Jerzy Dudek

List of Publications by Year
in descending order

197	8,212	57758	49909
papers	citations	44 h-index	87 g-index

199	199	199	1597
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microscopic study of the high-spin behaviour in selected A â‰ƒ 80 nuclei. Nuclear Physics A, 1985, 435, 397-447.	1.5	753
2	Single-particle energies, wave functions, quadrupole moments and g-factors in an axially deformed woods-saxon potential with applications to the two-centre-type nuclear problems. Computer Physics Communications, 1987, 46, 379-399.	7.5	697
3	Nuclear shell structure at very high angular momentum. Nuclear Physics A, 1976, 268, 205-256.	1.5	504
4	Nuclear liquid-drop model and surface-curvature effects. Physical Review C, 2003, 67, .	2.9	358
5	Analysis of octupole instability in medium-mass and heavy nuclei. Nuclear Physics A, 1984, 429, 269-295.	1.5	316
6	Abundance and systematics of nuclear superdeformed states; relation to the pseudospin and pseudo-SU(3) symmetries. Physical Review Letters, 1987, 59, 1405-1408.	7.8	284
7	High-spin phenomena in atomic nuclei. Reviews of Modern Physics, 1983, 55, 949-1046.	45.6	236
8	Woods-Saxon potential parameters optimized to the high spin spectra in the lead region. Physical Review C, 1981, 23, 920-925.	2.9	170
9	Octupole shapes and shape changes at high spins in Ra and Th nuclei. Nuclear Physics A, 1987, 467, 437-460.	1.5	161
10	Shape coexistence and shape transitions in even-even Pt and Hg isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 183, 1-6.	4.1	160
11	Time-odd components in the mean field of rotating superdeformed nuclei. Physical Review C, 1995, 52, 1827-1839.	2.9	157
12	Low-energy collective E1 mode in nuclei. Nuclear Physics A, 1986, 453, 58-76.	1.5	143
13	Critical Frequency in Nuclear Chiral Rotation. Physical Review Letters, 2004, 93, 052501.	7.8	119
14	A new region of intrinsic reflection asymmetry in nuclei around 145Ba?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 152, 284-290.	4.1	113
15	Nuclear Tetrahedral Symmetry: Possibly Present throughout the Periodic Table. Physical Review Letters, 2002, 88, 252502.	7.8	111
16	Shape evolution in the transitional gadolinium, dysprosium, erbium, and ytterbium nuclei. Physical Review C, 1985, 31, 298-301.	2.9	107
17	New parameters of the deformed Woods-Saxon potential for A=110-210 nuclei. Journal of Physics G: Nuclear Physics, 1978, 4, 1543-1561.	0.8	101
18	Fission barriers of transfermium elements. Nuclear Physics A, 1983, 410, 254-270.	1.5	101

#	Article	IF	Citations
19	High-Spin Consequences of Octupole Shape in Nuclei aroundTh222. Physical Review Letters, 1984, 52, 1272-1275.	7.8	100
20	Parameters of the deformed Woods-Saxon potential outside A=110-210 nuclei. Journal of Physics G: Nuclear Physics, 1979, 5, 1359-1381.	0.8	96
21			

#	Article	IF	Citations
37	Discussion of the improved parametrisation of the Woods-Saxon potential for deformed nuclei. Nuclear Physics A, 1980, 341, 253-268.	1.5	50
38	Shape Coexistence Effects of Super- and Hyperdeformed Configurations in Rotating Nuclei II. Nuclei with 42 â‰¤ Z â‰¤ 56 and 74 â‰¤ Z â‰¤ 92. Atomic Data and Nuclear Data Tables, 1995, 59, 1-181.	2.4	50
39	On the shape consistency in the deformed shell-model approach. Nuclear Physics A, 1984, 420, 285-296.	1.5	49
40	Point symmetries in the Hartree-Fock approach.â€‚â€‚I. Densities, shapes, and currents. Physical Review C, 2000, 62, .	2.9	48
41	Deformed atomic nuclei with degeneracies of the nucleonic levels higher than 2. Physical Review C, 1994, 49, R1250-R1252.	2.9	47
42	Band Termination at Very High Spin inYb158. Physical Review Letters, 1985, 54, 982-985.	7.8	44
43	Solution of the Skyrmeâ€“Hartreeâ€“Fock equations in the Cartesian deformed harmonic-oscillator basis. (III) HFODD (v1.75r): a new version of the program. Computer Physics Communications, 2000, 131, 164-186.	7.5	44
44	Tetrahedral symmetry in ground and low-lying states of exoticAâ‰ˆ110nuclei. Physical Review C, 2004, 69, .	2.9	44
45	Microscopic analysis of the double backbending in the nucleus 160Yb. Nuclear Physics A, 1980, 333, 139-156.	1.5	43
46	High-spin structure in 169W and 170W. Nuclear Physics A, 1985, 440, 366-396.	1.5	43
47	Search for correlations between prolate-shape collective and oblate-shape non-collective nuclear rotation: High-spin states in 159,160Yb. Nuclear Physics A, 1987, 474, 193-218.	1.5	43
48	Prediction of octupole-deformation effects in superdeformed nuclei of Aâ‰ˆ150 and Aâ‰ˆ190 mass regions and possible interrelation with pseudo-spin symmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 248, 235-242.	4.1	43
49	Solution of the Skyrme-Hartreeâ€“Fockâ€“Bogolyubovequations in the Cartesian deformed harmonic-oscillator basis. (VIII) hfodd (v2.73y): A new version of the program. Computer Physics Communications, 2017, 216, 145-174.	7.5	43
50	Pairing, temperature, and deformed-shell effects on the properties of superdeformedDy152nucleus. Physical Review C, 1988, 38, 940-952.	2.9	42
51	Evidence for the Jacobi shape transition in hot46Ti. Nuclear Physics A, 2004, 731, 319-326.	1.5	40
52	Single-particle levels in the doubly magicSn132andSn100nuclei. Physical Review C, 1984, 30, 416-419.	2.9	39
53	Superdeformed bands in32Sand neighboring nuclei predicted within the Hartree-Fock method. Physical Review C, 2000, 61, .	2.9	39
54	Study of band structures and crossings in 180Os. Nuclear Physics A, 1988, 476, 545-588.	1.5	37

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55	Disappearance of pairing correlations in a rotating nucleus and the role of particle-number projection discussed within a solvable model. Nuclear Physics A, 1985, 436, 139-164.	1.5	35
56	Deformation Dependence of Single Quasiproton States in177Re. Physica Scripta, 1986, 34, 710-716.	2.5	34
57	Persisting domination of the octupole over the quadrupole degrees of freedom and the new type of transitional nuclei: High-spin behavior ofRa218. Physical Review Letters, 1989, 63, 2645-2648.	7.8	33
58	Hyperdeformed and megadeformed nuclei. European Physical Journal A, 2003, 20, 15-29.	2.5	33
59	Ultrahigh-Resolution <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>-Ray Spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Gd</mml:mi><mml:mprescripts /><mml:none /><mml:mn>156</mml:mn></mml:mmultiscripts></mml:math>: A Test of Tetrahedral Symmetry. Physical Review Letters, 2010, 104, 222502.	7.8	33
60	Search for the yrast traps in neutron deficient rare earth nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1977, 70, 9-13.	4.1	32
61	Physics opportunities with the Advanced Gamma Tracking Array: AGATA. European Physical Journal A, 2020, 56, 1.	2.5	32
62	Particle-hole structure of nuclear isomers at high angular momenta. Nuclear Physics A, 1979, 315, 269-290.	1.5	31
63	Theoretical analysis of the single-particle states in the secondary minima of fissioning nuclei. Nuclear Physics A, 1984, 412, 61-91.	1.5	29
64	Point symmetries in the Hartree-Fock approach.â€‚â€‚II. Symmetry-breaking schemes. Physical Review C, 2000, 62, .	2.9	29
65	NUCLEI WITH TETRAHEDRAL SYMMETRY. International Journal of Modern Physics E, 2007, 16, 516-532.	1.0	29
66	A comparative study of superdeformation in 146,147,148Gd. Possible manifestations of the pseudo-SU3 symmetry, octupole shape susceptibility and superdeformed deep-hole excitations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 254, 308-314.	4.1	28
67	Search for Collective Effects in Very High Spin States ofDy152. Physical Review Letters, 1982, 48, 1534-1537.	7.8	27
68	Observation of Excited Superdeformed Bands in132Ceand Evidence for Identical Bands in the Mass 130 Region. Physical Review Letters, 1995, 74, 1708-1711.	7.8	27
69	Microscopic study of tetrahedrally symmetric nuclei by an angular-momentum and parity projection method. Physical Review C, 2013, 87, .	2.9	26
70	Microscopic study of aC4-symmetry hypothesis inAâˆ¼150 superdeformed nuclei: Deformed Woods-Saxon mean field. Physical Review C, 1995, 52, 2989-3001.	2.9	25
71	Tetrahedral symmetry in Zr nuclei: calculations of low-energy excitations with Gogny interaction. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 015106.	3.6	24
72	Second backbending in the yrast line of 156Er. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 102, 235-238.	4.1	23

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73	Probing nuclear shapes close to the fission limit with the giant dipole resonance inRn216. Physical Review C, 2004, 70, .	2.9	23
74	Nuclear hyperdeformation and the Jacobi shape transition. Physical Review C, 2007, 75, .	2.9	23
75	New isomer found inSb8951140: Sphericity and shell evolution betweenN=82andN=90. Physical Review C, 2016, 93, .	2.9	23
76	FISSION BARRIERS WITHIN THE LIQUID DROP MODEL WITH THE SURFACE-CURVATURE TERM. International Journal of Modern Physics E, 2004, 13, 107-112.	1.0	22
77	Fluctuation effects in the pairing field of rapidly rotating nuclei. Annals of Physics, 1988, 182, 237-279.	2.8	21
78	High-Spin Consequences of Octupole Shape in Nuclei aroundTh222. Physical Review Letters, 1984, 53, 2060-2060.	7.8	20
79	Isomer studies in the vicinity of the doubly-magic nucleus 100Sn: Observation of a new low-lying isomeric state in 97Ag. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135200.	4.1	20
80	High spin states inKr75: Approaching superdeformation in theA=80region. Physical Review C, 1989, 40, 2672-2679.	2.9	18
81	Nuclear superdeformation at high spins. Progress in Particle and Nuclear Physics, 1992, 28, 131-185.	14.4	18
82	Spectroscopic criteria for identification of nuclear tetrahedral and octahedral symmetries: Illustration on a rare earth nucleus. Physical Review C, 2018, 97, .	2.9	18
83	Mass Measurements of Neutron-Deficient Yb Isotopes and Nuclear Structure at the Extreme Proton-Rich Side of 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>82</mml:mn></mml:mrow></mml:math> Shell. Physical Review Letters, 2021, 127, 112501.	7.8	18
84	High-spin rotational bands and pairing reduction in 166Hf. Nuclear Physics A, 1983, 399, 199-210.	1.5	17
85	High-spin studies of172,173Os: Complex alignment mechanism. Physical Review C, 1989, 40, 725-741.	2.9	17
86	Symmetries of the nuclear average field hamiltonian and a search for possible exotic equilibrium deformations in superdeformed nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 271, 281-289.	4.1	17
87	Mean square radii of nuclei calculated with the Woods-Saxon potential. Physical Review C, 1995, 51, 601-605.	2.9	17
88	High-spin states in215Fr. Journal of Physics G: Nuclear Physics, 1984, 10, 1201-1218.	0.8	16
89	High-spin structure in154Er. Zeitschrift FÃ¼r Physik A, 1984, 319, 119-132.	1.4	16
90	Mean-field theory of nuclear stability and exotic point-group symmetries. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 064032.	3.6	16

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91	Systematically too low values of the cranking model collective inertia parameters. Zeitschrift FÃ¼r Physik A, 1980, 294, 341-350.	1.4	15
92	Delayed second band crossing in 170W. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 122, 207-210.	4.1	15
93	Giant dipole resonance built on hot rotating nuclei produced during evaporation of light particles from theMo88compound nucleus. Physical Review C, 2015, 91, .	2.9	15
94	High-spin states in155Er. Physical Review C, 2001, 64, .	2.9	14
95	T=0neutron-proton pairing correlations in the superdeformed rotational bands around60Zn. Physical Review C, 2003, 67, .	2.9	14
96	SYMMETRIES IN THE INTRINSIC NUCLEAR FRAMES. International Journal of Modern Physics E, 2011, 20, 199-206.	1.0	14
97	Discussion of the back-bending effect in nuclei within the hartree-fock-bogolyubov method. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1978, 76, 263-266.	4.1	13
98	Possible existence of backbending in actinide nuclei. Physical Review C, 1982, 26, 1708-1711.	2.9	13
99	Possible superdeformed states in rare earth nuclei studied using the Nilsson and Woods-Saxon potentials. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 112, 1-4.	4.1	13
100	High-spin states in 154Er and parallel proton- and neutron-core breaking. Nuclear Physics A, 1989, 496, 385-402.	1.5	13
101	Charged particle feeding of hyperdeformed nuclei in the A=118â€“126 region. Physica Scripta, 2006, T125, 108-114.	2.5	13
102	Nuclear Hamiltonians: the question of their spectral predictive power and the associated inverse problem. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 064031.	3.6	13
103	TETRAHEDRAL SYMMETRY IN NUCLEI: NEW PREDICTIONS BASED ON THE COLLECTIVE MODEL. International Journal of Modern Physics E, 2011, 20, 500-506.	1.0	13
104	Predictive power and theoretical uncertainties of mathematical modelling for nuclear physics. Physica Scripta, 2013, T154, 014002.	2.5	13
105	Exotic toroidal and superdeformed configurations in light atomic nuclei: Predictions using a mean-field Hamiltonian without parametric correlations. Physical Review C, 2021, 103, .	2.9	13
106	Dependence of electric properties of Pb(ZrxTi1-x)O3 solid solutions on their composition. Ferroelectrics, 1978, 18, 161-164.	0.6	12
107	Shape coexistence, evolution and the parallel proton-neutron core breaking in 15568Er87 studied with the help of the BaF2 4Ï€-detection system. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 192, 49-54.	4.1	12
108	Testing the parameters of the â€˜â€˜universalâ€™â€™ Woods-Saxon potential with B(E2;01+â†’21+) values and nucleon separation energies. Physical Review C, 1989, 40, 2282-2293.	2.9	12

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109	A numerical calculation of multidimensional integrals. Computer Physics Communications, 1978, 14, 299-309.	7.5	11
110	Kinematical and Dynamical Moments of Inertia and the Mottelson-Valatin Effect at High Spin Excitations. Physica Scripta, 1983, T5, 171-174.	2.5	11
111	High spin and shape coexistence inSe73. Physical Review C, 1991, 44, 668-675.	2.9	11
112	Extended investigation of superdeformed bands inTb151,152nuclei. Physical Review C, 2008, 77, .	2.9	11
113	Spectroscopic information about a hypothetical tetrahedral configuration in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Gd</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>156</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2010, 82, .	2.9	11
114	Exotic shape symmetries around the fourfold octupole magic number <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>136</mml: : Formulation of experimental identification criteria. Physical Review C, 2022, 105, .	2.9	11
115	Analysis of the backbending effect inYb166,Yb168, andYb170within the Hartree-Fock-Bogolyubov cranking method. Physical Review C, 1980, 21, 448-452.	2.9	10
116	Pairing correlations in the superdeformed rotational bands: The frequency-deformation scaling. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 196, 404-408.	4.1	10
117	Excited superdeformed band inSm142identical toGd146. Physical Review C, 1995, 52, R2293-R2297.	2.9	10
118	Microscopic study of superdeformed rotational bands in 151Tb. Nuclear Physics A, 2000, 676, 155-195.	1.5	10
119	Nuclear tetrahedral states and high-spin states studied using the quantum number projection method. Physica Scripta, 2014, 89, 054013.	2.5	10
120	Nuclear Jacobi and PoincarÃ© transitions at high spins and temperatures: Account of dynamic effects and large-amplitude motion. Physical Review C, 2015, 91, .	2.9	10
121	Investigation of negative-parity states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Dy</mml:mi><mml:mprescripts /><mml:none /><mml:mn>156</mml:mn></mml:mmultiscripts></mml:math> : Search for evidence of tetrahedral symmetry. Physical Review C, 2017, 95, .	2.9	9
122	Nucleon binding in nuclei at high angular momentum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1977, 72, 149-151.	4.1	8
123	Independent Quasiparticle Analysis of Rotational Bands in156Er. Physica Scripta, 1981, 24, 309-311.	2.5	8
124	Multipolarity of quasicontinuum Î³-rays from collective high-spin states in 152Dy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 183, 277-281.	4.1	8
125	Superdeformation in the quasicontinuum: Microscopic view of the excited superdeformed bands and the corresponding level densities. Physical Review C, 1991, 44, R948-R951.	2.9	8
126	Transition quadrupole moments of high-spin states in 172Os. Nuclear Physics A, 1995, 591, 145-160.	1.5	8

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127	QUANTUM ROTATIONAL SPECTRA AND CLASSICAL ROTORS. International Journal of Modern Physics E, 2004, 13, 127-132.	1.0	8
128	NUCLEAR TETRAHEDRAL SYMMETRY. International Journal of Modern Physics E, 2004, 13, 213-216.	1.0	8
129	COMPETITION BETWEEN AXIAL AND NON-AXIAL OCTUPOLE DEFORMATIONS IN HEAVY NUCLEI. International Journal of Modern Physics E, 2004, 13, 117-121.	1.0	8
130	THE PARTICLE CONSERVING SHELL CORRECTION METHOD AND THE NUCLEAR ZERO-POINT MOTION. International Journal of Modern Physics E, 2005, 14, 499-503.	1.0	8
131	Deformation Effects in Hot Rotating 46Ti Probed by the Charged Particle Emission and GDR Î³-Decay. Nuclear Physics A, 2007, 788, 224-230.	1.5	8
132	SHAPE EVOLUTION AT HIGH SPINS AND TEMPERATURES: NUCLEAR JACOBI AND POINCARE TRANSITIONS. International Journal of Modern Physics E, 2010, 19, 532-540.	1.0	8
133	Exotic Geometrical Symmetries in Nuclei: From Group Theory to Experiments. Acta Physica Polonica B, 2013, 44, 305.	0.8	8
134	The suggested presence of tetrahedral symmetry in the ground-state configuration of the $_{40}^{96}ext{Zr}_{56}^{{}}$ nucleus. Physica Scripta, 2014, 89, 054007.	2.5	8
135	Search for superdeformation effects inGd144. Physical Review C, 1986, 33, 2007-2016.	2.9	7
136	Tetrahedral symmetry in nuclei: Search for its fingerprints in the Actinide and Rare-Earth regions. Journal of Physics: Conference Series, 2010, 205, 012034.	0.4	7
137	Statistical significance of theoretical predictions: A new dimension in nuclear structure theories (II). Journal of Physics: Conference Series, 2011, 267, 012063.	0.4	7
138	Propagation of the nuclear mean-field uncertainties with increasing distance from the parameter adjustment zone: Applications to superheavy nuclei. Physical Review C, 2019, 99, .	2.9	7
139	Superdeformed bands in 64147Gd83, a possible test of the existence of octupole correlations in superdeformed bands. Nuclear Physics A, 1990, 520, c195-c200.	1.5	6
140	Hyperdeformed Shapes and Jacobi Transitions in 126Ba. AIP Conference Proceedings, 2004, , .	0.4	6
141	SEARCH FOR THE TRI-AXIAL HEXADECAPOLE-DEFORMATION EFFECTS IN TRANS-ACTINIDAE NUCLEI. International Journal of Modern Physics E, 2005, 14, 383-388.	1.0	6
142	TENSOR FORMALISM FOR ROTATIONAL AND VIBRATIONAL NUCLEAR MOTIONS WITH DISCRETE SYMMETRIES: ROTATIONAL TERMS. International Journal of Modern Physics E, 2008, 17, 272-275.	1.0	6
143	MODELING THE ELECTROMAGNETIC TRANSITIONS IN TETRAHEDRAL-SYMMETRIC NUCLEI. International Journal of Modern Physics E, 2010, 19, 621-632.	1.0	6
144	NUCLEAR MEAN-FIELD HAMILTONIANS AND FACTORS LIMITING THEIR PREDICTIVE POWER. International Journal of Modern Physics E, 2010, 19, 652-664.	1.0	6

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145	Statistical significance of theoretical predictions: A new dimension in nuclear structure theories (I). Journal of Physics: Conference Series, 2011, 267, 012062.	0.4	6
146	Predictive power of theoretical modelling of the nuclear mean field: examples of improving predictive capacities. Physica Scripta, 2018, 93, 044003.	2.5	6
147	The microscopic approach to calculations of nuclear fission probability. Nuclear Physics A, 1973, 203, 121-132.	1.5	5
148	Non-Axial Octupole Deformations and Tetrahedral Symmetry in Heavy Nuclei. AIP Conference Proceedings, 2005, , .	0.4	5
149	ROTATION OF TETRAHEDRAL NUCLEI IN THE CRANKING MODEL. International Journal of Modern Physics E, 2006, 15, 490-494.	1.0	5
150	NUCLEAR MEAN-FIELD HAMILTONIANS AND FACTORS LIMITING THEIR SPECTROSCOPIC PREDICTIVE POWER: ILLUSTRATIONS. International Journal of Modern Physics E, 2010, 19, 665-671.	1.0	5
151	Mapping the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>40</mml:mn island of inversion: Precision mass measurements of neutron-rich Fe isotopes. Physical Review C, 2022, 105, .	2.9	5
152	Calculations of the nuclear equilibrium deformations and moments using a consistency condition for the macroscopic and microscopic parts of the Strutinsky energy formula. Journal of Physics G: Nuclear Physics, 1980, 6, 1521-1534.	0.8	4
153	Long-lived high spin states in156Er: Signature for a prolate-to-oblate shape transition. Zeitschrift FÃ¼r Physik A, 1985, 320, 699-700.	1.4	4
154	Dependence of the first saddle-point energy on temperature and spin in superdeformed rare-earth nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 213, 120-124.	4.1	4
155	A new realisation of the realistic average field approach with density-dependent spin-orbit term. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 267, 431-437.	4.1	4
156	Search for the Jacobi shape transition in light nuclei. European Physical Journal A, 2003, 20, 165-166.	2.5	4
157	EXOTIC NUCLEAR SHAPES: TODAY AND TOMORROW. International Journal of Modern Physics E, 2005, 14, 389-394.	1.0	4
158	OPTIMIZED DESCRIPTION OF NUCLEAR SHAPES AND SYMMETRIES. International Journal of Modern Physics E, 2007, 16, 541-551.	1.0	4
159	INFLUENCE OF THE LEVEL DENSITY PARAMETRIZATION ON THE EFFECTIVE GDR WIDTH AT HIGH SPINS. International Journal of Modern Physics E, 2008, 17, 132-137.	1.0	4
160	COLLECTIVE HAMILTONIANS WITH TETRAHEDRAL SYMMETRY: FORMALISM AND GENERAL FEATURES. International Journal of Modern Physics E, 2009, 18, 1028-1035.	1.0	4
161	Efficient Method for Quantum Number Projection and Its Application to Tetrahedral Nuclear States. Progress of Theoretical Physics Supplement, 2012, 196, 334-339.	0.1	4
162	Current voltage characteristics for some ferroelectric materials of perovskite type. Ferroelectrics, 1973, 6, 115-117.	0.6	3

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163	Title is missing!. Acta Physica Polonica B, 2011, 42, 471.	0.8	3
164	NUCLEAR PHYSICS HAMILTONIANS, INVERSE PROBLEM AND THE RELATED ISSUE OF PREDICTIVE POWER. International Journal of Modern Physics E, 2012, 21, 1250053.	1.0	3
165	The negative parity bands in156Gd. Physica Scripta, 2014, 89, 054017.	2.5	3
166	New approach to the adiabaticity concepts in the collective nuclear motion: Impact for the collective-inertia tensor and comparisons with experiment. Physical Review C, 2019, 99, .	2.9	3
167	Spectroscopy of a tetrahedral doubly magic candidate nucleus ${}_{70}^{160}{mathrm{Yb}}_{90}$. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 055102.	3.6	3
168	Thermoelectric effects in the system metalâ€“PbTiO3â€“metal. Physica Status Solidi A, 1971, 5, 237-245.	1.7	2
169	Effect of the deformation-dependent inertial parameter on the penetration of the double potential barrier in fissioning nuclei. Nuclear Physics A, 1972, 194, 552-560.	1.5	2
170	Reflection asymmetry in the calculations of nuclear mass parameters in terms of the modified oscillator model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1976, 64, 17-20.	4.1	2
171	Neutron-induced fission of lead isotopes. Journal of Physics G: Nuclear Physics, 1979, 5, 1001-1017.	0.8	2
172	THE PROBLEM OF UNIVERSALITY OF NUCLEAR MEAN-FIELD PARAMETRIZATIONS. International Journal of Modern Physics E, 2005, 14, 493-498.	1.0	2
173	Nuclear hyper-deformation and the Jacobi shape transition. Physica Scripta, 2006, T125, 218-219.	2.5	2
174	NUCLEAR ROTATIONAL-BAND INTERACTION-MECHANISM REVISITED. International Journal of Modern Physics E, 2010, 19, 633-639.	1.0	2
175	ON A SELECTION RULE FOR ELECTRIC TRANSITIONS IN AXIALLY-SYMMETRIC NUCLEI. International Journal of Modern Physics E, 2010, 19, 685-691.	1.0	2
176	Measurement of light charged particles in the decay channels of medium-mass excited compound nuclei. EPJ Web of Conferences, 2014, 66, 03090.	0.3	2
177	First-order Coriolis-coupling for the rotational spectrum of a tetrahedrally deformed core plus one-particle system. Physical Review C, 2018, 98, .	2.9	2
178	Narrowing the Confidence Intervals in Nuclear Structure Predictions Through Elimination of Parametric Correlations. Acta Physica Polonica B, Proceedings Supplement, 2017, 10, 51.	0.1	2
179	Comment on the finite difference schemes for the time-dependent Schrï¿½dinger equation. Zeitschrift FÃ¼r Physik A, 1979, 292, 205-210.	1.4	1
180	Correlation between quantized-alignment and identical-band mechanisms. Physical Review C, 1994, 49, R1246-R1249.	2.9	1

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