Peter Ring

List of Publications by Year
in descending order

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175 papers	19,702 citations	13818 67 h-index	16102 125 g-index
178 all docs	178 docs citations	178 times ranked	4354 citing authors

#	Article	IF	Citations
1	Nuclear ground-state properties probed by the relativistic Hartreeâ€“Bogoliubov approach. Atomic Data and Nuclear Data Tables, 2024, 156, 101635.	2.7	0
2	Microscopic optical potential from the relativistic Brueckner-Hartree-Fock theory: Proton-nucleus scattering. Physical Review C, 2024, 109, .	2.9	0
3	Coexistence of pure octupole shapes in the superheavy nucleus 286No. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2024, 856, 138893.	4.1	0
4	The optimized point-coupling interaction for the relativistic energy density functional of Hartree-Bogoliubov approach quantifying the nuclear bulk properties. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 842, 137946.	4.1	0
5	Neutron-proton effective mass splitting in neutron-rich matter. Physical Review C, 2023, 108, .	2.9	2
6	Impact of isovector pairing fluctuations on neutrinoless double- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> decay in multireference covariant density functional theory. Physical Review C, 2023, 108, .	2.9	2
7	Accurate Relativistic Chiral Nucleon-Nucleon Interaction up to Next-to-Next-to-Leading Order. Physical Review Letters, 2022, 128, 142002.	8.0	19
8	Beyond-mean-field approaches for nuclear neutrinoless double beta decay in the standard mechanism. Progress in Particle and Nuclear Physics, 2022, 126, 103965.	14.9	27
9	Many-body approach to superfluid nuclei in axial geometry. Physical Review C, 2022, 105, .	2.9	8
10	Asymmetric nuclear matter and neutron star properties in relativistic ab initio theory in the full Dirac space. Physical Review C, 2022, 106, .	2.9	10
11	Nuclear matter in relativistic Brueckner-Hartree-Fock theory with Bonn potential in the full Dirac space. Physical Review C, 2021, 103, .	2.9	21
12	Symmetry restoration in mean-field approaches. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 123001.	3.5	75
13	Laser Spectroscopy of Neutron-Rich <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Hg</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>207</mml:mn><mml:mo>,</mml:mo><mml:mn>208</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Isotopes: Illuminating the Kink and Odd-Even Staggering in Charge Radii across the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi></mml:math>	8.6	49
14	Charge radii, moments, and masses of mercury isotopes across the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>126</mml:mn></mml:math> shell closure. Physical Review C, 2021, 104, .	2.9	11
15	Finite-temperature linear response theory based on relativistic Hartree Bogoliubov model with point-coupling interaction. Physical Review C, 2021, 104, .	2.9	5
16	Charge radii in covariant density functional theory: A global view. Physical Review C, 2021, 104, .	2.9	40
17	Parametric correlations in energy density functionals. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135065.	4.1	40
18	Two-quasiparticle <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>K</mml:mi></mml:math> isomers within the covariant density functional theory. Physical Review C, 2020, 102, .	2.9	8

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19	Towards an ab initio covariant density functional theory for nuclear structure. Progress in Particle and Nuclear Physics, 2019, 109, 103713.	14.9	87
20	A rotating Î±-chain in the nucleus 12C. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.4	4
21	Giant resonances with time dependent covariant density functional theory. European Physical Journal A, 2019, 55, 1.	2.5	2
22	Effects of tensor forces in nuclear spinâ€“orbit splittings from ab initio calculations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 344-348.	4.1	36
23	Spin symmetry in the Dirac sea derived from the bare nucleonâ€“nucleon interaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 227-231.	4.1	19
24	Leading order relativistic chiral nucleon-nucleon interaction. Chinese Physics C, 2018, 42, 014103.	3.6	53
25	Effects of Tensor Force in the Relativistic Scheme: A Case Study of Neutron Drops. , 2018, , .		0
26	Relativistic Brueckner-Hartree-Fock theory in nuclear matter without the average momentum approximation. Physical Review C, 2018, 98, .	2.9	31
27	Relativistic Brueckner-Hartree-Fock theory for neutron drops. Physical Review C, 2018, 97, .	2.9	27
28	Nuclear matrix element of neutrinoless double-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math>decay: Relativity and short-range correlations. Physical Review C, 2017, 95, .	2.9	66
29	Spin-orbit splittings of neutron states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>20</mml:mn></mml:mrow></mml:math>from covariant density functionals and their extensions. Physical Review C, 2017, 95, .	2.9	20
30	Influence of pairing correlations on the radius of neutron-rich nuclei. Physical Review C, 2017, 95, .	2.9	11
31	Fully self-consistent relativistic Brueckner-Hartree-Fock theory for finite nuclei. Physical Review C, 2017, 96, .	2.9	47
32	Assessing theoretical uncertainties in fission barriers of superheavy nuclei. Physical Review C, 2017, 95, .	2.9	51
33	Covariant Density Functional Theory and Beyond for Deformed Nuclei. , 2017, , .		0
34	Relativistic Brueckneraâ€”Hartreeâ€”Fock Theory for Finite Nuclei. Chinese Physics Letters, 2016, 33, 102103.	3.4	40
35	Covariant density functional theory for decay of deformed proton emitters: A self-consistent approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 237-241.	4.1	6
36	Octupole deformation in the ground states of even-even nuclei: A global analysis within the covariant density functional theory. Physical Review C, 2016, 93, .	2.9	107

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37	Configuration interaction in symmetry-conserving covariant density functional theory. Physical Review C, 2016, 94, .	2.9	16
38	Anatomy of molecular structures in 20 Ne. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 227-231.	4.1	42
39	Concept of covariant density functional theory. International Review of Nuclear Physics, 2016, , 1-20.	0.0	5
40	Relativistic mean-field theory. International Review of Nuclear Physics, 2016, , 21-81.	0.0	8
41	Relativistic mean field description of exotic nuclei. International Review of Nuclear Physics, 2016, , 83-141.	0.0	0
42	Nuclear shell structure and response with quasiparticle-vibration coupling. International Review of Nuclear Physics, 2016, , 469-516.	0.0	3
43	Covariant density functional theory: Reexamining the structure of superheavy nuclei. Physical Review C, 2015, 92, .	2.9	80
44	Slope-dependent nuclear-symmetry energy within the effective-surface approximation. Physical Review C, 2015, 92, .	2.9	4
45	Derivative corrections to the symmetry energy and the isovector dipole-resonance structure in nuclei. Physica Scripta, 2015, 90, 114009.	2.5	4
46	Neutron drip line: Single-particle degrees of freedom and pairing properties as sources of theoretical uncertainties. Physical Review C, 2015, 91, .	2.9	78
47	Systematic study of nuclear matrix elements in neutrinoless double-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math>decay with a beyond-mean-field covariant density functional theory. Physical Review C, 2015, 91, .	2.9	124
48	Nuclear energy density functionals: What we can learn about/from their global performance?. AIP Conference Proceedings, 2014, , .	1.0	0
49	Relativistic description of nuclear matrix elements in neutrinoless double-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math>decay. Physical Review C, 2014, 90, .	2.9	62
50	Influence of pairing correlations on the size of the nucleus in relativistic continuum Hartree-Bogoliubov theory. Physical Review C, 2014, 89, .	2.9	20
51	Global performance of covariant energy density functionals: Ground state observables of even-even nuclei and the estimate of theoretical uncertainties. Physical Review C, 2014, 89, .	2.9	196
52	Isovector dipole-resonance structure within the effective surface approximation. Physica Scripta, 2014, 89, 054019.	2.5	7
53	DIRHBâ€”A relativistic self-consistent mean-field framework for atomic nuclei. Computer Physics Communications, 2014, 185, 1808-1821.	7.8	206
54	Microscopic benchmark study of triaxiality in low-lying states of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow /><mml:mn>76</mml:mn></mml:msup><mml:mi>Kr</mml:mi></mml:math>. Physical Review C, 2014, 89, .	2.9	87

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55	Application of the inverse Hamiltonian method to Hartree-Fock-Bogoliubov calculations. Physical Review C, 2013, 88, .	2.9	5
56	Relativistic two-phonon model for the low-energy nuclear response. Physical Review C, 2013, 88, .	2.9	41
57	Quantum fluctuations in the collective<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>0</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:math>states of deformed nuclei. Physical Review C, 2013, 88, .	2.9	15
58	Effect of pairing correlations on nuclear low-energy structure: BCS and general Bogoliubov transformation. Physical Review C, 2013, 88, .	2.9	18
59	Nuclear landscape in covariant density functional theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 680-684.	4.1	93
60	Nuclear asymmetry energy and isovector stiffness within the effective surface approximation. Physical Review C, 2013, 87, .	2.9	14
61	Microscopic and self-consistent description for neutron halo in deformed nuclei. AIP Conference Proceedings, 2013, , .	1.0	1
62	Implementation of the finite amplitude method for the relativistic quasiparticle random-phase approximation. Physical Review C, 2013, 88, .	2.9	48
63	Relativistic description of magnetic moments in nuclei with doubly closed shells plus or minus one nucleon. Physical Review C, 2013, 88, .	2.9	23
64	MICROSCOPIC DESCRIPTION FOR THE NUCLEAR MAGNETIC AND ANTIMAGNETIC ROTATION. , 2013, , .		0
65	Berry Phase and Backbending. , 2013, , 522-535.		0
66	Odd Systems in Deformed Relativistic Hartree Bogoliubov Theory in Continuum. Chinese Physics Letters, 2012, 29, 042101.	3.4	51
67	Local covariant density functional constrained by the relativistic Hartree-Fock theory. AIP Conference Proceedings, 2012, , .	1.0	1
68	Magnetic and antimagnetic rotation in covariant density functional theory. AIP Conference Proceedings, 2012, , .	1.0	1
69	Halos in a deformed relativistic Hartree-Bogoliubov theory in continuum. AIP Conference Proceedings, 2012, , .	1.0	2
70	Magnetic rotations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>198</mml:mn></mml:msup></mml:math>Pb and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>199</mml:mn></mml:msup></mml:math>Pb within covariant density functional theory. Physical Review C, 2012, 85, .	2.9	43
71	Localized form of Fock terms in nuclear covariant density functional theory. Physical Review C, 2012, 86, .	2.9	33
72	Deformed relativistic Hartree-Bogoliubov theory in continuum. Physical Review C, 2012, 85, .	2.9	132

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73	Efficient method for computing the Thouless-Valatin inertia parameters. Physical Review C, 2012, 86, .	2.9	25
74	Covariant density functional theory for antimagnetic rotation. Physical Review C, 2012, 85, .	2.9	87
75	Fission barriers in covariant density functional theory: Extrapolation to superheavy nuclei. Physical Review C, 2012, 85, .	2.9	126
76	RECENT PROGRESS IN THE STUDY OF FISSION BARRIERS IN COVARIANT DENSITY FUNCTIONAL THEORY. International Journal of Modern Physics E, 2012, 21, 1250025.	1.0	4
77	Energy density functional theory in nuclei: does it have to be relativistic?. Physica Scripta, 2012, T150, 014035.	2.5	9
78	Structure of the pygmy dipole resonance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow/><mml:mn>124</mml:mn></mml:msup></mml:math>Sn. Physical Review C, 2012, 85, .	2.9	58
79	Fragmentation of spin-dipole strength in 90Zr and 208Pb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 477-481.	4.1	40
80	Microscopic description of quantum shape fluctuation in C isotopes. Physical Review C, 2011, 84, .	2.9	21
81	Spectroscopy of the heaviest nuclei (theory). Journal of Physics: Conference Series, 2011, 312, 092004.	0.4	9
82	Neutron halo in deformed nuclei from a relativistic Hartree-Bogoliubov model in a Woods-Saxon basis. Journal of Physics: Conference Series, 2011, 312, 092067.	0.4	6
83	Relativistic nuclear energy density functionals: Mean-field and beyond. Progress in Particle and Nuclear Physics, 2011, 66, 519-548.	14.9	457
84	g factors of nuclear low-lying states: A covariant description. Science China: Physics, Mechanics and Astronomy, 2011, 54, 198-203.	5.4	7
85	Relativistic description of second-order correction to nuclear magnetic moments with point-coupling residual interaction. Science China: Physics, Mechanics and Astronomy, 2011, 54, 204-209.	5.4	34
86	Novel structure for magnetic rotation bands in 60Ni. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 181-186.	4.1	140
87	Self-consistent description of proton radioactivity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 508-511.	4.1	35
88	Antimagnetic Rotation Band in Nuclei: A Microscopic Description. Physical Review Letters, 2011, 107, 122501.	8.0	132
89	Configuration mixing of angular-momentum-projected triaxial relativistic mean-field wave functions. II. Microscopic analysis of low-lying states in magnesium isotopes. Physical Review C, 2011, 83, .	2.9	93
90	Relativistic mean-field interaction with density-dependent meson-nucleon vertices based on microscopical calculations. Physical Review C, 2011, 84, .	2.9	160

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91	Relativistic continuum quasiparticle random-phase approximation in spherical nuclei. Physical Review C, 2011, 83, .	2.9	25
92	Nuclear structure in strong magnetic fields: Nuclei in the crust of a magnetar. Physical Review C, 2011, 84, .	2.9	41
93	Particle-number-projected Hartreeâ€“Fockâ€“Bogoliubov study with effective shell model interactions. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 045101.	3.5	10
94	MODERN APPLICATIONS OF COVARIANT DENSITY FUNCTIONAL THEORY. International Journal of Modern Physics E, 2011, 20, 235-243.	1.0	11
95	BEYOND THE RELATIVISTIC MEAN-FIELD APPROXIMATION: CONFIGURATION MIXING CALCULATIONS. International Journal of Modern Physics E, 2011, 20, 459-464.	1.0	1
96	The fission barriers in Actinides and superheavy nuclei in covariant density functional theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 689, 72-81.	4.1	98
97	Relativistic Hartree-Bogoliubov theory for heavy-deformed nuclei and the pairing collapse at the limit of stability to proton emission in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pu</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>240</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Er</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>166</mml:	2.9	58
98	Constraints on the inner edge of neutron star crusts from relativistic nuclear energy density functionals. Physical Review C, 2010, 81, .	2.9	40
99	Relativistic Hartree-Fock-Bogoliubov theory with density dependent meson-nucleon couplings. Physical Review C, 2010, 81, .	2.9	97
100	3D relativistic Hartree-Bogoliubov model with a separable pairing interaction: Triaxial ground-state shapes. Physical Review C, 2010, 81, .	2.9	90
101	Isospin Character of the Pygmy Dipole Resonance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Sn</mml:mi><mml:mprescripts /><mml:none /><mml:mn>124</mml:mn></mml:mmultiscripts></mml:math>. Physical Review Letters, 2010, 105, 212503.	8.0	161
102	Mode Coupling and the Pygmy Dipole Resonance in a Relativistic Two-Phonon Model. Physical Review Letters, 2010, 105, 022502.	8.0	88
103	Fission barriers in actinides in covariant density functional theory: The role of triaxiality. Physical Review C, 2010, 82, .	2.9	99
104	Configuration mixing of angular-momentum-projected triaxial relativistic mean-field wave functions. Physical Review C, 2010, 81, .	2.9	169
105	Neutron halo in deformed nuclei. Physical Review C, 2010, 82, .	2.9	190
106	Separable pairing force for relativistic quasiparticle random-phase approximation. Physical Review C, 2009, 79, .	2.9	41
107	Covariant density functional theory: The role of the pion. Physical Review C, 2009, 80, .	2.9	39
108	Continuum random-phase approximation for relativistic point coupling models. Physical Review C, 2009, 80, .	2.9	40

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109	Spinodal instabilities in nuclear matter in a stochastic relativistic mean-field approach. Physical Review C, 2009, 80, .	2.9	11
110	Three-dimensional angular momentum projection in relativistic mean-field theory. Physical Review C, 2009, 79, .	2.9	92
111	LOWEST LYING 2+ AND 3- STATES OF Z-EVEN N = 50 ISOTONES IN RELATIVISTIC QUASIPARTICLE RANDOM PHASE APPROXIMATION. Modern Physics Letters A, 2009, 24, 3103-3111.	1.2	2
112	The effective force NL3 revisited. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 36-41.	4.1	301
113	A finite range pairing force for density functional theory in superfluid nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 676, 44-50.	4.1	270
114	Particle-vibrational coupling in covariant density-functional theory. Physics of Atomic Nuclei, 2009, 72, 1285-1304.	0.4	12
115	Axially deformed relativistic Hartree Bogoliubov theory with a separable pairing force. Physical Review C, 2009, 80, .	2.9	70
116	Phenomenological Relativistic Energy Density Functionals. AIP Conference Proceedings, 2009, , .	1.0	0
117	Relativistic quasiparticle time blocking approximation: Dipole response of open-shell nuclei. Physical Review C, 2008, 78, .	2.9	124
118	Relativistic random-phase approximation in axial symmetry. Physical Review C, 2008, 77, .	2.9	69
119	Relativistic nuclear energy density functionals: Adjusting parameters to binding energies. Physical Review C, 2008, 78, .	2.9	414
120	DEFORMED RELATIVISTIC HARTREE-BOGOLIUBOV MODEL FOR EXOTIC NUCLEI. , 2008, , .		6
121	NEW ASPECTS ON DYNAMICS IN NUCLEI DESCRIBED BY COVARIANT DENSITY FUNCTIONAL THEORY. , 2008, , .		0
122	Particle-vibration coupling within covariant density functional theory. Physical Review C, 2007, 75, .	2.9	97
123	Relativistic mean field model based on realistic nuclear forces. Physical Review C, 2007, 75, .	2.9	12
124	Microscopic Description of Nuclear Quantum Phase Transitions. Physical Review Letters, 2007, 99, 092502.	8.0	99
125	Covariant density functional theory for extremely heavy nuclei. European Physical Journal D, 2007, 45, 55-58.	1.3	1
126	Beyond the relativistic mean-field approximation: Configuration mixing of angular-momentum-projected wave functions. Physical Review C, 2006, 73, .	2.9	85

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127	Covariant theory of particle-vibrational coupling and its effect on the single-particle spectrum. Physical Review C, 2006, 73, .	2.9	139
128	Beyond the relativistic mean-field approximation. II. Configuration mixing of mean-field wave functions projected on angular momentum and particle number. Physical Review C, 2006, 74, .	2.9	96
129	Relativistic Hartree?Bogoliubov theory: static and dynamic aspects of exotic nuclear structure. Physics Reports, 2005, 409, 101-259.	26.1	987
130	Covariant Density Functional Theory For Isospin Properties In Nuclei Far From Stability. AIP Conference Proceedings, 2005, , .	1.0	0
131	New relativistic mean-field interaction with density-dependent meson-nucleon couplings. Physical Review C, 2005, 71, .	2.9	636
132	Axially deformed solution of the Skyrmeâ€“Hartreeâ€“Fockâ€“Bogolyubov equations using the transformed harmonic oscillator basis. The program HFBTHO (v1.66p). Computer Physics Communications, 2005, 167, 43-63.	7.8	193
133	Quasiparticle random phase approximation based on the relativistic Hartree-Bogoliubov model. II. Nuclear spin and isospin excitations. Physical Review C, 2004, 69, .	2.9	148
134	DENSITY AND ISOSPIN DEPENDENCIES IN RELATIVISTIC MEAN FIELD MODELS. , 2004, , .		0
135	Alpha Decay of 114 Ba. Acta Physica Hungarica A Heavy Ion Physics, 2003, 18, 345-346.	0.4	3
136	Spin Symmetry in the Antinucleon Spectrum. Physical Review Letters, 2003, 91, 262501.	8.0	219
137	Quasiparticle random phase approximation based on the relativistic Hartree-Bogoliubov model. Physical Review C, 2003, 67, .	2.9	219
138	Properties of Proton Emitters in Relativistic Mean Field Calculations. AIP Conference Proceedings, 2003, , .	1.0	0
139	Decay of 114Ba. AIP Conference Proceedings, 2003, , .	1.0	0
140	Beyond the relativistic Hartree mean-field approximation:â€‚Energy dependent effective mass. Physical Review C, 2002, 65, .	2.9	32
141	Pairing correlations and particle-number projection methods. Physical Review C, 2002, 66, .	2.9	44
142	Relativistic Hartree-Bogoliubov theory for finite nuclei. Physical Review C, 2002, 65, .	2.9	35
143	Toroidal dipole resonances in the relativistic random phase approximation. Physical Review C, 2002, 65, .	2.9	79
144	The time-dependent relativistic mean-field theory and the random phase approximation. Nuclear Physics A, 2001, 694, 249-268.	1.6	111

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145	Cranked relativistic Hartreeâ€“Bogoliubov theory: formalism and application to the superdeformed bands in the Aâ¼190 region. Nuclear Physics A, 2000, 676, 196-244.	1.6	110
146	Symmetry-projected Hartreeâ€“Fockâ€“Bogoliubov equations. Nuclear Physics A, 2000, 665, 71-91.	1.6	95
147	Temperature dependent relativistic mean field for highly excited hot nuclei. Physical Review C, 2000, 62, .	2.9	25
148	Time-odd mean fields in the rotating frame: Microscopic nature of nuclear magnetism. Physical Review C, 2000, 62, .	2.9	46
149	Cranked relativistic Hartree-Bogoliubov theory: Superdeformed bands in theAâ¼190region. Physical Review C, 1999, 60, .	2.9	45
150	Thermal and Quantal Fluctuations for Fixed Particle Number in Finite Superfluid Systems. Physical Review Letters, 1998, 80, 1853-1856.	8.0	78
151	New parametrization for the Lagrangian density of relativistic mean field theory. Physical Review C, 1997, 55, 540-543.	2.9	1,371
152	Double giant resonances in time-dependent relativistic mean-field theory. Nuclear Physics A, 1996, 598, 107-124.	1.6	17
153	Relativistic mean field theory in finite nuclei. Progress in Particle and Nuclear Physics, 1996, 37, 193-263.	14.9	1,288
154	Relativistic Hartree-Bogoliubov calculations with finite range pairing forces. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 13-19.	4.1	128
155	Isospin Dependence of the Spin-Orbit Force and Effective Nuclear Potentials. Physical Review Letters, 1995, 74, 3744-3747.	8.0	151
156	Projection at Finite Temperature. Annals of Physics, 1994, 235, 350-389.	2.9	53
157	Anomaly in the charge radii of Pb isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 317, 9-13.	4.1	157
158	Rho meson coupling in the relativistic mean field theory and description of exotic nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 312, 377-381.	4.1	527
159	The decay of hot nuclei. Journal of Physics G: Nuclear and Particle Physics, 1993, 19, 1-54.	3.5	73
160	Identical bands in superdeformed nuclei: A relativistic description. Physical Review Letters, 1993, 71, 3079-3082.	8.0	134
161	Relativistic field theory of superfluidity in nuclei. Zeitschrift FÃ¼r Physik A, 1991, 339, 23-35.	0.8	226
162	Relativistic mean field theory for finite nuclei. Annals of Physics, 1990, 198, 132-179.	2.9	809

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163	A relativistic theory of superdeformations in rapidly rotating nuclei. Nuclear Physics A, 1990, 511, 279-300.	1.6	71
164	A new method to calculate magnetic moments in relativistic mean field theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 214, 307-311.	4.1	100
165	Symmetry-conserving random phase approximation. Nuclear Physics A, 1985, 435, 110-124.	1.6	19
166	On the validity of the mean field approach for the description of pairing collapse in finite nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 154, 1-5.	4.1	73
167	On the pairing collapse in nuclei at high angular momenta. Journal of Physics G: Nuclear Physics, 1984, 10, L39-L44.	0.8	41
168	Existence of Triaxial Shapes in Transitional Nuclei. Physical Review Letters, 1984, 53, 337-340.	8.0	58
169	Microscopic theory of the isovector dipole resonance at high angular momenta. Nuclear Physics A, 1984, 419, 261-294.	1.6	123
170	Symmetry conserving Hartree-Fock-Bogoliubov theory. Nuclear Physics A, 1982, 383, 189-204.	1.6	96
171	Symmetry-conserving Hartree-Fock-Bogoliubov theory. Nuclear Physics A, 1982, 388, 19-36.	1.6	101
172	On the solution of constrained hartree-fock-bogolyubov equations. Zeitschrift FÃ¼r Physik A, 1976, 279, 325-329.	1.4	73
173	Theoretical investigation of rotational bands in odd-mass nuclei. Nuclear Physics A, 1974, 225, 141-156.	1.6	53
174	Attenuation of the Coriolis Interaction within the Cranking Model. Physical Review Letters, 1974, 33, 1174-1177.	8.0	49
175	Distribution of single-particle strengths in the nuclei 207Tl, 207Pb, 209Bi and 209Pb. Nuclear Physics A, 1973, 211, 198-210.	1.6	78