# Jian-You Guo

List of Publications by Year
in descending order



| 82 | 1,417 | 304743 22 | 361022 35 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 82 | 82 | 82 | 348 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | J/ψ associated production with a bottom quark pair from the Higgs boson decay in next-to-leading order QCD. Physical Review D, 2022, 105, . | 4.7 | 2 |
| 2 | Pseudospin symmetry in resonant states and its dependence on the shape of potential. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 824, 136829. | 4.1 | 7 |
| 3 | Research on the deformed halo in <sup>29</sup>F with a complex momentum representation method. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 065101. | 3.6 | 2 |
| 4 | Investigation of pseudospin and spin symmetries in relativistic mean field theory combined with a similarity renormalization group approach. Physical Review C, 2022, 105, . | 2.9 | 3 |
| 5 | Role of quadrupole deformation and continuum effects in the a€œisland of inversionâ€•nuclei <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">F</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>28</mml:mn><mml:mo>,</mml:mo><mml:mn>29</mml:mn><mml:mo>,</mml:mo><mml:mn>31</mml:mn></mml:m | 2.9 | 9 |
| 6 | Revisit prompt <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>J</mml:mi><mml:mo stretchy="false">/</mml:mo><mml:mi>ψ</mml:mi></mml:math> production in associated with Higgs boson via gluon fusion at the LHC. Physical Review D, 2021, 104, . | 4.7 | 0 |
| 7 | Probing double hadron resonances by the complex scaling method. Physical Review C, 2021, 104, . | 2.9 | 2 |
| 8 | Research on deformed exotic nuclei by relativistic mean field theory in complex momentum representation. Physical Review C, 2021, 104, . | 2.9 | 6 |
| 9 | Pseudospin and spin symmetries in single particle resonant states in Pb isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135174. | 4.1 | 12 |
| 10 | Exploration of the exotic structure in Ce isotopes by the relativistic point-coupling model combined with complex momentum representation. Physical Review C, 2020, 102, . | 2.9 | 11 |
| 11 | Investigation of exotic structure in <sup> 34 </sup>Na by complex momentum representation combined with Greenâ€™s function method. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 085105. | 3.6 | 4 |
| 12 | The first excited single-proton resonance in 15F by complex-scaled Green's function method. Chinese Physics C, 2020, 44, 054103. | 3.7 | 0 |
| 13 | Photoproduction of the double J/ψ ( ψ' ) at the LHC with forward proton tagging. Physical Review D, 2019, 99, . | 4.7 | 3 |
| 14 | Probing Resonances and Pseudospin Symmetry of the Eckart Potential by the Complex Scaling Method within the Relativistic Framework. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 287-292. | 1.5 | 0 |
| 15 | Systematic studies of the influence of single-particle resonances on neutron halo and skin in the relativistic-mean-field and complex-momentum-representation methods. Physical Review C, 2019, 99, . | 2.9 | 14 |
| 16 | Prediction of halo structure in nuclei heavier than <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>37</mml:mn></mml:mmultiscripts></mml:math> with the complex momentum representation method. Physical Review C, 2019, 99, . | 2.9 | 13 |
| 17 | Stark resonances of a hydrogen-like atom under exponential cosine screened Coulomb potential. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 025001. | 1.5 | 6 |
| 18 | Investigation of n-Î± scattering by combining complex momentum representation and Greenâ€™s function. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 092101. | 0.5 | 0 |

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|---|---|---|---|
| 19 | High precision nuclear mass predictions towards a hundred kilo-electron-volt accuracy. Science Bulletin, 2018, 63, 759-764. | 9.0 | 36 |
| 20 | Interpretation of halo in <sup>19</sup>C with complex momentum representation method. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 085105. | 3.6 | 10 |
| 21 | Resonant-continuum relativistic mean-field plus BCS in complex momentum representation. Physical Review C, 2018, 98, . | 2.9 | 21 |
| 22 | Probing resonances in the Dirac equation with quadrupole-deformed potentials with the complex momentum representation method. Physical Review C, 2017, 95, . | 2.9 | 25 |
| 23 | Spin and pseudospin symmetries and their breaking mechanisms in antinucleon spectrum. International Journal of Modern Physics E, 2017, 26, 1750025. | 1.0 | 3 |
| 24 | Research on the halo in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ne</mml:mi><mml:mprescripts /><mml:none /><mml:mn>31</mml:mn></mml:mmultiscripts></mml:math> with the complex momentum representation method. Physical Review C, 2017, 95, . | 2.9 | 18 |
| 25 | Relativistic extension of the complex scaled Green's function method for resonances in deformed nuclei. European Physical Journal A, 2017, 53, 1. | 2.5 | 16 |
| 26 | Exploration of resonances by using complex momentum representation. Chinese Physics C, 2017, 41, 044104. | 3.7 | 4 |
| 27 | Influence of binding energies of electrons on nuclear mass predictions. Chinese Physics C, 2016, 40, 074102. | 3.7 | 4 |
| 28 | Probing Resonances of the Dirac Equation with Complex Momentum Representation. Physical Review Letters, 2016, 117, 062502. | 7.8 | 41 |
| 29 | Probing resonances in deformed nuclei by using the complex-scaled Green's function method. Physical Review C, 2016, 94, . | 2.9 | 16 |
| 30 | Improved radial basis function approach with odd-even corrections. Physical Review C, 2016, 94, . | 2.9 | 27 |
| 31 | Next-to-leading order QCD corrections to Higgs boson decay to quarkonium plus a photon. Chinese Physics C, 2016, 40, 123105. | 3.7 | 6 |
| 32 | Tensor coupling effect on relativistic symmetries. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1. | 5.1 | 5 |
| 33 | NuclearÎ²-decay half-lives in the relativistic point-coupling model. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 045108. | 3.6 | 25 |
| 34 | Relativistic symmetries in nuclear single-particle spectra. International Review of Nuclear Physics, 2016, , 219-262. | 1.0 | 1 |
| 35 | Relativistic extension of the complex scaled Green function method. Physical Review C, 2015, 92, . | 2.9 | 26 |
| 36 | General formalism of collective motion for any deformed system. Physical Review C, 2015, 92, . | 2.9 | 2 |

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|---|---|---|---|
| 37 | Further investigation of relativistic symmetry in deformed nuclei by similarity renormalization group. Physical Review C, 2015, 91, . | 2.9 | 9 |
| 38 | Constraint on the cosmic age from the solarr-process abundances. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 105202. | 3.6 | 0 |
| 39 | Relativistic extension of the complex scaling method for resonant states in deformed nuclei. Physical Review C, 2014, 90, . | 2.9 | 27 |
| 40 | Probing the Symmetries of the Dirac Hamiltonian with Axially Deformed Scalar and Vector Potentials by Similarity Renormalization Group. Physical Review Letters, 2014, 112, 062502. | 7.8 | 34 |
| 41 | Examination of the pseudospin symmetry for the relativistic harmonic oscillator with the similarity renormalization group. Physical Review C, 2014, 90, . | 2.9 | 2 |
| 42 | Probing single-proton resonances in nuclei by the complex-scaling method. Physical Review C, 2014, 89, . | 2.9 | 19 |
| 43 | Dark matter pair associated with a W boson production at the LHC in next-to-leading order QCD. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 0 |
| 44 | Resonances of Dirac Particle in the Yukawa Potential. Few-Body Systems, 2014, 55, 135-141. | 1.5 | 3 |
| 45 | Nuclear uncertainties in the s-process simulation. Science China: Physics, Mechanics and Astronomy, 2013, 56, 859-865. | 5.1 | 3 |
| 46 | Radial basis function approach in nuclear mass predictions. Physical Review C, 2013, 88, . | 2.9 | 41 |
| 47 | Associated production of Î¥(1S)W at LHC in next-to-leading order QCD. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 3 |
| 48 | J /Î^ Production Associated with the W -Boson at the 7 TeV Large Hadron Collider. Chinese Physics Letters, 2013, 30, 091201. | 3.3 | 1 |
| 49 | Nuclear<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Î²</mml:mi><mml:mo>+</mml:mo></mml:msup></mml:math>/EC decays in covariant density functional theory and the impact of isoscalar proton-neutron pairing. Physical Review C, 2013, 87, . | 2.9 | 40 |
| 50 | Further investigation of relativistic symmetry with the similarity renormalization group. Physical Review C, 2013, 87, . | 2.9 | 17 |
| 51 | Resonant states and pseudospin symmetry in the Dirac-Morse potential. Physical Review A, 2013, 87, . | 2.5 | 18 |
| 52 | Nuclear effective charge factor originating from covariant density functional theory. Physical Review C, 2013, 87, . | 2.9 | 15 |
| 53 | Next-to-leading order QCD corrections to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>H</mml:mi><mml:msup><mml:mi>W</mml:mi><mml:mo mathvariant="bold">Â±</mml:mo></mml:msup><mml:mi>Î³</mml:mi></mml:math>production at the LHC. Physical Review D, 2013, 88, . | 4.7 | 2 |
| 54 | Relativistic effect of spin and pseudospin symmetries. Physical Review C, 2012, 85, . | 2.9 | 31 |

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|---|---|---|---|
| 55 | SPIN SYMMETRY IN THE RESONANT STATES OF NUCLEI. International Journal of Modern Physics E, 2012, 21, 1250096. | 1.0 | 6 |
| 56 | Exploration of relativistic symmetry by the similarity renormalization group. Physical Review C, 2012, 85, . | 2.9 | 59 |
| 57 | Comparative study of nuclear masses in the relativistic mean-field model. Science China: Physics, Mechanics and Astronomy, 2012, 55, 2414-2419. | 5.1 | 34 |
| 58 | Resonant states of deformed nuclei in the complex scaling method. Physical Review C, 2012, 86, . | 2.9 | 34 |
| 59 | Influences on the pseudospin symmetry from the different fields of mesons in deformed nuclei. European Physical Journal A, 2012, 48, 1. | 2.5 | 11 |
| 60 | COMPLEX SCALING METHOD AND THE RESONANT STATES. , 2011, , . | | 0 |
| 61 | The structure of the spherical tensor forces in the USD and GXPF1A shell model Hamiltonians. Chinese Physics C, 2011, 35, 753-757. | 3.7 | 0 |
| 62 | Research on the contributions from different fields of mesons and photons to pseudospin symmetry. European Physical Journal A, 2010, 45, 179-183. | 2.5 | 8 |
| 63 | A relativistic extension of the complex scaling method using oscillator basis functions. Computer Physics Communications, 2010, 181, 550-556. | 7.5 | 21 |
| 64 | Microscopic description of nuclear shape evolution from spherical to octupole-deformed shapes in relativistic mean-field theory. Physical Review C, 2010, 82, . | 2.9 | 25 |
| 65 | Application of the complex scaling method in relativistic mean-field theory. Physical Review C, 2010, 82, . | 2.9 | 54 |
| 66 | SYSTEMATIC ANALYSIS OF SHAPE EVOLUTION FOR <font>Mo</font> ISOTOPES WITH RELATIVISTIC MEAN FIELD THEORY. Modern Physics Letters A, 2010, 25, 1177-1186. | 1.2 | 7 |
| 67 | THE RELATIVISTIC DEVELOPMENT OF BASIS EXPANSION METHOD WITH COMPLEX SCALING FOR THE DESCRIPTION OF BOUND AND RESONANT STATES. International Journal of Modern Physics E, 2010, 19, 1357-1370. | 1.0 | 9 |
| 68 | Bound and Resonant States of the HulthÃ©n Potential Investigated by Using the Complex Scaling Method with the Oscillator Basis. Chinese Physics Letters, 2010, 27, 110304. | 3.3 | 2 |
| 69 | Scattering of a Kleinâ€“Gordon particle by a HulthÃ©n potential. Canadian Journal of Physics, 2009, 87, 1021-1024. | 1.1 | 15 |
| 70 | Transmission resonance for a Dirac particle in a one-dimensional HulthÃ©n potential. Open Physics, 2009, 7, . | 1.7 | 10 |
| 71 | SHAPE PHASE TRANSITIONS AND POSSIBLE E(5) SYMMETRY NUCLEI FOR Ti ISOTOPES. International Journal of Modern Physics E, 2008, 17, 539-548. | 1.0 | 8 |
| 72 | PROPERTIES OF THE SUPERHEAVY NUCLEUS 294118 AND ITS Î±-DECAY CHAIN IN THE RELATIVISTIC MEAN FIELD THEORY. International Journal of Modern Physics E, 2008, 17, 1309-1317. | 1.0 | 1 |

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|---|---|---|---|
| 73 | EXACT SOLUTION OF THE CONTINUOUS STATES FOR GENERALIZED ASYMMETRICAL HARTMANN POTENTIALS UNDER THE CONDITION OF PSEUDOSPIN SYMMETRY. International Journal of Modern Physics A, 2007, 22, 4825-4832. | 1.5 | 31 |
| 74 | Reply to: â€œComment on: â€˜Solution of the Dirac equation for the Woodsâ€“Saxon potential with spin and pseudospin symmetryâ€™â€‰â€•[Phys. Lett. A 350 (2005) 421]. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 350, 425-426. | 2.1 | 4 |
| 75 | Pseudospin symmetry and the relativistic ring-shaped non-spherical harmonic oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 353, 378-382. | 2.1 | 67 |
| 76 | Isospin dependence of pseudospin symmetry in nuclear resonant states. Physical Review C, 2006, 74, . | 2.9 | 48 |
| 77 | HALO IN THE EXCITED STATES FOR N = 41 ISOTONES. Modern Physics Letters A, 2006, 21, 2751-2761. | 1.2 | 2 |
| 78 | SHAPE EVOLUTION FOR Ce ISOTOPES IN RELATIVISTIC MEAN-FIELD THEORY. International Journal of Modern Physics E, 2006, 15, 939-950. | 1.0 | 12 |
| 79 | Solution of the Dirac equation for the Woodsâ€“Saxon potential with spin and pseudospin symmetry. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 338, 90-96. | 2.1 | 155 |
| 80 | Pseudospin symmetry in the relativistic harmonic oscillator. Nuclear Physics A, 2005, 757, 411-421. | 1.5 | 63 |
| 81 | Pseudospin symmetry in the resonant states of nuclei. Physical Review C, 2005, 72, . | 2.9 | 59 |
| 82 | SYSTEMATIC ANALYSIS OF CRITICAL POINT NUCLEI IN THE RARE-EARTH REGION WITH RELATIVISTIC MEAN FIELD THEORY. Modern Physics Letters A, 2005, 20, 2711-2721. | 1.2 | 27 |