

Achim Schwenk

List of Publications by Year in descending order

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211
papers

15,657
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10986

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214
all docs

214
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear Charge Radii of the Nickel Isotopes $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Ni} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 58 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \hat{=} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 68 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle , \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 70 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Physical Review Letters, 2022, 128, 022502.	7.8	27
2	Importance truncation for the in-medium similarity renormalization group. Physical Review C, 2022, 105, .	2.9	2
3	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
4	Constraining neutron-star matter with microscopic and macroscopic collisions. Nature, 2022, 606, 276-280.	27.8	112
5	Three-body resonances in pionless effective field theory. Physical Review C, 2022, 105, .	2.9	9
6	$\langle \text{i} \rangle \text{Ab} \hat{\text{A}} \text{initio} \langle \text{i} \rangle$ Limits of Atomic Nuclei. Physical Review Letters, 2021, 126, 022501.	7.8	100
7	Comparing different density-matrix expansions for long-range pion exchange. Physical Review C, 2021, 103, .	2.9	6
8	New equations of state constrained by nuclear physics, observations, and QCD calculations of high-density nuclear matter. Physical Review C, 2021, 103, .	2.9	36
9	Role of Chiral Two-Body Currents in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Li} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Magnetic Properties in Light of a New Precision Measurement with the Relative Self-Absorption Technique. Physical Review Letters, 2021, 126, 102501.	7.8	10
10	Constrained Extrapolation Problem and Order-Dependent Mappings. Physica Status Solidi (B): Basic Research, 2021, 258, 2000554.	1.5	2
11	In-medium similarity renormalization group with three-body operators. Physical Review C, 2021, 103, .	2.9	27
12	Neutron matter at finite temperature based on chiral effective field theory interactions. Physical Review C, 2021, 103, .	2.9	28
13	Effective field theory for dilute Fermi systems at fourth order. Physical Review C, 2021, 104, .	2.9	6
14	Nuclear Structure at the Crossroads. Few-Body Systems, 2021, 62, 1.	1.5	9
15	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
16	Mass measurements of ^{99}In challenge ab initio nuclear theory of the nuclide ^{100}Sn . Nature Physics, 2021, 17, 1099-1103.	16.7	21
17	Low-rank matrix decompositions for ab initio nuclear structure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 821, 136623.	4.1	5
18	Natural orbitals for many-body expansion methods. Physical Review C, 2021, 103, .	2.9	20

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19	<p> Detailed examination of astrophysical constraints on the symmetry energy and the neutron skin of ^{208}Pb with minimal modeling assumptions. Physical Review C, 2021, 104, . </p>	7.8	94
20	<p> Shell evolution of $N=40$ isotones towards ^{60}Ca: First spectroscopy of ^{62}Ti. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135071. </p>	4.1	32
21	<p> Examining the $N=28$ shell closure through high-precision mass measurements of ^{46}Ar. Physical Review C, 2020, 102, . </p>	2.9	12
22	<p> Dispersion relations applied to double-folding potentials from chiral effective field theory. Physical Review C, 2020, 102, . </p>	2.9	10
23	<p> Electromagnetic properties of ^{210}Po for benchmarking nuclear Hamiltonians. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135678. </p>	4.1	8
24	<p> Eigenvector continuation as an efficient and accurate emulator for uncertainty quantification. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 810, 135814. </p>	4.1	51
25	<p> Symmetric Nuclear Matter from the Strong Interaction. Physical Review Letters, 2020, 125, 142502. </p>	7.8	56
26	<p> Coherent elastic neutrino-nucleus scattering: EFT analysis and nuclear responses. Physical Review D, 2020, 102, . </p>	4.7	72
27	<p> Testing $ab\text{ initio}$ nuclear structure in neutron-rich nuclei: Lifetime measurements of second state in ^{12}C. Physical Review Letters, 2020, 124, 092701. </p>	2.9	14
28	<p> First collapse of the ^{82}Zr shell closure below $N=82$ from Charge Radius of the Short-Lived ^{82}Zr. Physical Review Letters, 2020, 124, 132502. </p>	7.8	41
29	<p> Equation of State Effects in Core-Collapse Supernovae. Physical Review Letters, 2020, 124, 092701. </p>	7.8	30
30	<p> Equation of State Effects in Core-Collapse Supernovae. Physical Review Letters, 2020, 124, 092701. </p>	7.8	52
31	<p> $ab\text{ initio}$ short-range-correlation scaling factors from light to medium-mass nuclei. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 045109. </p>	3.6	17
32	<p> Improved many-body expansions from eigenvector continuation. Physical Review C, 2020, 101, . </p>	2.9	28
33	<p> Constraining the Dense Matter Equation of State with Joint Analysis of NICER and LIGO/Virgo Measurements. Astrophysical Journal Letters, 2020, 893, L21. </p>	8.3	143
34	<p> Spin-polarized Neutron Matter, the Maximum Mass of Neutron Stars, and GW170817. Astrophysical Journal, 2020, 892, 14. </p>	4.5	10
35	<p> Dilute Fermi gas at fourth order in effective field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135247. </p>	4.1	14

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37	shell closure below calcium: Low-lying structure of $N=32$ nuclei. Physical Review C, 2020, 102, .	2.9	10
38	From weak to strong: Constrained extrapolation of perturbation series with applications to dilute Fermi systems. Physical Review Research, 2020, 2, .	3.6	6
39	Equation of State Constraints from Nuclear Physics, Neutron Star Masses, and Future Moment of Inertia Measurements. Astrophysical Journal, 2020, 901, 155.	4.5	51
40	Dark matter-nucleus scattering in chiral effective field theory. , 2020, , .		1
41	Nucleus-nucleus potentials from local chiral EFT interactions. Journal of Physics: Conference Series, 2020, 1643, 012084.	0.4	0
42	Probing chiral interactions up to next-to-next-to-next-to-leading order in medium-mass nuclei. Physical Review C, 2019, 100, .	2.9	35
43	<i>Ab initio</i> constraints on thermal effects of the nuclear equation of state. Physical Review C, 2019, 100, .	2.9	52
44	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
45	Chiral Interactions up to Next-to-Next-to-Next-to-Leading Order and Nuclear Saturation. Physical Review Letters, 2019, 122, 042501.	7.8	181
46	Ground-state electromagnetic moments of ^{23}Ca . Physical Review C, 2019, 99, .	2.9	14
47	Ground-state electromagnetic moments of ^{23}Sc . Physical Review C, 2019, 99, .	2.9	22
48	Equation of state sensitivities when inferring neutron star and dense matter properties. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5363-5376.	4.4	89
49	^{78}Ni revealed as a doubly magic stronghold against nuclear deformation. Nature, 2019, 569, 53-58.	27.8	120
50	Subshell Closure? First Spectroscopy of $N=34$ Nuclei. Physical Review Letters, 2019, 123, 071301.	7.8	41
51	Discrepancy between experimental and theoretical ^{12}C decay rates resolved from first principles. Nature Physics, 2019, 15, 428-431.	16.7	195
52	Nuclear structure factors for general spin-independent WIMP-nucleus scattering. Physical Review D, 2019, 99, .	4.7	46
53	First Results on the Scalar WIMP-Pion Coupling, Using the XENON1T Experiment. Physical Review Letters, 2019, 122, 071301.	7.8	23
54	Gandolfi et al. Reply:. Physical Review Letters, 2019, 123, 069202.	7.8	9

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55	A NICER View of PSR J0030+0451: Implications for the Dense Matter Equation of State. <i>Astrophysical Journal Letters</i> , 2019, 887, L22.	8.3	162
56	Dense matter with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	81
57	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
58	Structure of the Lightest Tin Isotopes. <i>Physical Review Letters</i> , 2018, 120, 152503.	7.8	157
59	Dawning of the $N=32$ Shell Closure Seen through Precision Mass Measurements of Neutron-Rich Titanium Isotopes. <i>Physical Review Letters</i> , 2018, 120, 062503.	7.8	81
60	Properties of Nuclei up to $A=16$ using Local Chiral Interactions. <i>Physical Review Letters</i> , 2018, 120, 122502.	7.8	79
61	From <i>ab initio</i> structure predictions to reaction calculations via EFT. <i>Journal of Physics: Conference Series</i> , 2018, 1023, 012010.	0.4	4
62	Gamow-Teller and double- β decays of heavy nuclei within an effective theory. <i>Physical Review C</i> , 2018, 98, .	2.9	12
63	Signatures of few-body resonances in finite volume. <i>Physical Review C</i> , 2018, 98, .	2.9	30
64	Shell-model interactions from chiral effective field theory. <i>Physical Review C</i> , 2018, 98, .	2.9	10
65	Large-cutoff behavior of local chiral effective field theory interactions. <i>Physical Review C</i> , 2018, 98, .	2.9	6
66	Discriminating WIMP-nucleus response functions in present and future XENON-like direct detection experiments. <i>Physical Review D</i> , 2018, 97, .	4.7	8
67	Precision Mass Measurements of Cr : Nuclear Collectivity Towards the $N=58$ Island	7.8	40
68	Double-folding potentials from chiral effective field theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 782, 668-674.	4.1	16
69	Nucleus-Dependent Valence-Space Approach to Nuclear Structure. <i>Physical Review Letters</i> , 2017, 118, 032502.	7.8	171
70	Pairing in neutron matter: New uncertainty estimates and three-body forces. <i>Physical Review C</i> , 2017, 95, .	2.9	39
71	Improved Limits for Higgs-Portal Dark Matter from LHC Searches. <i>Physical Review Letters</i> , 2017, 119, 181803.	7.8	72
72	Dispersion and decay of collective modes in neutron star cores. <i>Physical Review C</i> , 2017, 96, .	2.9	11

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73	Neutrino-nucleon scattering in supernova matter from the virial expansion. Physical Review C, 2017, 95, .	2.9	69
74	Is a Trineutron Resonance Lower in Energy than a Tetraneutron Resonance?. Physical Review Letters, 2017, 118, 232501.	7.8	51
75	Unexpected distribution of $\hat{1}^2_{1f7/2}$ strength in Ca49. Physical Review C, 2017, 95, .	2.9	12
76	Weinberg eigenvalues for chiral nucleon-nucleon interactions. Physical Review C, 2017, 96, .	2.9	36
77	Quantum Monte Carlo calculations of light nuclei with local chiral two- and three-nucleon interactions. Physical Review C, 2017, 96, .	2.9	62
78	Effective proton-neutron interaction near the drip line from unbound states in F . Physical Review C, 2017, 96, .	2.9	14
79	Saturation with chiral interactions and consequences for finite nuclei. Physical Review C, 2017, 96, .	2.9	135
80	Electric Dipole Polarizability of Ca and Implications for the Neutron Skin. Physical Review Letters, 2017, 118, 252501.	7.8	130
81	Short-Range Correlations and the EMC Effect in Effective Field Theory. Physical Review Letters, 2017, 119, 262502.	7.8	30
82	Analyzing the Fierz rearrangement freedom for local chiral two-nucleon potentials. Physical Review C, 2017, 96, .	2.9	31
83	Uncertainties in constraining low-energy constants from $3H \rightarrow \eta + \pi^2$ decay. European Physical Journal A, 2017, 53, 1.	2.5	16
84	Emission of neutrino-antineutrino pairs by hadronic bremsstrahlung processes. EPJ Web of Conferences, 2016, 117, 02003.	0.3	1
85	Quantum Monte Carlo calculations of two neutrons in finite volume. Physical Review C, 2016, 94, .	2.9	15
86	Impact of nucleon-nucleon bremsstrahlung rates beyond one-pion exchange. Physical Review D, 2016, 94, .	4.7	19
87	Neutron matter from chiral two- and three-nucleon calculations up to $3N$ LO. Physical Review C, 2016, 94, .	2.9	120
88	Analysis strategies for general spin-independent WIMP-nucleus scattering. Physical Review D, 2016, 94, .	4.7	70
89	Exploring s - d nuclei from two- and three-nucleon interactions with realistic saturation properties. Physical Review C, 2016, 93, .	2.9	81
90	Ground and excited states of doubly open-shell nuclei from $ab initio$ valence-space Hamiltonians. Physical Review C, 2016, 93, .	2.9	103

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91	Asymmetric nuclear matter based on chiral two- and three-nucleon interactions. Physical Review C, 2016, 93, .	2.9	121
92	Chiral Three-Nucleon Interactions in Light Nuclei, Neutron- \hat{I}_{\pm} Scattering, and Neutron Matter. Physical Review Letters, 2016, 116, 062501.	7.8	189
93	Colloquium: Measuring the neutron star equation of state using x-ray timing. Reviews of Modern Physics, 2016, 88, .	45.6	234
94	Quantum Monte Carlo calculations of neutron matter with chiral three-body forces. Physical Review C, 2016, 93, .	2.9	136
95	Neutron matter with Quantum Monte Carlo: chiral 3N forces and static response. Journal of Physics: Conference Series, 2016, 702, 012014.	0.4	0
96	Unexpectedly large charge radii of neutron-rich calcium isotopes. Nature Physics, 2016, 12, 594-598.	16.7	257
97	The In-Medium Similarity Renormalization Group: A novel ab initio method for nuclei. Physics Reports, 2016, 621, 165-222.	25.6	304
98	Neutron and weak-charge distributions of the ^{48}Ca nucleus. Nature Physics, 2016, 12, 186-190.	16.7	268
99	Nuclear structure studies of F_{24} . Physical Review C, 2015, 92, .	2.9	15
100	To which densities is spin-polarized neutron matter a weakly interacting Fermi gas?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 18-21.	4.1	17
101	Chiral power counting of one- and two-body currents in direct detection of dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 410-416.	4.1	90
102	Nuclear structure aspects of spin-independent WIMP scattering off xenon. Physical Review D, 2015, 91, .	4.7	78
103	Neutrino-pair bremsstrahlung from nucleon- \hat{I}_{\pm} versus nucleon-nucleon scattering. Physical Review C, 2015, 91, .	2.9	3
104	Ground-state electromagnetic moments of calcium isotopes. Physical Review C, 2015, 91, .	2.9	40
105	Charged-current reactions in the supernova neutrino-sphere. Physical Review C, 2015, 91, .	2.9	29
106	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
107	Local chiral effective field theory interactions and quantum Monte Carlo applications. Physical Review C, 2014, 90, .	2.9	186
108	Supernova Matter at Subnuclear Densities as a Resonant Fermi Gas: Enhancement of Neutrino Rates. Physical Review Letters, 2014, 113, 081101.	7.8	27

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109	Nonperturbative Shell-Model Interactions from the In-Medium Similarity Renormalization Group. Physical Review Letters, 2014, 113, 142501.	7.8	184
110	Quantum Monte Carlo Calculations of Light Nuclei Using Chiral Potentials. Physical Review Letters, 2014, 113, 192501.	7.8	52
111	Symmetry energy, neutron skin, and neutron star radius from chiral effective field theory interactions. European Physical Journal A, 2014, 50, 1.	2.5	33
112	Neutron polaron as a constraint on nuclear density functionals. Physical Review C, 2014, 89, .	2.9	19
113	Three-nucleon forces and spectroscopy of neutron-rich calcium isotopes. Physical Review C, 2014, 90, .	2.9	75
114	Microscopic calculations and energy expansions for neutron-rich matter. Physical Review C, 2014, 89, .	2.9	106
115	Breakdown of the Isobaric Multiplet Mass Equation for the $A > 20$ Multiplets. Physical Review Letters, 2014, 113, 082501.	7.8	34
116	Constraints on Skyrme equations of state from properties of doubly magic nuclei and ab initio calculations of low-density neutron matter. Physical Review C, 2014, 89, .	2.9	46
117	Pairing and superfluidity of nucleons in neutron stars. , 2014, , 580-615.		9
118	The role of three-nucleon forces and many-body processes in nuclear pairing. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 075105.	3.6	33
119	The chiral condensate in neutron matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 412-416.	4.1	16
120	Colloquium: Three-body forces: From cold atoms to nuclei. Reviews of Modern Physics, 2013, 85, 197-217.	45.6	279
121	Three-Body Forces and Proton-Rich Nuclei. Physical Review Letters, 2013, 110, 022502.	7.8	61
122	Masses of exotic calcium isotopes pin down nuclear forces. Nature, 2013, 498, 346-349.	27.8	375
123	Chiral three-nucleon forces and bound excited states in neutron-rich oxygen isotopes. European Physical Journal A, 2013, 49, 1.	2.5	55
124	EQUATION OF STATE AND NEUTRON STAR PROPERTIES CONSTRAINED BY NUCLEAR PHYSICS AND OBSERVATION. Astrophysical Journal, 2013, 773, 11.	4.5	546
125	Three-nucleon forces and nuclei at the extremes. Journal of Physics: Conference Series, 2013, 445, 012009.	0.4	0
126	In-medium similarity renormalization group with chiral two- plus three-nucleon interactions. Physical Review C, 2013, 87, .	2.9	161

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127	Quantum MonteCarlo Calculations with Chiral Effective Field Theory Interactions. Physical Review Letters, 2013, 111, 032501.	7.8	257
128	Signatures of dark matter scattering inelastically off nuclei. Physical Review D, 2013, 88, .	4.7	60
129	Beyond the neutron drip line: The unbound oxygen isotopes ^{25}O and ^{26}O . Physical Review C, 2013, 88, .	2.9	93
130	Large-scale nuclear structure calculations for spin-dependent WIMP scattering with chiral effective field theory currents. Physical Review D, 2013, 88, .	4.7	138
131	Neutron matter from chiral effective field theory interactions. Physical Review C, 2013, 88, .	2.9	197
132	Neutron Matter at Next-to-Next-to-Next-to-Leading Order in Chiral Effective Field Theory. Physical Review Letters, 2013, 110, 032504.	7.8	300
133	Nuclear astrophysics and electron beams. , 2013, , .		0
134	Three-body forces and shell structure in calcium isotopes. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 085111.	3.6	132
135	Spin-dependent WIMP scattering off nuclei. Physical Review D, 2012, 86, .	4.7	98
136	New Precision Mass Measurements of Neutron-Rich Calcium and Potassium Isotopes and Three-Nucleon Forces. Physical Review Letters, 2012, 109, 032506.	7.8	106
137	In-medium similarity renormalization group for open-shell nuclei. Physical Review C, 2012, 85, .	2.9	114
138	Shell Evolution in Exotic Nuclei and Nuclear Forces. Nuclear Physics News, 2012, 22, 12-17.	0.4	5
139	Chiral three-nucleon forces and pairing in nuclei. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 015108.	3.6	17
140	Equation-of-state dependence of the gravitational-wave signal from the ring-down phase of neutron-star mergers. Physical Review D, 2012, 86, .	4.7	197
141	Improved Mass Measurements of the Four-Neutron Halo Nucleus ^6He and Improved Mass for the Four-Neutron Halo ^6He .	7.8	86
142	NEUTRINO PROCESSES IN PARTIALLY DEGENERATE NEUTRON MATTER. Astrophysical Journal, 2012, 758, 34.	4.5	29
143	Matter and charge radius of ^6He in the hyperspherical-harmonics approach. Physical Review C, 2012, 86, .	2.9	43
144	Renormalization Group and Fermi Liquid Theory for Many-Nucleon Systems. Lecture Notes in Physics, 2012, , 245-285.	0.7	5

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145	Improved nuclear matter calculations from chiral low-momentum interactions. Physical Review C, 2011, 83, .	2.9	362
146	Partial-wave contributions to pairing in nuclei. Journal of Physics: Conference Series, 2011, 312, 092015.	0.4	0
147	Chiral Two-Body Currents in Nuclei: Gamow-Teller Transitions and Neutrinoless Double-Beta Decay. Physical Review Letters, 2011, 107, 062501.	7.8	160
148	In-Medium Similarity Renormalization Group For Nuclei. Physical Review Letters, 2011, 106, 222502.	7.8	191
149	Three-Body Interactions in Fermi Systems. , 2011, , 141-156.		3
150	Chiral three-nucleon forces and neutron matter. Physical Review C, 2010, 82, .	2.9	312
151	From low-momentum interactions to nuclear structure. Progress in Particle and Nuclear Physics, 2010, 65, 94-147.	14.4	421
152	How should one formulate, extract and interpret \hat{C} -non-observables \hat{C} ™ for nuclei?. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 064005.	3.6	23
153	Is chiral symmetry manifested in nuclear structure?. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 064004.	3.6	1
154	Three-Body Forces and the Limit of Oxygen Isotopes. Physical Review Letters, 2010, 105, 032501.	7.8	364
155	Nucleon-nucleon scattering in a harmonic potential. Physical Review C, 2010, 82, .	2.9	40
156	Partial-wave contributions to pairing in nuclei. Physical Review C, 2010, 81, .	2.9	25
157	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
158	Constraints on Neutron Star Radii Based on Chiral Effective Field Theory Interactions. Physical Review Letters, 2010, 105, 161102.	7.8	293
159	Isospin-symmetry-breaking corrections to superallowed Fermi β decay: Radial excitations. Physical Review C, 2009, 80, .	2.9	47
160	Chiral effective field theory calculations of neutrino processes in dense matter. Physical Review C, 2009, 80, .	2.9	27
161	Spin response of a normal Fermi liquid with noncentral interactions. Physical Review C, 2009, 80, .	2.9	9
162	Finite-Size and Confinement Effects in Spin-Polarized Trapped Fermi Gases. Physical Review Letters, 2009, 102, 255301.	7.8	18

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163	Non-empirical pairing energy functional in nuclear matter and finite nuclei. <i>Physical Review C</i> , 2009, 80, .	2.9	46
164	NON-EMPIRICAL ENERGY DENSITY FUNCTIONAL FOR NUCLEI: THE PAIRING PART. <i>International Journal of Modern Physics E</i> , 2009, 18, 2007-2008.	1.0	1
165	Nuclei and chiral dynamics. <i>Nuclear Physics A</i> , 2009, 827, 161c-170c.	1.5	1
166	Helium halo nuclei from low-momentum interactions. <i>European Physical Journal A</i> , 2009, 42, 553.	2.5	29
167	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
168	Neutron matter at finite temperature. <i>Nuclear Physics A</i> , 2008, 806, 105-116.	1.5	38
169	Unified approach to structure factors and neutrino processes in nucleon matter. <i>Physical Review C</i> , 2008, 78, .	2.9	25
170	Three-nucleon interactions: A frontier in nuclear structure. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	6
171	Influence of light nuclei on neutrino-driven supernova outflows. <i>Physical Review C</i> , 2008, 78, .	2.9	88
172	Block diagonalization using similarity renormalization group flow equations. <i>Physical Review C</i> , 2008, 77, .	2.9	43
173	Isospin-symmetry-breaking corrections to superallowed Fermi β decay: Formalism and schematic models. <i>Physical Review C</i> , 2008, 78, .	2.9	54
174	Comment on "Study of Ca40 with an Importance-Truncated No-Core Shell Model". <i>Physical Review Letters</i> , 2008, 101, 119201; author reply 119202.	7.8	14
175	Modern topics in theoretical nuclear physics. <i>Canadian Journal of Physics</i> , 2007, 85, 219-230.	1.1	2
176	Benchmark calculations for H3, He4, O16, and Ca40 with ab initio coupled-cluster theory. <i>Physical Review C</i> , 2007, 76, .	2.9	83
177	Three-Fermion Problems in Optical Lattices. <i>Physical Review Letters</i> , 2007, 98, 103202.	7.8	21
178	Resonant relativistic corrections and the A problem. <i>Physical Review C</i> , 2007, 76, .	2.9	9
179	Neutrino breakup of A=3 nuclei in supernovae. <i>Physical Review C</i> , 2007, 75, .	2.9	57
180	Coupled-cluster theory for three-body Hamiltonians. <i>Physical Review C</i> , 2007, 76, .	2.9	147

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