Takaharu Otsuka

List of Publications by Year
in descending order

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423 papers	18,745 citations	10979 71 h-index	16164 124 g-index
431 all docs	431 docs citations	431 times ranked	3361 citing authors

#	Article	IF	Citations
1	Evolution of Nuclear Shells due to the Tensor Force. Physical Review Letters, 2005, 95, 232502.	2.9	767
2	Nuclear shell model and interacting bosons. Nuclear Physics A, 1978, 309, 1-33.	0.6	748
3	Magic Numbers in Exotic Nuclei and Spin-Isospin Properties of theNNInteraction. Physical Review Letters, 2001, 87, 082502.	2.9	604
4	Shell model description of interacting bosons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1978, 76, 139-143.	1.5	534
5	New effective interaction forpf-shell nuclei and its implications for the stability of theN=Z=28closed core. Physical Review C, 2004, 69, .	1.1	473
6	Varying shell gap and deformation inNâ¯¼20unstable nuclei studied by the Monte Carlo shell model. Physical Review C, 1999, 60, .	1.1	413
7	Novel Features of Nuclear Forces and Shell Evolution in Exotic Nuclei. Physical Review Letters, 2010, 104, 012501.	2.9	372
8	Three-Body Forces and the Limit of Oxygen Isotopes. Physical Review Letters, 2010, 105, 032501.	2.9	364
9	Shell-model description of neutron-rich pf-shell nuclei with a new effective interaction GXPF 1. European Physical Journal A, 2005, 25, 499-502.	1.0	345
10	New effective interaction for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>f</mml:mi><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="italic">pg</mml:mi><mml:mrow><mml:mn>9</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>-shell nuclei. Physical Review C, 2009, 80, .	1.1	332
11	Effective interaction forpf-shell nuclei. Physical Review C, 2002, 65, .	1.1	328
12	Evidence for a new nuclear â€˜magic numberâ€™ from the level structure of 54Ca. Nature, 2013, 502, 207-210.	13.7	308
13	Monte Carlo shell model for atomic nuclei. Progress in Particle and Nuclear Physics, 2001, 47, 319-400.	5.6	273
14	Collective quadrupole states of Xe, Ba and Ce in the interacting boson model. Nuclear Physics A, 1980, 348, 109-124.	0.6	244
15	Detailed deposition density maps constructed by large-scale soil sampling for gamma-ray emitting radioactive nuclides from the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2015, 139, 308-319.	0.9	244
16	Evolution of shell structure in exotic nuclei. Reviews of Modern Physics, 2020, 92, .	16.4	218
17	Mean Field with Tensor Force and Shell Structure of Exotic Nuclei. Physical Review Letters, 2006, 97, 162501.	2.9	211
18	One-Neutron Removal Measurement Reveals<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="bold">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>24</mml:mn></mml:mmultiscripts></mml:math>as a New Doubly Magic Nucleus. Physical Review Letters, 2009, 102, 152501.	2.9	184

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19	Halo Structure of the Island of Inversion Nucleus<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Ne</mml:mi><mml:mprescripts /><mml:none /><mml:mn>31</mml:mn></mml:mmultiscripts></mml:math>. Physical Review Letters, 2009, 103, 262501.	2.9	182
20	Structure of 52,54Ti and shell closures in neutron-rich nuclei above 48Ca. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 546, 55-62.	1.5	176
21	Quantum Phase Transition in the Shape of Zr isotopes. Physical Review Letters, 2016, 117, 172502.	2.9	165
22	Measurement of the Spin and Magnetic Moment ofMg31: Evidence for a Strongly Deformed Intruder Ground State. Physical Review Letters, 2005, 94, 022501.	2.9	164
23	Structure of theN=Z=28Closed Shell Studied by Monte Carlo Shell Model Calculation. Physical Review Letters, 1998, 81, 1588-1591.	2.9	163
24	Transition Rates between Mixed Symmetry States: First Measurement in94Mo. Physical Review Letters, 1999, 83, 1303-1306.	2.9	156
25	Shape transitions in exotic Si and S isotopes and tensor-force-driven Jahn-Teller effect. Physical Review C, 2012, 86, .	1.1	153
26	Novel shape evolution in exotic Ni isotopes and configuration-dependent shell structure. Physical Review C, 2014, 89, .	1.1	150
27	Onset of intruder ground state in exoticNaisotopes and evolution of theN=20shell gap. Physical Review C, 2004, 70, .	1.1	149
28	Diagonalization of Hamiltonians for Many-Body Systems by Auxiliary Field Quantum Monte Carlo Technique. Physical Review Letters, 1995, 75, 1284-1287.	2.9	145
29	Three-dimensional TDHF calculations for reactions of unstable nuclei. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 1267-1273.	1.4	145
30	Three-body forces and shell structure in calcium isotopes. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 085111.	1.4	132
31	Reduced transition probabilities to the first2+state inTi52,54,56and development of shell closures atN=32,34. Physical Review C, 2005, 71, .	1.1	130
32	Structure of exotic neutron-rich nuclei. Physical Review Letters, 1993, 70, 1385-1388.	2.9	125
33	Tensor interaction contributions to single-particle energies. Physical Review C, 2006, 74, .	1.1	122
34	New-generation Monte Carlo shell model for the K computer era. Progress of Theoretical and Experimental Physics, 2012, 2012, .	1.8	122
35	Gamow-Teller transitions and magnetic properties of nuclei and shell evolution. Physical Review C, 2003, 67, .	1.1	121
36	Vanishing of the shell gap in N = 20 neutron-rich nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 296, 279-284.	1.5	120

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37	Nuclear Shell Model by the Quantum Monte Carlo Diagonalization Method. Physical Review Letters, 1996, 77, 3315-3318.	2.9	120
38	Reduction of the Spin-Orbit Splittings at theN=28Shell Closure. Physical Review Letters, 2006, 97, 092501.	2.9	120
39	78Ni revealed as a doubly magic stronghold against nuclear deformation. Nature, 2019, 569, 53-58.	13.7	120
40	Shell-model study of boron, carbon, nitrogen, and oxygen isotopes with a monopole-based universal interaction. Physical Review C, 2012, 85, .	1.1	118
41	Extreme location of F drip line and disappearance of theN=20magic structure. Physical Review C, 2001, 64, .	1.1	109
42	Characterization of the shape-staggering effect in mercury nuclei. Nature Physics, 2018, 14, 1163-1167.	6.5	106
43	Mean-Field Derivation of the Interacting Boson Model Hamiltonian and Exotic Nuclei. Physical Review Letters, 2008, 101, 142501.	2.9	105
44	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>decays of isotones with neutron magic number of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>126</mml:mn></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi></mml:mi></mml:math>-process nucleosynthesis. Physical Review C, 2012, 85,	1.1	103
45	Direct Evidence for a Two-Neutron Halo Configuration in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Mg</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>37</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>.	2.9	102
46	The role of shell evolution in shape coexistence. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 024009.	1.4	100
47	Systematic study of the mixed ground-state and â€œintruderâ€•bands in 110, 112, 114Cd. Nuclear Physics A, 1993, 551, 269-294.	0.6	98
48	Lowest Excitations inTi56and the PredictedN=34Shell Closure. Physical Review Letters, 2004, 92, 072502.	2.9	97
49	Formulating the interacting boson model by mean-field methods. Physical Review C, 2010, 81, .	1.1	95
50	First Measurement of Collectivity of Coexisting Shapes Based on Type II Shell Evolution: The Case of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Zr</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>96</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2016, 117, 172503.	2.9	95
51	Spectroscopy of the 21+ state in 22O and shell structure near the neutron drip line. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 485, 16-22.	1.5	91
52	Relativistic Coulomb excitation of neutron-rich 54,56,58Cr: On the pathway of magicity from <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/x. Phys	1.5	90
53	Rotational states and interacting bosons. Nuclear Physics A, 1981, 368, 244-284.	0.6	88
54	Neutrino-nucleus reactions based on new shell model Hamiltonians. Physical Review C, 2006, 74, .	1.1	88

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55	Nuclear spins, magnetic moments, and quadrupole moments of Cu isotopes fromN=28toN=46: Probes for core polarization effects. Physical Review C, 2010, 82, .	1.1	86
56	Dominance of Monopole and Quadrupole Pairs in the Nilsson Model. Physical Review Letters, 1982, 48, 387-390.	2.9	83
57	Single-neutron knockout from intermediate energy beams of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>30</mml:mn><mml:mo>,</mml:mo><mml:mn>32</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>Mapping the transition into the â€œIsland of Inversionâ€. Physical Review C, 2009, 79, .	1.1	82
58	Isovector quadrupole excitations in the valence shell of the vibrator nucleus136Ba:Evidence from photon scattering experiments. Physical Review C, 1998, 58, 796-800.	1.1	81
59	Gamow-Teller transitions from11Liand12Be. Physical Review C, 1997, 56, 847-856.	1.1	79
60	Development of shell closures atN=32,34. II. Lowest yrast excitations in even-evenTiisotopes from deep-inelastic heavy-ion collisions. Physical Review C, 2004, 70, .	1.1	79
61	Large Scale Shell Model Study of the Sn Isotopes beyond<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi><mml:mi>Î²</mml:mi></mml:math>Decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ca</mml:mi></mml:mrow><mml:mprescripts	2.9	79
62	Spectroscopy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>36</mml:mn></mml:mmultiscripts></mml:math>: Interplay of Normal and Intruder Configurations at the Neutron-Rich Boundary of the â€œIsland of Inversionâ€. Physical Review Letters, 2007, 99, 072502.	2.9	78
63	Exotic nuclei and nuclear forces. Physica Scripta, 2013, T152, 014007.	1.2	78
64	Direct radiative capture ofp-wave neutrons. Physical Review C, 1995, 52, R2334-R2338.	1.1	77
65	IBM-2 calculations of even-even Pd nuclei. Nuclear Physics A, 1996, 604, 163-182.	0.6	76
66	Development of shell closures atN=32,34. I.Î²decay of neutron-rich Sc isotopes. Physical Review C, 2004, 70, .	1.1	76
67	Benchmarks of the full configuration interaction, Monte Carlo shell model, and no-core full configuration methods. Physical Review C, 2012, 86, .	1.1	75
68	Shape coexistence in doubly-magic56Niby the Monte Carlo shell model. Physical Review C, 1999, 59, R1846-R1850.	1.1	74
69	Na29: Defining the Edge of the Island of Inversion forZ=11. Physical Review Letters, 2005, 94, 162501.	2.9	73
70	Deformation-Driven<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-Wave Halos at the Drip Line:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ne</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>31</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. P	2.9	73
71	Exotic neutron-rich medium-mass nuclei with realistic nuclear forces. Physical Review C, 2017, 95, .	1.1	73
72	Shape coexistence in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mn>68</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2014, 89, .	1.1	71

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73	Fast Electrical Control of Single Electron Spins in Quantum Dots with Vanishing Influence from Nuclear Spins. Physical Review Letters, 2014, 113, 267601.	2.9	70
74	Microscopic Basis of the Proton-Neutron Interacting-Boson Model. Physical Review Letters, 1981, 46, 710-713.	2.9	69
75	Direct evidence for the onset of intruder configurations in neutron-rich Ne isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 640, 86-90.	1.5	68
76	Microscopic Calculations forO(6) Nuclei by the Interacting Boson Model. Progress of Theoretical Physics Supplement, 1996, 125, 97-150.	0.2	67
77	Novel Shape Evolution in Sn Isotopes from Magic Numbers 50 to 82. Physical Review Letters, 2018, 121, 062501.	2.9	67
78	Microscopic formulation of the interacting boson model for rotational nuclei. Physical Review C, 2011, 83, .	1.1	66
79	Distribution of Low-Lying Quadrupole Phonon Strength in Nuclei. Physical Review Letters, 1994, 73, 2962-2965.	2.9	65
80	Neutron halo effect on direct neutron capture and photodisintegration. Physical Review C, 1994, 49, R2289-R2292.	1.1	64
81	Level scheme and mixed-symmetry states of 134Ba from in-beam (n, nâ€²Î³) measurements. Nuclear Physics A, 1992, 548, 249-270.	0.6	63
82	Observation of Low- and High-Energy Gamow-Teller Phonon Excitations in Nuclei. Physical Review Letters, 2014, 112, 112502.	2.9	63
83	Low-lying isovector collective states and the interacting-boson model. Physical Review Letters, 1985, 54, 777-780.	2.9	62
84	Equilateral-Triangular Shape inC14. Physical Review Letters, 2004, 92, 142501.	2.9	62
85	Persistence of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Z</mml:mi><mml:mo>=</mml:mo><mml:mn>28</mml:mn></mml:math> Shell Gap Around <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ni</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>78</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>: F	2.9	62
86	Multiphonon structure of Î³-unstable or O(6) nuclei. Physical Review C, 1994, 50, R1768-R1770.	1.1	59
87	Multiple quadrupole â€œphononâ€•excitations in 130Ba. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 320, 1-6.	1.5	59
88	Nuclear structure studies of high-spin states in 79Rb and 79Kr. Nuclear Physics A, 1982, 389, 424-444.	0.6	57
89	Two-Neutron Halo is Unveiled in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">F</mml:mi></mml:mrow><mml:mprescripts /><mml:none Intruder Configurations in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>A</mml:mi><mml:mo>=</mml:mo><mml:mn>33</mml:mn></mml:math>Isobars:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>33</mml:mn></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Al<	2.9	57
90		2.9	56

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91	Neutron-skin and proton-skin formations in exotic nuclei far from stability. Physical Review C, 1993, 48, 1648-1655.	1.1	55
92	Robust Regularity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>-Soft Nuclei and Its Microscopic Realization. Physical Review Letters, 2012, 108, 132501.	2.9	53
93	Identification of Quadrupole Vortexing Spin-Zero States in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ni</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>66</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> : Emergence of Shape Isomerism in Light Nuclei. Physical Review Letters, 2017, 118, 162502.	2.9	53
94	Î²decay studies of the neutron-rich56â€“58Visotopes. Physical Review C, 2003, 67, .	1.1	52
95	Valence nucleon populations in the Ni isotopes. Physical Review C, 2013, 87, .	1.1	51
96	Evidence of Soft Dipole Resonance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Li</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>11</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>with Isoscalar Character. Physical Review Letters, 2015, 114, 192502.	2.9	51
97	Transition from Spherical to Deformed Shapes of Nuclei in the Monte Carlo Shell Model. Physical Review Letters, 2001, 86, 1171-1174.	2.9	49
98	Search for neutron excitations across theN=20shell gap inNe25â^'29. Physical Review C, 2005, 72, .	1.1	49
99	g factor of the exotic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>21</mml:mn></mml:math> isotope 34Al: probing the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>20</mml:mn></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"	1.5	49
100	Renormalization ofg-Boson Effects in the Interacting-Boson Hamiltonian. Physical Review Letters, 1985, 55, 276-279.	2.9	48
101	Structural evolution in Pt isotopes with the interacting boson model Hamiltonian derived from the Gogny energy density functional. Physical Review C, 2011, 83, .	1.1	48
102	Collective structural evolution in neutron-rich Yb, Hf, W, Os, and Pt isotopes. Physical Review C, 2011, 84, .	1.1	48
103	Evaluation of electron capture reaction rates in Ni isotopes in stellar environments. Physical Review C, 2011, 83, .	1.1	48
104	Quasifree Neutron Knockout from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ca</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>54</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Corroborates Arising <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>34</mml:mn></mml:math> Neutr	2.9	48
105	The impact of nuclear shape on the emergence of the neutron dripline. Nature, 2020, 587, 66-71.	13.7	48
106	Evolution of theE(1/21+)â^'E(3/21+)energy spacing in odd-mass K, Cl, and P isotopes forN=20â^'28. Physical Review C, 2006, 74, .	1.1	46
107	Experimental Study of the Two-Body Spin-Orbit Force in Nuclei. Physical Review Letters, 2014, 112, 042502.	2.9	46
108	Î²-delayed Î³ spectroscopy of neutron richNa27,28,29. Physical Review C, 2006, 73, .	1.1	45

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109	Novel extrapolation method in the Monte Carlo shell model. Physical Review C, 2010, 82, .	1.1	45
110	Shell model analysis of theNi56spectrum in the fullpfmodel space. Physical Review C, 2006, 73, .	1.1	44
111	Spins and Magnetic Moments of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="bold">K</mml:mi><mml:mprescripts /><mml:none /><mml:mn>49</mml:mn></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="bold">K</mml:mi><mml:mprescripts /><mml:none	2.9	44
112	Low-Lying Structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ar</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>50</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>and the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>32</mml:mn></mml:mrow></mml:math>Subshe	2.9	44
113	Shape staggering of midshell mercury isotopes from in-source laser spectroscopy compared with density-functional-theory and Monte Carlo shell-model calculations. Physical Review C, 2019, 99, .	1.1	43
114	Multi-shell effective interactions. Physical Review C, 2014, 89, .	1.1	42
115	Characterization of the low-lying<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>0</mml:mn><mml:msup><mml:mrow /><mml:mo>+</mml:mo></mml:msup></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>2</mml:mn><mml:msup><mml:mrow /><mml:mo>+</mml:mo></mml:msup></mml:math>states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal	1.1	42
116	Equivalence betweenÎ³instability and rigid triaxiality in finite boson systems. Physical Review Letters, 1987, 59, 1541-1544.	2.9	41
117	Nuclear structure in the vicinity ofN=Z=28Ni56. Physical Review C, 2004, 70, .	1.1	41
118	Two-proton knockout fromMg32: Intruder amplitudes inNe30and implications for the binding ofF29,31. Physical Review C, 2010, 81, .	1.1	41
119	Suppression of Charge Equilibration Leading to the Synthesis of Exotic Nuclei. Physical Review Letters, 2010, 104, 252501.	2.9	41
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