

Achim Schwenk

List of Publications by Year in descending order

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211
papers

15,657
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5088
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | EQUATION OF STATE AND NEUTRON STAR PROPERTIES CONSTRAINED BY NUCLEAR PHYSICS AND OBSERVATION. <i>Astrophysical Journal</i> , 2013, 773, 11. | 4.5 | 546 |
| 2 | Model-independent low momentum nucleon interaction from phase shift equivalence. <i>Physics Reports</i> , 2003, 386, 1-27. | 25.6 | 422 |
| 3 | From low-momentum interactions to nuclear structure. <i>Progress in Particle and Nuclear Physics</i> , 2010, 65, 94-147. | 14.4 | 421 |
| 4 | Masses of exotic calcium isotopes pin down nuclear forces. <i>Nature</i> , 2013, 498, 346-349. | 27.8 | 375 |
| 5 | Three-Body Forces and the Limit of Oxygen Isotopes. <i>Physical Review Letters</i> , 2010, 105, 032501. | 7.8 | 364 |
| 6 | Improved nuclear matter calculations from chiral low-momentum interactions. <i>Physical Review C</i> , 2011, 83, . | 2.9 | 362 |
| 7 | Chiral three-nucleon forces and neutron matter. <i>Physical Review C</i> , 2010, 82, . | 2.9 | 312 |
| 8 | The In-Medium Similarity Renormalization Group: A novel ab initio method for nuclei. <i>Physics Reports</i> , 2016, 621, 165-222. | 25.6 | 304 |
| 9 | Neutron Matter at Next-to-Next-to-Next-to-Leading Order in Chiral Effective Field Theory. <i>Physical Review Letters</i> , 2013, 110, 032504. | 7.8 | 300 |
| 10 | Constraints on Neutron Star Radii Based on Chiral Effective Field Theory Interactions. <i>Physical Review Letters</i> , 2010, 105, 161102. | 7.8 | 293 |
| 11 | <i>Colloquium</i>: Three-body forces: From cold atoms to nuclei. <i>Reviews of Modern Physics</i> , 2013, 85, 197-217. | 45.6 | 279 |
| 12 | Neutron and weak-charge distributions of the ^{48}Ca nucleus. <i>Nature Physics</i> , 2016, 12, 186-190. | 16.7 | 268 |
| 13 | Quantum Monte Carlo Calculations with Chiral Effective Field Theory Interactions. <i>Physical Review Letters</i> , 2013, 111, 032501. | 7.8 | 257 |
| 14 | Unexpectedly large charge radii of neutron-rich calcium isotopes. <i>Nature Physics</i> , 2016, 12, 594-598. | 16.7 | 257 |
| 15 | <i>Colloquium</i>: Measuring the neutron star equation of state using x-ray timing. <i>Reviews of Modern Physics</i> , 2016, 88, . | 45.6 | 234 |
| 16 | Cluster formation and the virial equation of state of low-density nuclear matter. <i>Nuclear Physics A</i> , 2006, 776, 55-79. | 1.5 | 214 |
| 17 | Equation-of-state dependence of the gravitational-wave signal from the ring-down phase of neutron-star mergers. <i>Physical Review D</i> , 2012, 86, . | 4.7 | 197 |
| 18 | Neutron matter from chiral effective field theory interactions. <i>Physical Review C</i> , 2013, 88, . | 2.9 | 197 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Discrepancy between experimental and theoretical $\hat{\Gamma}^2$ -decay rates resolved from first principles. Nature Physics, 2019, 15, 428-431. | 16.7 | 195 |
| 20 | In-Medium Similarity Renormalization Group For Nuclei. Physical Review Letters, 2011, 106, 222502. | 7.8 | 191 |
| 21 | Constraints on the Dense Matter Equation of State and Neutron Star Properties from NICER's Mass-Radius Estimate of PSR J0740+6620 and Multimessenger Observations. Astrophysical Journal Letters, 2021, 918, L29. | 8.3 | 190 |
| 22 | Chiral Three-Nucleon Interactions in Light Nuclei, Neutron- $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \hat{\Gamma}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Scattering, and Neutron Matter. Physical Review Letters, 2016, 116, 062501. | 7.8 | 189 |
| 23 | Local chiral effective field theory interactions and quantum Monte Carlo applications. Physical Review C, 2014, 90, . | 2.9 | 186 |
| 24 | Nonperturbative Shell-Model Interactions from the In-Medium Similarity Renormalization Group. Physical Review Letters, 2014, 113, 142501. | 7.8 | 184 |
| 25 | Is nuclear matter perturbative with low-momentum interactions?. Nuclear Physics A, 2005, 763, 59-79. | 1.5 | 181 |
| 26 | Chiral Interactions up to Next-to-Next-to-Next-to-Leading Order and Nuclear Saturation. Physical Review Letters, 2019, 122, 042501. | 7.8 | 181 |
| 27 | Nuclear Forces and Their Impact on Neutron-Rich Nuclei and Neutron-Rich Matter. Annual Review of Nuclear and Particle Science, 2015, 65, 457-484. | 10.2 | 177 |
| 28 | Nucleus-Dependent Valence-Space Approach to Nuclear Structure. Physical Review Letters, 2017, 118, 032502. | 7.8 | 171 |
| 29 | Renormalization group approach to neutron matter: quasiparticle interactions, superfluid gaps and the equation of state. Nuclear Physics A, 2003, 713, 191-216. | 1.5 | 166 |
| 30 | A NICER View of PSR J0030+0451: Implications for the Dense Matter Equation of State. Astrophysical Journal Letters, 2019, 887, L22. | 8.3 | 162 |
| 31 | In-medium similarity renormalization group with chiral two- plus three-nucleon interactions. Physical Review C, 2013, 87, . | 2.9 | 161 |
| 32 | Chiral Two-Body Currents in Nuclei: Gamow-Teller Transitions and Neutrinoless Double-Beta Decay. Physical Review Letters, 2011, 107, 062501. | 7.8 | 160 |
| 33 | Structure of the Lightest Tin Isotopes. Physical Review Letters, 2018, 120, 152503. | 7.8 | 157 |
| 34 | Resonant Fermi Gases with a Large Effective Range. Physical Review Letters, 2005, 95, 160401. | 7.8 | 148 |
| 35 | Coupled-cluster theory for three-body Hamiltonians. Physical Review C, 2007, 76, . | 2.9 | 147 |
| 36 | Constraining the Dense Matter Equation of State with Joint Analysis of NICER and LIGO/Virgo Measurements. Astrophysical Journal Letters, 2020, 893, L21. | 8.3 | 143 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Large-scale nuclear structure calculations for spin-dependent WIMP scattering with chiral effective field theory currents. <i>Physical Review D</i> , 2013, 88, . | 4.7 | 138 |
| 38 | Quantum Monte Carlo calculations of neutron matter with chiral three-body forces. <i>Physical Review C</i> , 2016, 93, . | 2.9 | 136 |
| 39 | Saturation with chiral interactions and consequences for finite nuclei. <i>Physical Review C</i> , 2017, 96, . | 2.9 | 135 |
| 40 | Three-body forces and shell structure in calcium isotopes. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2012, 39, 085111. | 3.6 | 132 |
| 41 | Electric Dipole Polarizability of ^{48}Ca and Implications for the Neutron Skin. <i>Physical Review Letters</i> , 2017, 118, 252501. | 7.8 | 130 |
| 42 | Low-momentum interaction in few-nucleon systems. <i>Physical Review C</i> , 2004, 70, . | 2.9 | 126 |
| 43 | Asymmetric nuclear matter based on chiral two- and three-nucleon interactions. <i>Physical Review C</i> , 2016, 93, . | 2.9 | 121 |
| 44 | Neutron matter from chiral two- and three-nucleon calculations up to ^{3}N . <i>Physical Review C</i> , 2016, 94, . | 2.9 | 120 |
| 45 | ^{78}Ni revealed as a doubly magic stronghold against nuclear deformation. <i>Nature</i> , 2019, 569, 53-58. | 27.8 | 120 |
| 46 | Polarization Contributions to the Spin Dependence of the Effective Interaction in Neutron Matter. <i>Physical Review Letters</i> , 2004, 92, 082501. | 7.8 | 119 |
| 47 | In-medium similarity renormalization group for open-shell nuclei. <i>Physical Review C</i> , 2012, 85, . | 2.9 | 114 |
| 48 | Constraining neutron-star matter with microscopic and macroscopic collisions. <i>Nature</i> , 2022, 606, 276-280. | 27.8 | 112 |
| 49 | Convergence in the no-core shell model with low-momentum two-nucleon interactions. <i>Nuclear Physics A</i> , 2008, 801, 21-42. | 1.5 | 108 |
| 50 | New Precision Mass Measurements of Neutron-Rich Calcium and Potassium Isotopes and Three-Nucleon Forces. <i>Physical Review Letters</i> , 2012, 109, 032506. | 7.8 | 106 |
| 51 | Microscopic calculations and energy expansions for neutron-rich matter. <i>Physical Review C</i> , 2014, 89, . | 2.9 | 106 |
| 52 | Ground and excited states of doubly open-shell nuclei from <i>ab initio</i> valence-space Hamiltonians. <i>Physical Review C</i> , 2016, 93, . | 2.9 | 103 |
| 53 | <i>Ab Initio</i> Limits of Atomic Nuclei. <i>Physical Review Letters</i> , 2021, 126, 022501. | 7.8 | 100 |
| 54 | Spin-dependent WIMP scattering off nuclei. <i>Physical Review D</i> , 2012, 86, . | 4.7 | 98 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Asymptotic Constraints on the Symmetry Energy and the Neutron Skin of ^{208}Pb with Minimal Modeling Assumptions. <i>Physical Review Letters</i> , 2021, 127, 192701. | 7.8 | 94 |
| 56 | Induced P-Wave Superfluidity in Asymmetric Fermi Gases. <i>Physical Review Letters</i> , 2006, 97, 020402. | 7.8 | 93 |
| 57 | Low-momentum interactions with smooth cutoffs. <i>Nuclear Physics A</i> , 2007, 784, 79-103. | 1.5 | 93 |
| 58 | Beyond the neutron drip line: The unbound oxygen isotopes ^{25}O and ^{26}O . <i>Physical Review C</i> , 2013, 88, . | 2.9 | 93 |
| 59 | Chiral power counting of one- and two-body currents in direct detection of dark matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 746, 410-416. | 4.1 | 90 |
| 60 | Equation of state sensitivities when inferring neutron star and dense matter properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5363-5376. | 4.4 | 89 |
| 61 | Influence of light nuclei on neutrino-driven supernova outflows. <i>Physical Review C</i> , 2008, 78, . | 2.9 | 88 |
| 62 | Towards a model-independent low momentum nucleon-nucleon interaction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 576, 265-272. | 4.1 | 86 |
| 63 | Improved Mass for the Four-Neutron Halo ^6He | 7.8 | 86 |
| 64 | The virial equation of state of low-density neutron matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 638, 153-159. | 4.1 | 84 |
| 65 | Benchmark calculations for ^3H , ^4He , ^{16}O , and ^{40}Ca with ab initio coupled-cluster theory. <i>Physical Review C</i> , 2007, 76, . | 2.9 | 83 |
| 66 | Exploring nuclei from two- and three-nucleon interactions with realistic saturation properties. <i>Physical Review C</i> , 2016, 93, . | 2.9 | 81 |
| 67 | Dawning of the ^{32}N Shell Closure Seen through Precision Mass Measurements of Neutron-Rich Titanium Isotopes. <i>Physical Review Letters</i> , 2018, 120, 062503. | 7.8 | 81 |
| 68 | Dense matter with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1. | 5.1 | 81 |
| 69 | Properties of Nuclei up to ^{16}A using Local Chiral Interactions. <i>Physical Review Letters</i> , 2018, 120, 122502. | 7.8 | 79 |
| 70 | Nuclear structure aspects of spin-independent WIMP scattering off xenon. <i>Physical Review D</i> , 2015, 91, . | 4.7 | 78 |
| 71 | Three-nucleon forces and spectroscopy of neutron-rich calcium isotopes. <i>Physical Review C</i> , 2014, 90, . | 2.9 | 75 |
| 72 | Improved Limits for Higgs-Portal Dark Matter from LHC Searches. <i>Physical Review Letters</i> , 2017, 119, 181803. | 7.8 | 72 |

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|----|---|-----|-----------|
| 73 | Coherent elastic neutrino-nucleus scattering: EFT analysis and nuclear responses. <i>Physical Review D</i> , 2020, 102, . | 4.7 | 72 |
| 74 | Analysis strategies for general spin-independent WIMP-nucleus scattering. <i>Physical Review D</i> , 2016, 94, . | 4.7 | 70 |
| 75 | Neutrino-nucleon scattering in supernova matter from the virial expansion. <i>Physical Review C</i> , 2017, 95, . | 2.9 | 69 |
| 76 | Auxiliary field diffusion Monte Carlo calculations of light and medium-mass nuclei with local chiral interactions. <i>Physical Review C</i> , 2018, 97, . | 2.9 | 65 |
| 77 | Quantum Monte Carlo calculations of light nuclei with local chiral two- and three-nucleon interactions. <i>Physical Review C</i> , 2017, 96, . | 2.9 | 62 |
| 78 | Three-Body Forces and Proton-Rich Nuclei. <i>Physical Review Letters</i> , 2013, 110, 022502. | 7.8 | 61 |
| 79 | Signatures of dark matter scattering inelastically off nuclei. <i>Physical Review D</i> , 2013, 88, . | 4.7 | 60 |
| 80 | Neutrino breakup of $A=3$ nuclei in supernovae. <i>Physical Review C</i> , 2007, 75, . | 2.9 | 57 |
| 81 | Symmetric Nuclear Matter from the Strong Interaction. <i>Physical Review Letters</i> , 2020, 125, 142502. | 7.8 | 56 |
| 82 | Low-momentum nucleon-nucleon interaction and Fermi liquid theory. <i>Nuclear Physics A</i> , 2002, 703, 745-769. | 1.5 | 55 |
| 83 | Chiral three-nucleon forces and bound excited states in neutron-rich oxygen isotopes. <i>European Physical Journal A</i> , 2013, 49, 1. | 2.5 | 55 |
| 84 | Convergence of the Born series with low-momentum interactions. <i>Nuclear Physics A</i> , 2006, 773, 203-220. | 1.5 | 54 |
| 85 | Isospin-symmetry-breaking corrections to superallowed Fermi β -decay: Formalism and schematic models. <i>Physical Review C</i> , 2008, 78, . | 2.9 | 54 |
| 86 | Quantum Monte Carlo Calculations of Light Nuclei Using Chiral Potentials. <i>Physical Review Letters</i> , 2014, 113, 192501. | 7.8 | 52 |
| 87 | β -decay constraints on thermal effects of the nuclear equation of state. <i>Physical Review C</i> , 2019, 100, . | 2.9 | 52 |
| 88 | Equation of State Effects in Core-Collapse Supernovae. <i>Physical Review Letters</i> , 2020, 124, 092701. | 7.8 | 52 |
| 89 | Is a Trineutron Resonance Lower in Energy than a Tetraneutron Resonance?. <i>Physical Review Letters</i> , 2017, 118, 232501. | 7.8 | 51 |
| 90 | Eigenvector continuation as an efficient and accurate emulator for uncertainty quantification. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 810, 135814. | 4.1 | 51 |

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|-----|---|-----|-----------|
| 91 | Equation of State Constraints from Nuclear Physics, Neutron Star Masses, and Future Moment of Inertia Measurements. <i>Astrophysical Journal</i> , 2020, 901, 155. | 4.5 | 51 |
| 92 | Isospin-symmetry-breaking corrections to superallowed Fermi β decay: Radial excitations. <i>Physical Review C</i> , 2009, 80, . | 2.9 | 47 |
| 93 | Non-empirical pairing energy functional in nuclear matter and finite nuclei. <i>Physical Review C</i> , 2009, 80, . | 2.9 | 46 |
| 94 | Constraints on Skyrme equations of state from properties of doubly magic nuclei and ϵ ab initio calculations of low-density neutron matter. <i>Physical Review C</i> , 2014, 89, . | 2.9 | 46 |
| 95 | Nuclear structure factors for general spin-independent WIMP-nucleus scattering. <i>Physical Review D</i> , 2019, 99, . | 4.7 | 46 |
| 96 | Block diagonalization using similarity renormalization group flow equations. <i>Physical Review C</i> , 2008, 77, . | 2.9 | 43 |
| 97 | Matter and charge radius of ^6He in the hyperspherical-harmonics approach. <i>Physical Review C</i> , 2012, 86, . | 2.9 | 43 |
| 98 | How Robust is the Subshell Closure? First Spectroscopy of ^{34}Ar . <i>Physical Review Letters</i> , 2019, 123, 092502. | 7.8 | 41 |
| 99 | First glimpse of the Shell Closure below $Z=50$ from Masses of Neutron Rich Cadmium Isotopes and Isomers. <i>Physical Review Letters</i> , 2020, 124, 092502. | 7.8 | 41 |
| 100 | Are low-energy nuclear observables sensitive to high-energy phase shifts?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 649, 488-493. | 4.1 | 40 |
| 101 | Nucleon-nucleon scattering in a harmonic potential. <i>Physical Review C</i> , 2010, 82, . | 2.9 | 40 |
| 102 | Ground-state electromagnetic moments of calcium isotopes. <i>Physical Review C</i> , 2015, 91, . | 2.9 | 40 |
| 103 | Precision Mass Measurements of ^{58}Cr and ^{63}Cr : Nuclear Collectivity Towards the $N=40$ Island of Inversion. <i>Physical Review Letters</i> , 2019, 123, 092502. | 7.8 | 40 |
| 104 | The neutrino response of low-density neutron matter from the virial expansion. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 642, 326-332. | 4.1 | 39 |
| 105 | Pairing in neutron matter: New uncertainty estimates and three-body forces. <i>Physical Review C</i> , 2017, 95, . | 2.9 | 39 |
| 106 | Neutron matter at finite temperature. <i>Nuclear Physics A</i> , 2008, 806, 105-116. | 1.5 | 38 |
| 107 | Detailed examination of astrophysical constraints on the symmetry energy and the neutron skin of ^{208}Pb with minimal modeling assumptions. <i>Physical Review C</i> , 2021, 104, . | 1.5 | 38 |
| 108 | Weinberg eigenvalues for chiral nucleon-nucleon interactions. <i>Physical Review C</i> , 2017, 96, . | 2.9 | 36 |

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|-----|---|-----|-----------|
| 109 | New equations of state constrained by nuclear physics, observations, and QCD calculations of high-density nuclear matter. <i>Physical Review C</i> , 2021, 103, . | 2.9 | 36 |
| 110 | Probing chiral interactions up to next-to-next-to-next-to-leading order in medium-mass nuclei. <i>Physical Review C</i> , 2019, 100, . | 2.9 | 35 |
| 111 | Dependence of the BCS ISO superfluid pairing gap on nuclear interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 648, 176-180. | 4.1 | 34 |
| 112 | Breakdown of the Isobaric Multiplet Mass Equation for the $A \leq 20$ and 21 Multiplets. <i>Physical Review Letters</i> , 2014, 113, 082501. | 7.8 | 34 |
| 113 | The role of three-nucleon forces and many-body processes in nuclear pairing. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013, 40, 075105. | 3.6 | 33 |
| 114 | Symmetry energy, neutron skin, and neutron star radius from chiral effective field theory interactions. <i>European Physical Journal A</i> , 2014, 50, 1. | 2.5 | 33 |
| 115 | Shell evolution of $N=40$ isotones towards ^{60}Ca : First spectroscopy of ^{62}Ti . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135071. | 4.1 | 32 |
| 116 | 39K, 40K and 41K Nuclear Magnetic Resonance Studies. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1974, 29, 1754-1762. | 1.5 | 31 |
| 117 | Analyzing the Fierz rearrangement freedom for local chiral two-nucleon potentials. <i>Physical Review C</i> , 2017, 96, . | 2.9 | 31 |
| 118 | Short-Range Correlations and the EMC Effect in Effective Field Theory. <i>Physical Review Letters</i> , 2017, 119, 262502. | 7.8 | 30 |
| 119 | Signatures of few-body resonances in finite volume. <i>Physical Review C</i> , 2018, 98, . | 2.9 | 30 |
| 120 | Charge Radius of the Short-Lived ^{68}Ni and Correlation with the Dipole Polarizability. <i>Physical Review Letters</i> , 2020, 124, 132502. | 7.8 | 30 |
| 121 | Helium halo nuclei from low-momentum interactions. <i>European Physical Journal A</i> , 2009, 42, 553. | 2.5 | 29 |
| 122 | NEUTRINO PROCESSES IN PARTIALLY DEGENERATE NEUTRON MATTER. <i>Astrophysical Journal</i> , 2012, 758, 34. | 4.5 | 29 |
| 123 | Charged-current reactions in the supernova neutrino-sphere. <i>Physical Review C</i> , 2015, 91, . | 2.9 | 29 |
| 124 | Improved many-body expansions from eigenvector continuation. <i>Physical Review C</i> , 2020, 101, . | 2.9 | 28 |
| 125 | Neutron matter at finite temperature based on chiral effective field theory interactions. <i>Physical Review C</i> , 2021, 103, . | 2.9 | 28 |
| 126 | Chiral effective field theory calculations of neutrino processes in dense matter. <i>Physical Review C</i> , 2009, 80, . | 2.9 | 27 |

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|-----|--|-----|-----------|
| 145 | <i>Ab initio</i> short-range-correlation scaling factors from light to medium-mass nuclei. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 045109. | 3.6 | 17 |
| 146 | The chiral condensate in neutron matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 412-416. | 4.1 | 16 |
| 147 | Uncertainties in constraining low-energy constants from ^3H β decay. European Physical Journal A, 2017, 53, 1. | 2.5 | 16 |
| 148 | Double-folding potentials from chiral effective field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 668-674. | 4.1 | 16 |
| 149 | Two-neutrino double electron capture on ^{124}Xe based on an effective theory and the nuclear shell model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134885. | 4.1 | 16 |
| 150 | Nuclear Magnetic Resonance Studies of ^{43}Ca . Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1973, 28, 1534-1536. | 1.5 | 15 |
| 151 | Nuclear structure studies of ^{24}F . Physical Review C, 2015, 92, . | 2.9 | 15 |
| 152 | Quantum Monte Carlo calculations of two neutrons in finite volume. Physical Review C, 2016, 94, . | 2.9 | 15 |
| 153 | Comment on "Ab Initio Study of ^{40}Ca with an Importance-Truncated No-Core Shell Model". Physical Review Letters, 2008, 101, 119201; author reply 119202. | 7.8 | 14 |
| 154 | Effective proton-neutron interaction near the drip line from unbound states in ^{25}F and ^{26}F . Physical Review C, 2017, 96, . | 2.9 | 14 |
| 155 | Ground-state electromagnetic moments of ^{48}Ca . Physical Review Letters, 2019, 99, . | 2.9 | 14 |
| 156 | Testing <i>ab initio</i> nuclear structure in neutron-rich nuclei: Lifetime measurements of second state in ^{16}C and ^{16}O . Physical Review C, 2017, 95, . | 2.9 | 14 |
| 157 | Dilute Fermi gas at fourth order in effective field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135247. | 4.1 | 14 |
| 158 | Instanton contribution to the proton and neutron electric form factors. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 549, 93-100. | 4.1 | 12 |
| 159 | Shell-model phenomenology of low-momentum interactions. Physical Review C, 2006, 74, . | 2.9 | 12 |
| 160 | Unexpected distribution of $\hat{I}^{1/2}$ strength in ^{49}Ca . Physical Review C, 2017, 95, . | 2.9 | 12 |
| 161 | Gamow-Teller and double- \hat{I}^2 decays of heavy nuclei within an effective theory. Physical Review C, 2018, 98, . | 2.9 | 12 |
| 162 | Examining the N=28 shell closure through high-precision mass measurements of ^{46}Ar . Physical Review C, 2020, 102, . | 2.9 | 12 |

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|-----|---|-----|-----------|
| 163 | Dispersion and decay of collective modes in neutron star cores. Physical Review C, 2017, 96, . | 2.9 | 11 |
| 164 | Shell-model interactions from chiral effective field theory. Physical Review C, 2018, 98, . | 2.9 | 10 |
| 165 | Dispersion relations applied to double-folding potentials from chiral effective field theory. Physical Review C, 2020, 102, . | 2.9 | 10 |
| 166 | Spin-polarized Neutron Matter, the Maximum Mass of Neutron Stars, and GW170817. Astrophysical Journal, 2020, 892, 14. | 4.5 | 10 |
| 167 | Role of Chiral Two-Body Currents in ^6Li Magnetic Properties in Light of a New Precision Measurement with the Relative Self-Absorption ^6Li . Physical Review Letters, 2021, 126, 102501. | 7.8 | 10 |
| 168 | shell closure below calcium: Low-lying structure of ^{32}Ar . Physical Review C, 2020, 102, . | 2.9 | 10 |
| 169 | Low-momentum interactions for nuclei. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1273-S1282. | 3.6 | 9 |
| 170 | Resonant relativistic corrections and the Aproblem. Physical Review C, 2007, 76, . | 2.9 | 9 |
| 171 | Spin response of a normal Fermi liquid with noncentral interactions. Physical Review C, 2009, 80, . | 2.9 | 9 |
| 172 | LOWEST-ORDER CONTRIBUTIONS OF CHIRAL THREE-NUCLEON INTERACTIONS TO PAIRING PROPERTIES OF NUCLEAR GROUND STATES. Modern Physics Letters A, 2010, 25, 1989-1992. | 1.2 | 9 |
| 173 | Gandolfi et al. Reply.. Physical Review Letters, 2019, 123, 069202. | 7.8 | 9 |
| 174 | Nuclear Structure at the Crossroads. Few-Body Systems, 2021, 62, 1. | 1.5 | 9 |
| 175 | Pairing and superfluidity of nucleons in neutron stars. , 2014, , 580-615. | | 9 |
| 176 | Excited states from eigenvector continuation: The anharmonic oscillator. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 830, 137101. | 4.1 | 9 |
| 177 | Three-body resonances in pionless effective field theory. Physical Review C, 2022, 105, . | 2.9 | 9 |
| 178 | Discriminating WIMP-nucleus response functions in present and future XENON-like direct detection experiments. Physical Review D, 2018, 97, . | 4.7 | 8 |
| 179 | Electromagnetic properties of ^{21}O for benchmarking nuclear Hamiltonians. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135678. | 4.1 | 8 |
| 180 | Three-nucleon interactions: A frontier in nuclear structure. AIP Conference Proceedings, 2008, , . | 0.4 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Large-cutoff behavior of local chiral effective field theory interactions. <i>Physical Review C</i> , 2018, 98, . | 2.9 | 6 |
| 182 | Comparing different density-matrix expansions for long-range pion exchange. <i>Physical Review C</i> , 2021, 103, . | 2.9 | 6 |
| 183 | Effective field theory for dilute Fermi systems at fourth order. <i>Physical Review C</i> , 2021, 104, . | 2.9 | 6 |
| 184 | From weak to strong: Constrained extrapolation of perturbation series with applications to dilute Fermi systems. <i>Physical Review Research</i> , 2020, 2, . | 3.6 | 6 |
| 185 | Shell Evolution in Exotic Nuclei and Nuclear Forces. <i>Nuclear Physics News</i> , 2012, 22, 12-17. | 0.4 | 5 |
| 186 | Renormalization Group and Fermi Liquid Theory for Many-Nucleon Systems. <i>Lecture Notes in Physics</i> , 2012, , 245-285. | 0.7 | 5 |
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