

Peter Ring

List of Publications by Year in descending order

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175
papers

19,702
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178
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times ranked

4354
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | New parametrization for the Lagrangian density of relativistic mean field theory. <i>Physical Review C</i> , 1997, 55, 540-543. | 2.9 | 1,371 |
| 2 | Relativistic mean field theory in finite nuclei. <i>Progress in Particle and Nuclear Physics</i> , 1996, 37, 193-263. | 14.9 | 1,288 |
| 3 | Relativistic Hartree-Bogoliubov theory: static and dynamic aspects of exotic nuclear structure. <i>Physics Reports</i> , 2005, 409, 101-259. | 26.1 | 987 |
| 4 | Relativistic mean field theory for finite nuclei. <i>Annals of Physics</i> , 1990, 198, 132-179. | 2.9 | 809 |
| 5 | New relativistic mean-field interaction with density-dependent meson-nucleon couplings. <i>Physical Review C</i> , 2005, 71, . | 2.9 | 636 |
| 6 | Rho meson coupling in the relativistic mean field theory and description of exotic nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 312, 377-381. | 4.1 | 527 |
| 7 | Relativistic nuclear energy density functionals: Mean-field and beyond. <i>Progress in Particle and Nuclear Physics</i> , 2011, 66, 519-548. | 14.9 | 457 |
| 8 | Relativistic nuclear energy density functionals: Adjusting parameters to binding energies. <i>Physical Review C</i> , 2008, 78, . | 2.9 | 414 |
| 9 | The effective force NL3 revisited. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 671, 36-41. | 4.1 | 301 |
| 10 | A finite range pairing force for density functional theory in superfluid nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 676, 44-50. | 4.1 | 270 |
| 11 | Relativistic field theory of superfluidity in nuclei. <i>Zeitschrift für Physik A</i> , 1991, 339, 23-35. | 0.8 | 226 |
| 12 | Spin Symmetry in the Antinucleon Spectrum. <i>Physical Review Letters</i> , 2003, 91, 262501. | 8.0 | 219 |
| 13 | Quasiparticle random phase approximation based on the relativistic Hartree-Bogoliubov model. <i>Physical Review C</i> , 2003, 67, . | 2.9 | 219 |
| 14 | DIRHB—A relativistic self-consistent mean-field framework for atomic nuclei. <i>Computer Physics Communications</i> , 2014, 185, 1808-1821. | 7.8 | 206 |
| 15 | Global performance of covariant energy density functionals: Ground state observables of even-even nuclei and the estimate of theoretical uncertainties. <i>Physical Review C</i> , 2014, 89, . | 2.9 | 196 |
| 16 | Axially deformed solution of the Skyrme—Hartree—Fock—Bogolyubov equations using the transformed harmonic oscillator basis. The program HFBTHO (v1.66p). <i>Computer Physics Communications</i> , 2005, 167, 43-63. | 7.8 | 193 |
| 17 | Neutron halo in deformed nuclei. <i>Physical Review C</i> , 2010, 82, . | 2.9 | 190 |
| 18 | Configuration mixing of angular-momentum-projected triaxial relativistic mean-field wave functions. <i>Physical Review C</i> , 2010, 81, . | 2.9 | 169 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Isospin Character of the Pygmy Dipole Resonance in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Sn} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 124 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. Physical Review Letters, 2010, 105, 212503. | 8.0 | 161 |
| 20 | Relativistic mean-field interaction with density-dependent meson-nucleon vertices based on microscopical calculations. Physical Review C, 2011, 84, . | 2.9 | 160 |
| 21 | 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 |
| 22 | Isospin Dependence of the Spin-Orbit Force and Effective Nuclear Potentials. Physical Review Letters, 1995, 74, 3744-3747. | 8.0 | 151 |
| 23 | 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 |
| 24 | Novel structure for magnetic rotation bands in ^{60}Ni . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 181-186. | 4.1 | 140 |
| 25 | Covariant theory of particle-vibrational coupling and its effect on the single-particle spectrum. Physical Review C, 2006, 73, . | 2.9 | 139 |
| 26 | Identical bands in superdeformed nuclei: A relativistic description. Physical Review Letters, 1993, 71, 3079-3082. | 8.0 | 134 |
| 27 | Antimagnetic Rotation Band in Nuclei: A Microscopic Description. Physical Review Letters, 2011, 107, 122501. | 8.0 | 132 |
| 28 | Deformed relativistic Hartree-Bogoliubov theory in continuum. Physical Review C, 2012, 85, . | 2.9 | 132 |
| 29 | 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 |
| 30 | Fission barriers in covariant density functional theory: Extrapolation to superheavy nuclei. Physical Review C, 2012, 85, . | 2.9 | 126 |
| 31 | Relativistic quasiparticle time blocking approximation: Dipole response of open-shell nuclei. Physical Review C, 2008, 78, . | 2.9 | 124 |
| 32 | Systematic study of nuclear matrix elements in neutrinoless double- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \hat{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ decay with a beyond-mean-field covariant density functional theory. Physical Review C, 2015, 91, . | 2.9 | 124 |
| 33 | Microscopic theory of the isovector dipole resonance at high angular momenta. Nuclear Physics A, 1984, 419, 261-294. | 1.6 | 123 |
| 34 | The time-dependent relativistic mean-field theory and the random phase approximation. Nuclear Physics A, 2001, 694, 249-268. | 1.6 | 111 |
| 35 | Cranked relativistic Hartree-Bogoliubov theory: formalism and application to the superdeformed bands in the $A \sim 140$ region. Nuclear Physics A, 2000, 676, 196-244. | 1.6 | 110 |
| 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Symmetry-conserving Hartree-Fock-Bogoliubov theory. Nuclear Physics A, 1982, 388, 19-36. | 1.6 | 101 |
| 38 | 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 |
| 39 | Microscopic Description of Nuclear Quantum Phase Transitions. Physical Review Letters, 2007, 99, 092502. | 8.0 | 99 |
| 40 | Fission barriers in actinides in covariant density functional theory: The role of triaxiality. Physical Review C, 2010, 82, . | 2.9 | 99 |
| 41 | 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 |
| 42 | Particle-vibration coupling within covariant density functional theory. Physical Review C, 2007, 75, . | 2.9 | 97 |
| 43 | Relativistic Hartree-Fock-Bogoliubov theory with density dependent meson-nucleon couplings. Physical Review C, 2010, 81, . | 2.9 | 97 |
| 44 | Symmetry conserving Hartree-Fock-Bogoliubov theory. Nuclear Physics A, 1982, 383, 189-204. | 1.6 | 96 |
| 45 | 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 |
| 46 | Symmetry-projected Hartree-Fock-Bogoliubov equations. Nuclear Physics A, 2000, 665, 71-91. | 1.6 | 95 |
| 47 | 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 |
| 48 | 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 |
| 49 | Three-dimensional angular momentum projection in relativistic mean-field theory. Physical Review C, 2009, 79, . | 2.9 | 92 |
| 50 | 3D relativistic Hartree-Bogoliubov model with a separable pairing interaction: Triaxial ground-state shapes. Physical Review C, 2010, 81, . | 2.9 | 90 |
| 51 | Mode Coupling and the Pygmy Dipole Resonance in a Relativistic Two-Phonon Model. Physical Review Letters, 2010, 105, 022502. | 8.0 | 88 |
| 52 | Covariant density functional theory for antimagnetic rotation. Physical Review C, 2012, 85, . | 2.9 | 87 |
| 53 | Microscopic benchmark study of triaxiality in low-lying states of ^{76}Kr . Physical Review C, 2014, 89, . | 2.9 | 87 |
| 54 | Towards an ab initio covariant density functional theory for nuclear structure. Progress in Particle and Nuclear Physics, 2019, 109, 103713. | 14.9 | 87 |

| # | ARTICLE | IF | CITATIONS |
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| 55 | Beyond the relativistic mean-field approximation: Configuration mixing of angular-momentum-projected wave functions. <i>Physical Review C</i> , 2006, 73, . | 2.9 | 85 |
| 56 | Covariant density functional theory: Reexamining the structure of superheavy nuclei. <i>Physical Review C</i> , 2015, 92, . | 2.9 | 80 |
| 57 | Toroidal dipole resonances in the relativistic random phase approximation. <i>Physical Review C</i> , 2002, 65, . | 2.9 | 79 |
| 58 | Distribution of single-particle strengths in the nuclei 207Tl, 207Pb, 209Bi and 209Pb. <i>Nuclear Physics A</i> , 1973, 211, 198-210. | 1.6 | 78 |
| 59 | Thermal and Quantal Fluctuations for Fixed Particle Number in Finite Superfluid Systems. <i>Physical Review Letters</i> , 1998, 80, 1853-1856. | 8.0 | 78 |
| 60 | Neutron drip line: Single-particle degrees of freedom and pairing properties as sources of theoretical uncertainties. <i>Physical Review C</i> , 2015, 91, . | 2.9 | 78 |
| 61 | Symmetry restoration in mean-field approaches. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 123001. | 3.5 | 75 |
| 62 | On the solution of constrained hartree-fock-bogolyubov equations. <i>Zeitschrift für Physik A</i> , 1976, 279, 325-329. | 1.4 | 73 |
| 63 | On the validity of the mean field approach for the description of pairing collapse in finite nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 154, 1-5. | 4.1 | 73 |
| 64 | The decay of hot nuclei. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1993, 19, 1-54. | 3.5 | 73 |
| 65 | A relativistic theory of superdeformations in rapidly rotating nuclei. <i>Nuclear Physics A</i> , 1990, 511, 279-300. | 1.6 | 71 |
| 66 | Axially deformed relativistic Hartree Bogoliubov theory with a separable pairing force. <i>Physical Review C</i> , 2009, 80, . | 2.9 | 70 |
| 67 | Relativistic random-phase approximation in axial symmetry. <i>Physical Review C</i> , 2008, 77, . | 2.9 | 69 |
| 68 | Nuclear matrix element of neutrinoless double- \hat{I}^2 decay: Relativity and short-range correlations. <i>Physical Review C</i> , 2017, 95, . | 2.9 | 66 |
| 69 | Relativistic description of nuclear matrix elements in neutrinoless double- \hat{I}^2 decay. <i>Physical Review C</i> , 2014, 90, . | 2.9 | 62 |
| 70 | Existence of Triaxial Shapes in Transitional Nuclei. <i>Physical Review Letters</i> , 1984, 53, 337-340. | 8.0 | 58 |
| 71 | Relativistic energy density functionals: Low-energy collective states of ^{240}Pu and ^{240}Po . <i>Physical Review C</i> , 2012, 85, . | 2.9 | 58 |
| 72 | Structure of the pygmy dipole resonance in ^{124}Sn . <i>Physical Review C</i> , 2012, 85, . | 2.9 | 58 |

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| 73 | Theoretical investigation of rotational bands in odd-mass nuclei. Nuclear Physics A, 1974, 225, 141-156. | 1.6 | 53 |
| 74 | Projection at Finite Temperature. Annals of Physics, 1994, 235, 350-389. | 2.9 | 53 |
| 75 | Leading order relativistic chiral nucleon-nucleon interaction. Chinese Physics C, 2018, 42, 014103. | 3.6 | 53 |
| 76 | Odd Systems in Deformed Relativistic Hartree Bogoliubov Theory in Continuum. Chinese Physics Letters, 2012, 29, 042101. | 3.4 | 51 |
| 77 | Assessing theoretical uncertainties in fission barriers of superheavy nuclei. Physical Review C, 2017, 95, . | 2.9 | 51 |
| 78 | Attenuation of the Coriolis Interaction within the Cranking Model. Physical Review Letters, 1974, 33, 1174-1177. | 8.0 | 49 |
| 79 | Laser Spectroscopy of Neutron-Rich ^{207}Hg Isotopes: Illuminating the Kink and Odd-Even Staggering in Charge Radii across the | 2.9 | 49 |
| 80 | Implementation of the finite amplitude method for the relativistic quasiparticle random-phase approximation. Physical Review C, 2013, 88, . | 2.9 | 48 |
| 81 | Fully self-consistent relativistic Brueckner-Hartree-Fock theory for finite nuclei. Physical Review C, 2017, 96, . | 2.9 | 47 |
| 82 | Time-odd mean fields in the rotating frame: Microscopic nature of nuclear magnetism. Physical Review C, 2000, 62, . | 2.9 | 46 |
| 83 | Cranked relativistic Hartree-Bogoliubov theory: Superdeformed bands in the $A \approx 190$ region. Physical Review C, 1999, 60, . | 2.9 | 45 |
| 84 | Pairing correlations and particle-number projection methods. Physical Review C, 2002, 66, . | 2.9 | 44 |
| 85 | Magnetic rotations in ^{198}Pb and ^{199}Pb within covariant density functional theory. Physical Review C, 2012, 85, . | 2.9 | 43 |
| 86 | 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 |
| 87 | On the pairing collapse in nuclei at high angular momenta. Journal of Physics G: Nuclear Physics, 1984, 10, L39-L44. | 0.8 | 41 |
| 88 | Separable pairing force for relativistic quasiparticle random-phase approximation. Physical Review C, 2009, 79, . | 2.9 | 41 |
| 89 | Nuclear structure in strong magnetic fields: Nuclei in the crust of a magnetar. Physical Review C, 2011, 84, . | 2.9 | 41 |
| 90 | Relativistic two-phonon model for the low-energy nuclear response. Physical Review C, 2013, 88, . | 2.9 | 41 |

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| 91 | Continuum random-phase approximation for relativistic point coupling models. <i>Physical Review C</i> , 2009, 80, . | 2.9 | 40 |
| 92 | Constraints on the inner edge of neutron star crusts from relativistic nuclear energy density functionals. <i>Physical Review C</i> , 2010, 81, . | 2.9 | 40 |
| 93 | Fragmentation of spin-dipole strength in ^{90}Zr and ^{208}Pb . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 706, 477-481. | 4.1 | 40 |
| 94 | Relativistic Brueckner-Hartree-Fock Theory for Finite Nuclei. <i>Chinese Physics Letters</i> , 2016, 33, 102103. | 3.4 | 40 |
| 95 | Parametric correlations in energy density functionals. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135065. | 4.1 | 40 |
| 96 | Charge radii in covariant density functional theory: A global view. <i>Physical Review C</i> , 2021, 104, . | 2.9 | 40 |
| 97 | Covariant density functional theory: The role of the pion. <i>Physical Review C</i> , 2009, 80, . | 2.9 | 39 |
| 98 | Effects of tensor forces in nuclear spin-orbit splittings from ab initio calculations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 778, 344-348. | 4.1 | 36 |
| 99 | Relativistic Hartree-Bogoliubov theory for finite nuclei. <i>Physical Review C</i> , 2002, 65, . | 2.9 | 35 |
| 100 | Self-consistent description of proton radioactivity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 701, 508-511. | 4.1 | 35 |
| 101 | Relativistic description of second-order correction to nuclear magnetic moments with point-coupling residual interaction. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 204-209. | 5.4 | 34 |
| 102 | Localized form of Fock terms in nuclear covariant density functional theory. <i>Physical Review C</i> , 2012, 86, . | 2.9 | 33 |
| 103 | Beyond the relativistic Hartree mean-field approximation: Energy dependent effective mass. <i>Physical Review C</i> , 2002, 65, . | 2.9 | 32 |
| 104 | Relativistic Brueckner-Hartree-Fock theory in nuclear matter without the average momentum approximation. <i>Physical Review C</i> , 2018, 98, . | 2.9 | 31 |
| 105 | Relativistic Brueckner-Hartree-Fock theory for neutron drops. <i>Physical Review C</i> , 2018, 97, . | 2.9 | 27 |
| 106 | Beyond-mean-field approaches for nuclear neutrinoless double beta decay in the standard mechanism. <i>Progress in Particle and Nuclear Physics</i> , 2022, 126, 103965. | 14.9 | 27 |
| 107 | Temperature dependent relativistic mean field for highly excited hot nuclei. <i>Physical Review C</i> , 2000, 62, . | 2.9 | 25 |
| 108 | Relativistic continuum quasiparticle random-phase approximation in spherical nuclei. <i>Physical Review C</i> , 2011, 83, . | 2.9 | 25 |

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|-----|---|-----|-----------|
| 109 | Efficient method for computing the Thouless-Valatin inertia parameters. Physical Review C, 2012, 86, . | 2.9 | 25 |
| 110 | Relativistic description of magnetic moments in nuclei with doubly closed shells plus or minus one nucleon. Physical Review C, 2013, 88, . | 2.9 | 23 |
| 111 | Microscopic description of quantum shape fluctuation in C isotopes. Physical Review C, 2011, 84, . | 2.9 | 21 |
| 112 | Nuclear matter in relativistic Brueckner-Hartree-Fock theory with Bonn potential in the full Dirac space. Physical Review C, 2021, 103, . | 2.9 | 21 |
| 113 | Influence of pairing correlations on the size of the nucleus in relativistic continuum Hartree-Bogoliubov theory. Physical Review C, 2014, 89, . | 2.9 | 20 |
| 114 | Symmetry-conserving random phase approximation. Nuclear Physics A, 1985, 435, 110-124. | 1.6 | 19 |
| 115 | Spin symmetry in the Dirac sea derived from the bare nucleon-nucleon interaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 227-231. | 4.1 | 19 |
| 116 | Accurate Relativistic Chiral Nucleon-Nucleon Interaction up to Next-to-Next-to-Leading Order. Physical Review Letters, 2022, 128, 142002. | 8.0 | 19 |
| 117 | Effect of pairing correlations on nuclear low-energy structure: BCS and general Bogoliubov transformation. Physical Review C, 2013, 88, . | 2.9 | 18 |
| 118 | Spin-orbit splittings of neutron states in N from covariant density functionals and their extensions. Physical Review C, 2017, 95, . | 2.9 | 18 |
| 119 | Double giant resonances in time-dependent relativistic mean-field theory. Nuclear Physics A, 1996, 598, 107-124. | 1.6 | 17 |
| 120 | Configuration interaction in symmetry-conserving covariant density functional theory. Physical Review C, 2016, 94, . | 2.9 | 16 |
| 121 | Quantum fluctuations in the collective 0^+ states of deformed nuclei. Physical Review C, 2013, 88, . | 2.9 | 15 |
| 122 | Nuclear asymmetry energy and isovector stiffness within the effective surface approximation. Physical Review C, 2013, 87, . | 2.9 | 14 |
| 123 | Relativistic mean field model based on realistic nuclear forces. Physical Review C, 2007, 75, . | 2.9 | 12 |
| 124 | Particle-vibrational coupling in covariant density-functional theory. Physics of Atomic Nuclei, 2009, 72, 1285-1304. | 0.4 | 12 |
| 125 | Spinodal instabilities in nuclear matter in a stochastic relativistic mean-field approach. Physical Review C, 2009, 80, . | 2.9 | 11 |
| 126 | MODERN APPLICATIONS OF COVARIANT DENSITY FUNCTIONAL THEORY. International Journal of Modern Physics E, 2011, 20, 235-243. | 1.0 | 11 |

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| 127 | Influence of pairing correlations on the radius of neutron-rich nuclei. <i>Physical Review C</i> , 2017, 95, . | 2.9 | 11 |
| 128 | Charge radii, moments, and masses of mercury isotopes across the $N=126$ shell closure. <i>Physical Review C</i> , 2021, 104, . | 2.9 | 11 |
| 129 | Particle-number-projected Hartree-Fock-Bogoliubov study with effective shell model interactions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2011, 38, 045101. | 3.5 | 10 |
| 130 | Asymmetric nuclear matter and neutron star properties in relativistic <i>ab initio</i> theory in the full Dirac space. <i>Physical Review C</i> , 2022, 106, . | 2.9 | 10 |
| 131 | Spectroscopy of the heaviest nuclei (theory). <i>Journal of Physics: Conference Series</i> , 2011, 312, 092004. | 0.4 | 9 |
| 132 | Energy density functional theory in nuclei: does it have to be relativistic?. <i>Physica Scripta</i> , 2012, T150, 014035. | 2.5 | 9 |
| 133 | Relativistic mean-field theory. <i>International Review of Nuclear Physics</i> , 2016, , 21-81. | 0.0 | 8 |
| 134 | Two-quasiparticle K isomers within the covariant density functional theory. <i>Physical Review C</i> , 2020, 102, . | 2.9 | 8 |
| 135 | Many-body approach to superfluid nuclei in axial geometry. <i>Physical Review C</i> , 2022, 105, . | 2.9 | 8 |
| 136 | g factors of nuclear low-lying states: A covariant description. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 198-203. | 5.4 | 7 |
| 137 | Isovector dipole-resonance structure within the effective surface approximation. <i>Physica Scripta</i> , 2014, 89, 054019. | 2.5 | 7 |
| 138 | DEFORMED RELATIVISTIC HARTREE-BOGOLIUBOV MODEL FOR EXOTIC NUCLEI. , 2008, , . | | 6 |
| 139 | Neutron halo in deformed nuclei from a relativistic Hartree-Bogoliubov model in a Woods-Saxon basis. <i>Journal of Physics: Conference Series</i> , 2011, 312, 092067. | 0.4 | 6 |
| 140 | Covariant density functional theory for decay of deformed proton emitters: A self-consistent approach. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 753, 237-241. | 4.1 | 6 |
| 141 | Application of the inverse Hamiltonian method to Hartree-Fock-Bogoliubov calculations. <i>Physical Review C</i> , 2013, 88, . | 2.9 | 5 |
| 142 | Concept of covariant density functional theory. <i>International Review of Nuclear Physics</i> , 2016, , 1-20. | 0.0 | 5 |
| 143 | Finite-temperature linear response theory based on relativistic Hartree Bogoliubov model with point-coupling interaction. <i>Physical Review C</i> , 2021, 104, . | 2.9 | 5 |
| 144 | RECENT PROGRESS IN THE STUDY OF FISSION BARRIERS IN COVARIANT DENSITY FUNCTIONAL THEORY. <i>International Journal of Modern Physics E</i> , 2012, 21, 1250025. | 1.0 | 4 |

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|-----|---|-----|-----------|
| 145 | Slope-dependent nuclear-symmetry energy within the effective-surface approximation. Physical Review C, 2015, 92, . | 2.9 | 4 |
| 146 | Derivative corrections to the symmetry energy and the isovector dipole-resonance structure in nuclei. Physica Scripta, 2015, 90, 114009. | 2.5 | 4 |
| 147 | A rotating $\hat{I}\pm$ -chain in the nucleus ^{12}C . Science China: Physics, Mechanics and Astronomy, 2019, 62, 1. | 5.4 | 4 |
| 148 | Alpha Decay of ^{114}Ba . Acta Physica Hungarica A Heavy Ion Physics, 2003, 18, 345-346. | 0.4 | 3 |
| 149 | Nuclear shell structure and response with quasiparticle-vibration coupling. International Review of Nuclear Physics, 2016, , 469-516. | 0.0 | 3 |
| 150 | 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 |
| 151 | Halos in a deformed relativistic Hartree-Bogoliubov theory in continuum. AIP Conference Proceedings, 2012, , . | 1.0 | 2 |
| 152 | Giant resonances with time dependent covariant density functional theory. European Physical Journal A, 2019, 55, 1. | 2.5 | 2 |
| 153 | Neutron-proton effective mass splitting in neutron-rich matter. Physical Review C, 2023, 108, . | 2.9 | 2 |
| 154 | Impact of isovector pairing fluctuations on neutrinoless double- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mi}> \hat{I}^2 \langle \text{mml:mi}> \langle \text{mml:math}>$ decay in multireference covariant density functional theory. Physical Review C, 2023, 108, . | 2.9 | 2 |
| 155 | Covariant density functional theory for extremely heavy nuclei. European Physical Journal D, 2007, 45, 55-58. | 1.3 | 1 |
| 156 | BEYOND THE RELATIVISTIC MEAN-FIELD APPROXIMATION: CONFIGURATION MIXING CALCULATIONS. International Journal of Modern Physics E, 2011, 20, 459-464. | 1.0 | 1 |
| 157 | Local covariant density functional constrained by the relativistic Hartree-Fock theory. AIP Conference Proceedings, 2012, , . | 1.0 | 1 |
| 158 | Magnetic and antimagnetic rotation in covariant density functional theory. AIP Conference Proceedings, 2012, , . | 1.0 | 1 |
| 159 | Microscopic and self-consistent description for neutron halo in deformed nuclei. AIP Conference Proceedings, 2013, , . | 1.0 | 1 |
| 160 | Properties of Proton Emitters in Relativistic Mean Field Calculations. AIP Conference Proceedings, 2003, , . | 1.0 | 0 |
| 161 | Decay of ^{114}Ba . AIP Conference Proceedings, 2003, , . | 1.0 | 0 |
| 162 | Covariant Density Functional Theory For Isospin Properties In Nuclei Far From Stability. AIP Conference Proceedings, 2005, , . | 1.0 | 0 |

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|-----|--|-----|-----------|
| 163 | Phenomenological Relativistic Energy Density Functionals. AIP Conference Proceedings, 2009, , . | 1.0 | 0 |
| 164 | MICROSCOPIC DESCRIPTION FOR THE NUCLEAR MAGNETIC AND ANTIMAGNETIC ROTATION. , 2013, , . | | 0 |
| 165 | Berry Phase and Backbending. , 2013, , 522-535. | | 0 |
| 166 | Nuclear energy density functionals: What we can learn about/from their global performance?. AIP Conference Proceedings, 2014, , . | 1.0 | 0 |
| 167 | Relativistic mean field description of exotic nuclei. International Review of Nuclear Physics, 2016, , 83-141. | 0.0 | 0 |
| 168 | Effects of Tensor Force in the Relativistic Scheme: A Case Study of Neutron Drops. , 2018, , . | | 0 |
| 169 | DENSITY AND ISOSPIN DEPENDENCIES IN RELATIVISTIC MEAN FIELD MODELS. , 2004, , . | | 0 |
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