. Journal of Physics: Conference Series, 2010, 239, 012006.	0.4	4
77	Exotic shapes and clusterization of atomic nuclei. Journal of Physics: Conference Series, 2010, 205, 012022.	0.4	1
78	Solvable model for many-quark systems in QCD Hamiltonians. Physical Review C, 2010, 81, .	2.9	17
79	THERE ARE NO BLACK HOLES " PSEUDO-COMPLEX GENERAL RELATIVITY: REVIEW AND SOME PREDICTIONS. International Journal of Modern Physics D, 2010, 19, 1217-1232.	2.1	6
80	THE ROBERTSON " WALKER METRIC IN A PSEUDO-COMPLEX GENERAL RELATIVITY. International Journal of Modern Physics E, 2010, 19, 1315-1339.	1.0	16
81	Solvable models and hidden symmetries in QCD. , 2010, , .		0
82	High-precision $\langle \sigma_{\text{rel}} \rangle$ for p - p collisions. Physical Review Letters, 2010, 105, 022301.	2.9	38
83	PSEUDO-COMPLEX GENERAL RELATIVITY. International Journal of Modern Physics E, 2009, 18, 51-77.	1.0	65
84	PHASE-TRANSITIONS AND NUCLEAR CLUSTERIZATION. International Journal of Modern Physics E, 2008, 17, 2296-2300.	1.0	6
85	PSEUDO-COMPLEX FIELD THEORY. International Journal of Modern Physics E, 2007, 16, 1643-1679.	1.0	19
86	From Self-Consistent Covariant Effective Field Theories to Their Galilean-Invariant Counterparts. Physical Review Letters, 2007, 98, 262501.	7.8	10
87	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
88	Ternary clusterization and quadrupole deformation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 639, 451-455.	4.1	26
89	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
90	Clusterization and quadrupole deformation in nuclei. AIP Conference Proceedings, 2006, , .	0.4	0

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91	Ternary clusterizations in superdeformed and hyperdeformed states. AIP Conference Proceedings, 2006, , .	0.4	0
92	Phase transitions in algebraic cluster models. Physical Review C, 2006, 74, .	2.9	24
93	Clebsch-Gordan coefficients for $U(8) \times O(8) \times SU(3)$. Journal of Mathematical Physics, 2006, 47, 063505.	1.1	0
94	Exactly solvable model of low energy QCD. Physical Review C, 2006, 73, .	2.9	8
95	MODELLING THE NON-PERTURBATIVE VACUUM OF QCD. International Journal of Modern Physics E, 2006, 15, 1233-1242.	1.0	2
96	Deformation and Clusterization in Atomic Nuclei. AIP Conference Proceedings, 2005, , .	0.4	0
97	Clusterization and Deformation in Heavy Nuclei. AIP Conference Proceedings, 2005, , .	0.4	0
98	Spectroscopic Factors in an Algebraic Model. AIP Conference Proceedings, 2005, , .	0.4	0
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	Dimensional reduction, hard thermal loops, and the renormalization group. Physical Review D, 2004, 70, .	4.7	1
101	Deformation dependence of nuclear clusterization. Physical Review C, 2004, 70, .	2.9	40
102	Modeling pentaquark and heptaquark states. Physical Review C, 2004, 70, .	2.9	7
103	Quantum mechanics in dissipative systems with a strong magnetic field. Physical Review A, 2004, 70, .	2.5	5
104	Schematic model for QCD. III. Hadronic states. Physical Review C, 2004, 70, .	2.9	8
105	A short review on recent advances in cluster physics. AIP Conference Proceedings, 2004, , .	0.4	0
106	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
107	A TOY MODEL FOR QCD AT LOW AND HIGH TEMPERATURES. , 2004, , .		0
108	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

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109	Schematic model for QCD. I. Low energy meson states. <i>Physical Review C</i> , 2003, 67, .	2.9	15
110	Schematic model for QCD. II. Finite temperature regime. <i>Physical Review C</i> , 2003, 67, .	2.9	10
111	A nuclear vibron model applied to light and heavy nuclear molecules. <i>Physical Review C</i> , 2003, 68, .	2.9	5
112	Potential energy surfaces and spectra of superheavy elements. <i>Physical Review C</i> , 2003, 68, .	2.9	9
113	Theoretical description of double β^2 decay of ^{160}Gd . <i>Physical Review C</i> , 2002, 66, .	2.9	8
114	Schematic model for QCD at finite temperature. <i>Physical Review C</i> , 2002, 66, .	2.9	6
115	Double-Beta Decay in Deformed Nuclei. <i>European Physical Journal D</i> , 2002, 52, 513-519.	0.4	7
116	Shape effects, $U(3)$ symmetry and heavy clusterization. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	0
117	Selection rules in the $\hat{1}^2\hat{1}^2$ decay of deformed nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 534, 57-62.	4.1	11
118	Heavy Nuclear Molecules with 2 and 3 Clusters. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2002, 16, 19-26.	0.4	1
119	The use of coherent states in the variational treatment of proton-neutron interactions. <i>European Physical Journal A</i> , 2002, 14, 355-364.	2.5	0
120	Configuration-mixed effective $SU(3)$ symmetries. <i>European Physical Journal A</i> , 2002, 15, 449-454.	2.5	31
121	$\hat{1}^{\pm}$ -Clustering in Be Isotopes. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2001, 13, 197-198.	0.4	0
122	Collective spectra of $\hat{1}^{\pm}$ -like giant trinuclear molecules. <i>Physical Review C</i> , 2001, 63, .	2.9	13
123	BOUND STATES FROM REGGE TRAJECTORIES IN A SCALAR MODEL. <i>International Journal of Modern Physics A</i> , 2001, 16, 4377-4400.	1.5	0
124	$\hat{1}^{\pm}$ -cluster structure in Be isotopes. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2001, 27, 2019-2035.	3.6	19
125	From Common Many-Body Problems to Uncommon Two-Body Problems: An Algebraic Approach to Clusterization. <i>Few-Body Systems</i> , 2000, 29, 61-74.	1.5	8
126	Collective modes of tri-nuclear molecules. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2000, 26, 957-980.	3.6	8

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127	Fermion and boson condensates in a QCD-inspired model Hamiltonian. Physical Review C, 2000, 61, .	2.9	4
128	QUANTUM FIELD THEORY IN THE LIMIT $\hbar \rightarrow 1$. International Journal of Modern Physics A, 2000, 15, 1773-1816.	1.5	2
129	Molecular collective vibrations in the ternary neutronless fission of ^{252}Cf . Journal of Physics G: Nuclear and Particle Physics, 1999, 25, L147-L153.	3.6	8
130	Exotic clusterizations and the $\text{SU}(3)$ selection rule. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 775-777.	3.6	5
131	Collective modes of tri-nuclear molecules of the type $^{96}\text{Sr}+^{10}\text{Be}+^{146}\text{Ba}$. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, L139-L145.	3.6	10
132	$\text{SU}(3)$ description of the spin-orbit interaction. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 881-883.	3.6	1
133	Spontaneous and dynamical breaking of mean field symmetries in the proton-neutron quasiparticle random phase approximation and the description of double β decay transitions. Physical Review C, 1999, 59, 194-199.	2.9	13
134	Boson expansion techniques, the Pauli principle, and the quasiparticle random phase approximation phase transition. Physical Review C, 1999, 60, .	2.9	4
135	Glueball spectrum from an effective hamiltonian. European Physical Journal C, 1999, 9, 121-140.	3.9	11
136	Shell model calculations for heavy deformed nuclei. European Physical Journal D, 1998, 48, 183-190.	0.4	2
137	Comparative studies of the $2\hat{1}^{\frac{1}{2}}\hat{2}^{\frac{1}{2}}$ decay. European Physical Journal D, 1998, 48, 167-172.	0.4	0
138	Spontaneous fission and clusterization. Journal of Physics G: Nuclear and Particle Physics, 1998, 24, 2111-2118.	3.6	8
139	Interplay between the quadrupole-quadrupole and spin-orbit interactions in nuclei. Physical Review C, 1998, 58, 1488-1499.	2.9	22
140	Regge trajectories and the renormalization group. , 1998, , .		0
141	H_2^+ ion in strong magnetic field: A variational study. Physical Review A, 1997, 56, 4496-4500.	2.5	18
142	Single- and double-beta decay Fermi transitions in an exactly solvable model. Physical Review C, 1997, 56, 199-211.	2.9	36
143	Bound states in quantum field theory. , 1997, , .		1
144	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

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145	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
146	The Semimicroscopic Algebraic Cluster Model: I. " Basic concepts and relations to other models. II Nuovo Cimento A, 1997, 110, 921-926.	0.2	2
147	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
148	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
149	Geometrical Relation of the SACM. Lecture Notes in Physics, 1997, , 287-294.	0.7	0
150	An introduction to the symplectic model of nuclei and nuclear molecules in one dimension. AIP Conference Proceedings, 1996, , .	0.4	0
151	Geometrical interpretation of the semimicroscopic algebraic cluster model. Physical Review C, 1996, 54, 2345-2355.	2.9	32
152	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
153	Boson mapping of symplectic algebras with Abelian subalgebra mapped as coordinates. Journal of Mathematical Physics, 1995, 36, 1123-1135.	1.1	3
154	Nuclear Molecular Potentials Based on a Symplectic Microscopic Model. Annals of Physics, 1995, 240, 22-55.	2.8	6
155	Double-beta decay to excited states in 150Nd. Nuclear Physics A, 1995, 589, 445-459.	1.5	26
156	Neutrinoless double beta decay in heavy deformed nuclei. Nuclear Physics A, 1995, 582, 124-140.	1.5	54
157	Pseudo-spin symmetry and its applications. AIP Conference Proceedings, 1995, , .	0.4	0
158	Double-beta decay ofMo100: The deformed limit. Physical Review C, 1995, 51, 2252-2255.	2.9	38
159	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
160	Microscopically derived potential-energy surfaces for the chain of Sm-isotopes. Nuclear Physics A, 1994, 577, 605-623.	1.5	5
161	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
162	Double-beta decay in the pseudo SU(3) scheme. Nuclear Physics A, 1994, 571, 276-300.	1.5	34

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163	Investigations of rotational nuclei via the pseudo-symplectic model. Nuclear Physics A, 1994, 576, 351-386.	1.5	35
164	Pseudo SU(3) approach to the $\hat{2}\hat{1}^2$ decay. Progress in Particle and Nuclear Physics, 1994, 32, 333-334.	14.4	1
165	$\hat{2}\hat{1}^2$ decay in heavy deformed nuclei. Nuclear Physics, Section B, Proceedings Supplements, 1994, 35, 381-383.	0.4	1
166	Microscopic interpretation of potential energy surfaces. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 277, 27-32.	4.1	7
167	A general numerical solution of collective quadrupole surface motion applied to microscopically calculated potential energy surfaces. Zeitschrift für Physik A, 1992, 343, 25-34.	0.9	24
168	Pseudo-symplectic model for strongly deformed heavy nuclei. Nuclear Physics A, 1991, 524, 469-478.	1.5	57
169	The gluonic many-body problem in a one-level approximation. Annals of Physics, 1991, 211, 112-157.	2.8	8
170	Shape transitions and shape coexistence in the Ru and Hg chains. Zeitschrift für Physik A, 1991, 338, 261-270.	0.9	52
171	Young diagrams as Kronecker products of symmetric or antisymmetric components. Journal of Physics A, 1990, 23, L229-L236.	1.6	9
172	Schematic model for nuclear molecules as doorway states for fusion. Physical Review C, 1990, 42, 1632-1638.	2.9	3
173	Collectivity and geometry. VI. Spectra and shapes in the three-dimensional case. Journal of Mathematical Physics, 1989, 30, 970-980.	1.1	5
174	Introduction of new coordinates in the description of many-gluon systems. Physical Review D, 1989, 40, 918-921.	4.7	1
175	Nonperturbative treatment of the gluonic ground state of QCD. Physical Review D, 1988, 37, 2019-2022.	4.7	1
176	Collectivity and geometry. V. Spectra and shapes in the two-dimensional case. Journal of Mathematical Physics, 1987, 28, 2223-2240.	1.1	19
177	Interacting boson-fermion limit of the SO(8) model of nuclei. Physical Review C, 1987, 35, 1896-1899.	2.9	2
178	Gluon condensate as ground state of QCD. Physical Review D, 1987, 36, 242-250.	4.7	3
179	A quasiboson approximation for an interacting many-gluon system. Nuclear Physics A, 1987, 468, 414-428.	1.5	5
180	Comment on "Quantization of asymmetric shapes in nuclei". Physical Review Letters, 1986, 56, 400-400.	4.0	5

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181	Interacting many-gluon systems within the MIT bag model. <i>Physical Review D</i> , 1986, 34, 258-268.	4.7	8
182	Collectivity and geometry. II. The two-dimensional case. <i>Journal of Mathematical Physics</i> , 1984, 25, 1565-1576.	1.1	22
183	Structure of Giant Nuclear Molecules. <i>Physical Review Letters</i> , 1984, 53, 1535-1538.	7.8	26
184	Comparison of different collective models describing the low spin structure of ^{168}Er . <i>Physical Review C</i> , 1984, 30, 1779-1782.	2.9	12
185	The collective modes of nuclear molecules. <i>Il Nuovo Cimento A</i> , 1984, 83, 76-118.	0.2	27
186	Complete set of states for microscopic nuclear collective models. <i>Journal of Mathematical Physics</i> , 1982, 23, 2537-2553.	1.1	31
187	Microscopic derivation of nuclear collective variables. <i>Physical Review C</i> , 1982, 25, 1611-1615.	2.9	8
188	Relativistic collective variables for many-body systems. <i>Journal of Physics G: Nuclear Physics</i> , 1982, 8, L179-L183.	0.8	1
189	Calculation of shape-isomeric-states with an extended Rotation-Vibration-Model. <i>Zeitschrift für Physik A</i> , 1981, 301, 301-308.	1.4	3
190	Different deformations of proton and neutron distributions in nuclei. <i>Physical Review C</i> , 1981, 23, 2335-2337.	2.9	18
191	Confrontations between the interacting boson approximation and the Bohr-Mottelson model. <i>Physical Review C</i> , 1981, 24, 1367-1370.	2.9	20
192	The general collective model applied to the chains of Pt, Os and W isotopes. <i>Journal of Physics G: Nuclear Physics</i> , 1981, 7, 737-769.	0.8	85
193	General collective model and its application to ^{92}Zr and ^{238}U . <i>Zeitschrift für Physik A</i> , 1980, 296, 147-163.	1.4	87
194	A gradient formula for the group $U(2l+1)$. <i>Journal of Physics G: Nuclear Physics</i> , 1978, 4, L59-L63.	0.8	12
195	Stability considerations of a Schwarzschild black hole with an dependent mass function. <i>Astronomische Nachrichten</i> , 0, , .	1.2	1