Witold Nazarewicz

List of Publications by Year
in descending order

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512 papers	29,725 citations	89 h-index	150 g-index
		3731	7745
517 all docs	517 docs citations	517 times ranked	4394 citing authors

#	Article	IF	Citations
1	Nuclear Charge Radii of the Nickel Isotopes <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>58</mml:mn><mml:mo>â^’</mml:mo><mml:mn>68</mml:mn><mml:mo>,</mml:mo><mml:mn>70</mml:mn> Physical Review Letters, 2022, 128, 022502.	7.8	27
2	Theoretical description of fission yields: Toward a fast and efficient global model. Physical Review C, 2022, 105, .	2.9	9
3	Information content of the differences in the charge radii of mirror nuclei. Physical Review C, 2022, 105, .	2.9	19
4	Universal trend of charge radii of even-even Caâ€“Zn nuclei. Physical Review C, 2022, 105, .	2.9	13
5	Three-dimensional Skyrme Hartree-Fock-Bogoliubov solver in coordinate-space representation. Computer Physics Communications, 2022, 276, 108344.	7.5	3
6	Evidence of Two-Source King Plot Nonlinearity in Spectroscopic Search for New Boson. Physical Review Letters, 2022, 128, 163201.	7.8	16
7	Nudged elastic band approach to nuclear fission pathways. Physical Review C, 2022, 105, .	2.9	3
8	Statistical correlations of nuclear quadrupole deformations and charge radii. Physical Review C, 2022, 106, .	2.9	5
9	Optimization and supervised machine learning methods for fitting numerical physics models without derivatives [*]. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 024001.	3.6	5
10	Microscopic origin of reflection-asymmetric nuclear shapes. Physical Review C, 2021, 103, .	2.9	8
11	A.I. for nuclear physics. European Physical Journal A, 2021, 57, 1.	2.5	30
12	Fermion Pair Dynamics in Open Quantum Systems. Physical Review Letters, 2021, 126, 142501.	7.8	20
13	Nuclear charge densities in spherical and deformed nuclei: Toward precise calculations of charge radii. Physical Review C, 2021, 103, .	2.9	40
14	Get on the BAND Wagon: a Bayesian framework for quantifying model uncertainties in nuclear dynamics. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 072001.	3.6	42
15	Charge radii of exotic potassium isotopes challenge nuclear theory and the magic character of Nâ€‰=â€‰32. Nature Physics, 2021, 17, 439-443.	16.7	79
16	Information Content of the Parity-Violating Asymmetry in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Pb</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>208</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2021, 127, 232501.	7.8	70
17	Precision mass measurement of lightweight self-conjugate nucleus 80Zr. Nature Physics, 2021, 17, 1408-1412.	16.7	10
18	Spectroscopic factors in dripline nuclei. Physical Review C, 2021, 104, .	2.9	12

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19	Gamow-shell-model description of Li isotopes and their mirror partners. Physical Review C, 2020, 102, .	2.9	12
20	Landscape of pear-shaped even-even nuclei. Physical Review C, 2020, 102, .	2.9	55
21	Nucleon localization function in rotating nuclei. Physical Review C, 2020, 102, .	2.9	4
22	Statistical aspects of nuclear mass models. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 094001.	3.6	28
23	Efficient method for estimation of fission fragment yields of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>r</mml:mi></mml:math> -process nuclei. Physical Review C, 2020, 101, .	2.9	16
24	Structural trends in atomic nuclei from laser spectroscopy of tin. Communications Physics, 2020, 3, .	5.3	24
25	Mirror-symmetry violation in bound nuclear ground states. Nature, 2020, 580, 52-55.	27.8	23
26	Beyond the charge radius: The information content of the fourth radial moment. Physical Review C, 2020, 101, .	2.9	33
27	Beyond the proton drip line: Bayesian analysis of proton-emitting nuclei. Physical Review C, 2020, 101, .	2.9	31
28	Convenient Location of a Near-Threshold Proton-Emitting Resonance in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">B</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>11</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2020, 124, 042502.	7.8	27
29	Quantified limits of the nuclear landscape. Physical Review C, 2020, 101, .	2.9	52
30	Measurement and microscopic description of oddâ€“even staggering of charge radii of exotic copper isotopes. Nature Physics, 2020, 16, 620-624.	16.7	76
31	Future of nuclear fission theory. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 113002.	3.6	105
32	White paper: from bound states to the continuum. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 123001.	3.6	38
33	Effective Description of $${ {}}^{5-10}ext {He} $$ and the Search for a Narrow $${{}^{4}ext {n}}$$ Resonance. Springer Proceedings in Physics, 2020, , 361-372.	0.2	0
34	Editorial: RMP: Looking Forward. Reviews of Modern Physics, 2019, 91, .	45.6	0
35	Colloquium : Superheavy elements: Oganesson and beyond. Reviews of Modern Physics, 2019, 91, .	45.6	163
36	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -decay energies of superheavy nuclei: Systematic trends. Physical Review C, 2019, 99, .	2.9	21

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37	Structure and decay of the extremely proton-rich nuclei O11,12. Physical Review C, 2019, 99, .	2.9	23
38	Laser Spectroscopy of Neutron-Rich Tin Isotopes: A Discontinuity in Charge Radii across the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>82</mml:mn></mml:math> Shell Closure. Physical Review Letters, 2019, 122, 192502.	7.8	81
39	Cluster radioactivity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Og</mml:mi><mml:mn>176</mml:mn><mml:mn /><mml:mprescripts /><mml:mn>118</mml:mn><mml:mn>294</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2019, 99, .	2.9	42
40	r-process nucleosynthesis: connecting rare-isotope beam facilities with the cosmos. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 083001.	3.6	115
41	Nuclear physics in Reviews of Modern Physics. Physics Today, 2019, 72, 56-57.	0.3	0
42	First Observation of Unbound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>11</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> , the Mirror of the Halo Nucleus <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	7.8	38
43	Proton superfluidity and charge radii in proton-rich calcium isotopes. Nature Physics, 2019, 15, 432-436.	16.7	88
44	Neutron Drip Line in the Ca Region from Bayesian Model Averaging. Physical Review Letters, 2019, 122, 062502.	7.8	98
45	Observation of the competing fission modes in 178Pt. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 583-588.	4.1	36
46	Electron and Nucleon Localization Functions of Oganesson: Approaching the Thomas-Fermi Limit. Physical Review Letters, 2018, 120, 053001.	7.8	79
47	Energy spectrum of neutron-rich helium isotopes: Complex made simple. Physical Review C, 2018, 98, .	2.9	21
48	Resonant spectra of multipole-bound anions. Physical Review A, 2018, 98, .	2.5	5
49	Bayesian approach to model-based extrapolation of nuclear observables. Physical Review C, 2018, 98, .	2.9	125
50	From Calcium to Cadmium: Testing the Pairing Functional through Charge Radii Measurements of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Cd</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>100</mml:mn><mml:mtext>â^’</mml:mtext><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></	7.8	57
51	Puzzling Two-Proton Decay of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Kr</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>67</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2018, 120, 212502.	7.8	37
52	The limits of nuclear mass and charge. Nature Physics, 2018, 14, 537-541.	16.7	86
53	Probing Sizes and Shapes of Nobelium Isotopes by Laser Spectroscopy. Physical Review Letters, 2018, 120, 232503.	7.8	63
54	White paper on nuclear astrophysics and low-energy nuclear physics, Part 2: Low-energy nuclear physics. Progress in Particle and Nuclear Physics, 2017, 94, 68-124.	14.4	20

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55	CLUSTERING AND PASTA PHASES IN NUCLEAR DENSITY FUNCTIONAL THEORY. , 2017, , 135-153.		0
56	Structure and decays of nuclear three-body systems: The Gamow coupled-channel method in Jacobi coordinates. Physical Review C, 2017, 96, .	2.9	27
57	Central depression in nucleonic densities: Trend analysis in the nuclear density functional theory approach. Physical Review C, 2017, 96, .	2.9	43
58	Continuum effects in neutron-drip-line oxygen isotopes. Physical Review C, 2017, 96, .	2.9	38
59	Cluster formation in precompound nuclei in the time-dependent framework. Physical Review C, 2017, 96, .	2.9	25
60	Search for excited states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>25</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2017, 96, .	2.9	12
61	Quantified Gamow shell model interaction for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mi>s</mml:mi><mml:mi>d</mml:mi -shell nuclei. Physical Review C, 2017, 96, .	2.9	50
62	Prospects for Breakthroughs in Nuclear Theory. , 2017, , .		0
63	Toward a global description of nuclear charge radii: Exploring the Fayans energy density functional. Physical Review C, 2017, 95, .	2.9	80
64	Formation and distribution of fragments in the spontaneous fission of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mrow /><mml:mn mathvariant="bold">240</mml:mn></mml:msup><mml:mi mathvariant="bold">Pu</mml:mi></mml:mrow></mml:math>. Physical Review C, 2017, 96, .	2.9	36
65	Nucleon localization and fragment formation in nuclear fission. Physical Review C, 2016, 94, .	2.9	44
66	Charge Radii of Neutron Deficient<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>52</mml:mn><mml:mo>,</mml:mo><mml:mn>53</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow by Projectile Fragmentation. Physical Review Letters, 2016, 117, 252501.	7.8	42
67	Resonant spectra of quadrupolar anions. Physical Review A, 2016, 94, .	2.5	8
68	Microscopic modeling of mass and charge distributions in the spontaneous fission of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pu</mml:mi><mml:mprescripts /><mml:none /><mml:mn>240</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2016, 93, .	2.9	73
69	Nuclear rotation in the continuum. Physical Review C, 2016, 93, .	2.9	26
70	Nuclear charge and neutron radii and nuclear matter: Trend analysis in Skyrme density-functional-theory approach. Physical Review C, 2016, 93, .	2.9	24
71	Time-dependent density functional theory with twist-averaged boundary conditions. Physical Review C, 2016, 93, .	2.9	26
72	Reply to â€œComment on â€˜<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math>decay in the complex-energy shell model'â€• Physical Review C, 2016, 93, .	2.9	0

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73	Pairing Nambu-Goldstone Modes within Nuclear Density Functional Theory. Physical Review Letters, 2016, 116, 152502.	7.8	24
74	Impact of Nuclear Mass Uncertainties on the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>r</mml:mi></mml:math>Process. Physical Review Letters, 2016, 116, 121101.	7.8	76
75	Single-particle and collective motion in unbound deformed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>39</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2016, 94, .	2.9	21
76	Recoil-Î±-fission and recoil-Î±â€“Î±-fission events observed in the reaction 48Ca + 243Am. Nuclear Physics A, 2016, 953, 117-138.	1.5	48
77	Isospin effects inNâ‰ˆZnuclei in extended density functional theory. Physica Scripta, 2016, 91, 023013.	2.5	11
78	Unexpectedly large charge radii of neutron-rich calcium isotopes. Nature Physics, 2016, 12, 594-598.	16.7	257
79	Challenges in nuclear structure theory. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 044002.	3.6	23
80	Neutron and weak-charge distributions of the 48CaÂnucleus. Nature Physics, 2016, 12, 186-190.	16.7	268
81	Theoretical study of triaxial shapes of neutron-rich Mo and Ru nuclei. Physical Review C, 2015, 92, .	2.9	28
82	Twist-averaged boundary conditions for nuclear pasta Hartree-Fock calculations. Physical Review C, 2015, 92, .	2.9	39
83	Multipole modes in deformed nuclei within the finite amplitude method. Physical Review C, 2015, 92, .	2.9	38
84	Accurate nuclear radii and binding energies from a chiral interaction. Physical Review C, 2015, 91, .	2.9	354
85	Bound and resonance states of the dipolar anion of hydrogen cyanide: Competition between threshold effects and rotation in an open quantum system. Physical Review A, 2015, 91, .	2.5	8
86	Multidimensional Skyrme-density-functional Study of the Spontaneous Fission of ^{238}U. Acta Physica Polonica B, 2015, 46, 575.	0.8	1
87	Enhancing the interaction between nuclear experiment and theory through information and statistics. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 030301.	3.6	37
88	Complex-energy approach to sum rules within nuclear density functional theory. Physical Review C, 2015, 91, .	2.9	18
89	Benchmarking nuclear fission theory. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 077001.	3.6	32
90	Uncertainty Quantification for Nuclear Density Functional Theory and Information Content of New Measurements. Physical Review Letters, 2015, 114, 122501.	7.8	94

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91	Nuclear theory and science of the facility for rare isotope beams. Modern Physics Letters A, 2014, 29, 1430010.	1.2	57
92	Near-threshold Correlations of Neutrons. Acta Physica Polonica B, 2014, 45, 331.	0.8	5
93	Isospin Mixing Within the Symmetry Restored Density Functional Theory and Beyond. Acta Physica Polonica B, 2014, 45, 167.	0.8	8
94	Adaptive multi-resolution 3D Hartree-Fock-Bogoliubov solver for nuclear structure. Physical Review C, 2014, 90, .	2.9	28
95	Isospin-invariant Skyrme energy-density-functional approach with axial symmetry. Physical Review C, 2014, 89, .	2.9	20
96	Nuclear energy density optimization: Shell structure. Physical Review C, 2014, 89, .	2.9	162
97	Nuclear three-body problem in the complex energy plane: Complex-scaling Slater method. Physical Review C, 2014, 89, .	2.9	18
98	Pairing-induced speedup of nuclear spontaneous fission. Physical Review C, 2014, 90, .	2.9	75
99	Symmetry energy in nuclear density functional theory. European Physical Journal A, 2014, 50, 1.	2.5	38
100	Error estimates of theoretical models: a guide. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 074001.	3.6	227
101	Excitation-energy dependence of fission in the mercury region. Physical Review C, 2014, 90, .	2.9	57
102	Structure of superheavy nuclei along decay chains of element 115. Physical Review C, 2014, 90, .	2.9	29
103	Computational nuclear quantum many-body problem: The UNEDF project. Computer Physics Communications, 2013, 184, 2235-2250.	7.5	52
104	Spontaneous fission lifetimes from the minimization of self-consistent collective action. Physical Review C, 2013, 88, .	2.9	65
105	Kerman-Onishi conditions in self-consistent tilted-axis-cranking mean-field calculations. Physical Review C, 2013, 88, .	2.9	12
106	Information content of the weak-charge form factor. Physical Review C, 2013, 88, .	2.9	43
107	Neutron-skin uncertainties of Skyrme energy density functionals. Physical Review C, 2013, 88, .	2.9	48
108	Spontaneous fission modes and lifetimes of superheavy elements in the nuclear density functional theory. Physical Review C, 2013, 87, .	2.9	163

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109	Energy density functional for nuclei and neutron stars. Physical Review C, 2013, 87, .	2.9	89
110	Bound states of dipolar molecules studied with the Berggren expansion method. Physical Review A, 2013, 87, .	2.5	15
111	Third minima in thorium and uranium isotopes in a self-consistent theory. Physical Review C, 2013, 87, .	2.9	51
112	Landscape of Two-Proton Radioactivity. Physical Review Letters, 2013, 110, 222501.	7.8	57
113	Toward understanding the microscopic origin of nuclear clustering. Fortschritte Der Physik, 2013, 61, 66-79.	4.4	46
114	Hartreeâ€”Fockâ€”Bogoliubov Solution of the Pairing Hamiltonian in Finite Nuclei. , 2013, , 40-60.		3
115	Living on the edge of stability, the limits of the nuclear landscape. Physica Scripta, 2013, T152, 014022.	2.5	50
116	Low-energy collective modes of deformed superfluid nuclei within the finite-amplitude method. Physical Review C, 2013, 87, .	2.9	48
117	Information content of the low-energy electric dipole strength: Correlation analysis. Physical Review C, 2013, 87, .	2.9	72
118	Optimized Chiral Nucleon-Nucleon Interaction at Next-to-Next-to-Leading Order. Physical Review Letters, 2013, 110, 192502.	7.8	267
119	MICROSCOPIC DESCRIPTION OF NUCLEAR FISSION: FISSION BARRIER HEIGHTS OF EVEN-EVEN ACTINIDES. , 2013, , .		2
120	Study of spontaneous fission lifetimes using nuclear density functional theory. EPJ Web of Conferences, 2013, 62, 04003.	0.3	0
121	On the Origin of Nuclear Clustering. Progress of Theoretical Physics Supplement, 2012, 196, 230-243.	0.1	52
122	Complex-energy shell model description of alpha decay. , 2012, , .		0
123	Sensitivity of the electric dipole polarizability to the neutron skin thickness in [sup 208]Pb. , 2012, , .		1
124	Self-Consistent Tilted-Axis-Cranking Study of Triaxial Strongly Deformed Bands in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Er</mml:mi><mml:mprescripts /><mml:none /><mml:mn>158</mml:mn></mml:mmultiscripts></mml:math>at Ultrahigh Spin. Physical Review Letters, 2012, 108, 092501.	7.8	19
125	Description of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>158</mml:mn></mml:msup></mml:math>Er at ultrahigh spin in nuclear density functional theory. Physical Review C, 2012, 86, .	2.9	15
126	Electric dipole polarizability and the neutron skin. Physical Review C, 2012, 85, .	2.9	198

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127	Fission modes of mercury isotopes. Physical Review C, 2012, 86, .	2.9	68
128	Asymptotic normalization coefficients and continuum coupling in mirror nuclei. Physical Review C, 2012, 85, .	2.9	28
129	Microscopic nuclear mass table with high-performance computing. Journal of Physics: Conference Series, 2012, 402, 012030.	0.4	6
130	UNEDF:Advanced Scientific Computing Collaboration Transforms the Low-Energy Nuclear Many-Body Problem. Journal of Physics: Conference Series, 2012, 402, 012033.	0.4	6
131	Reflection-asymmetric nuclear deformations within the Density Functional Theory. Journal of Physics: Conference Series, 2012, 402, 012034.	0.4	3
132	Nuclear energy density optimization: Large deformations. Physical Review C, 2012, 85, .	2.9	316
133	Isospin-breaking corrections to superallowed Fermi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>decay in isospin- and angular-momentum-projected nuclear density functional theory. Physical Review C, 2012, 86, .	2.9	45
134	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>decay in the complex-energy shell model. Physical Review C, 2012, 86, .	2.9	46
135	Coordinate-Space Hartree-Fock-Bogoliubov Solvers for Super fluid Fermi Systems in Large Boxes. Journal of Physics: Conference Series, 2012, 402, 012035.	0.4	9
136	The limits of the nuclear landscape. Nature, 2012, 486, 509-512.	27.8	363
137	Monopole strength function of deformed superfluid nuclei. Physical Review C, 2011, 84, .	2.9	54
138	Microscopic Calculations of Isospin-Breaking Corrections to Superallowed Beta Decay. Physical Review Letters, 2011, 106, 132502.	7.8	54
139	Surface symmetry energy of nuclear energy density functionals. Physical Review C, 2011, 83, .	2.9	94
140	ISOL science at the Holifield Radioactive Ion Beam Facility. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 024002.	3.6	85
141	Quadrupole collective inertia in nuclear fission: Cranking approximation. Physical Review C, 2011, 84, .	2.9	66
142	Quasiparticle continuum and resonances in the Hartree-Fock-Bogoliubov theory. Physical Review C, 2011, 84, .	2.9	41
143	Charge radii and neutron correlations in helium halo nuclei. Physical Review C, 2011, 84, .	2.9	55
144	FISSION HALF LIVES OF FERMIUM ISOTOPES WITHIN SKYRME HARTREE-FOCK-BOGOLIUBOV THEORY. International Journal of Modern Physics E, 2011, 20, 557-564.	1.0	8

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145	ISOSPIN MIXING IN THE VICINITY OF THE N = Z LINE. International Journal of Modern Physics E, 2011, 20, 244-251.	1.0	8
146	BREAKING OF AXIAL AND REFLECTION SYMMETRIES IN SPONTANEOUS FISSION OF FERMIUM ISOTOPES. International Journal of Modern Physics E, 2011, 20, 552-556.	1.0	12
147	Title is missing!. Acta Physica Polonica B, 2011, 42, 415.	0.8	7
148	Radioactive Ion Beam Production Capabilities At The Holifield Radioactive Ion Beam Facility. AIP Conference Proceedings, 2011, , .	0.4	4
149	Augmented Lagrangian method for constrained nuclear density functional theory. European Physical Journal A, 2010, 46, 85-90.	2.5	62
150	Competition between normal superfluidity and Larkin-Ovchinnikov phases of polarized Fermi gases in elongated traps. Physical Review A, 2010, 82, .	2.5	15
151	Fission barriers and neutron gas in compound superheavy nuclei. Nuclear Physics A, 2010, 834, 381c-383c.	1.5	12
152	Open problems in the theory of nuclear open quantum systems. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 064042.	3.6	37
153	Isospin mixing and the continuum coupling in weakly bound nuclei. Physical Review C, 2010, 82, .	2.9	50
154	Isospin-symmetry restoration within the nuclear density functional theory: Formalism and applications. Physical Review C, 2010, 81, .	2.9	33
155	Orbital Dependent Nucleonic Pairing in the Lightest Known Isotopes of Tin. Physical Review Letters, 2010, 105, 162502.	7.8	98
156	Natural units for nuclear energy density functional theory. Physical Review C, 2010, 82, .	2.9	16
157	Information content of a new observable: The case of the nuclear neutron skin. Physical Review C, 2010, 81, .	2.9	298
158	SPATIAL SYMMETRIES OF THE LOCAL DENSITIES. International Journal of Modern Physics E, 2010, 19, 640-651.	1.0	2
159	Designer Nuclei â€" Making Atoms that Barely Exist. Physics Teacher, 2010, 48, 381-385.	0.3	2
160	Nuclear energy density optimization. Physical Review C, 2010, 82, .	2.9	385
161	Pairing Reentrance Phenomenon in Heated Rotating Nuclei in the Shell-Model MonteÂCarlo Approach. Physical Review Letters, 2010, 105, 212504.	7.8	18
162	One-quasiparticle states in the nuclear energy density functional theory. Physical Review C, 2010, 81, .	2.9	140

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