

# Jerzy Dudek

## List of Publications by Year in descending order

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docs citations

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times ranked

1658  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exotic shape symmetries around the fourfold octupole magic number $N=136$ : Formulation of experimental identification criteria. Physical Review C, 2022, 105, .	1.1	5
2	Mapping the island of inversion: Precision mass measurements of neutron-rich Fe isotopes. Physical Review C, 2022, 105, .	1.1	5
3	Exotic toroidal and superdeformed configurations in light atomic nuclei: Predictions using a mean-field Hamiltonian without parametric correlations. Physical Review C, 2021, 103, .	1.1	13
4	Mass Measurements of Neutron-Deficient Yb Isotopes and Nuclear Structure at the Extreme Proton-Rich Side of the $N=82$ Shell. Physical Review Letters, 2021, 127, 112501.	2.9	18
5	Isomer studies in the vicinity of the doubly-magic nucleus $^{100}\text{Sn}$ : Observation of a new low-lying isomeric state in $^{97}\text{Ag}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135200.	1.5	20
6	Physics opportunities with the Advanced Gamma Tracking Array: AGATA. European Physical Journal A, 2020, 56, 1.	1.0	32
7	Propagation of the nuclear mean-field uncertainties with increasing distance from the parameter adjustment zone: Applications to superheavy nuclei. Physical Review C, 2019, 99, .	1.1	7
8	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, .	1.1	3
9	Spectroscopy of a tetrahedral doubly magic candidate nucleus $^{160}_{90}\text{Yb}$ . Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 055102.	1.4	3
10	Systematic Search For Evidence of Tetrahedral and Octahedral Symmetries in Subatomic Physics: Follow-up of the First Identification Case in $^{152}\text{Sm}$ . EPJ Web of Conferences, 2019, 223, 01014.	0.1	0
11	Predictive power of theoretical modelling of the nuclear mean field: examples of improving predictive capacities. Physica Scripta, 2018, 93, 044003.	1.2	6
12	Spectroscopic criteria for identification of nuclear tetrahedral and octahedral symmetries: Illustration on a rare earth nucleus. Physical Review C, 2018, 97, .	1.1	18
13	First-order Coriolis-coupling for the rotational spectrum of a tetrahedrally deformed core plus one-particle system. Physical Review C, 2018, 98, .	1.1	2
14	Solution of the Skyrme-Hartree-Fock-Bogolyubov equations in the Cartesian deformed harmonic-oscillator basis. (VIII) hfodd (v2.73y): A new version of the program. Computer Physics Communications, 2017, 216, 145-174.	3.0	43
15	Investigation of negative-parity states in $N=156$ : Search for evidence of tetrahedral symmetry. Physical Review C, 2017, 95, .	1.1	9
16	Narrowing the Confidence Intervals in Nuclear Structure Predictions Through Elimination of Parametric Correlations. Acta Physica Polonica B, Proceedings Supplement, 2017, 10, 51.	0.0	2
17	New isomer found in $^{89}\text{Sb}$ : Sphericity and shell evolution between $N=82$ and $N=90$ . Physical Review C, 2016, 93, .	1.1	23
18	Giant dipole resonance built on hot rotating nuclei produced during evaporation of light particles from the $^{88}\text{Mo}$ compound nucleus. Physical Review C, 2015, 91, .	1.1	15

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19	Tetrahedral symmetry in Zr nuclei: calculations of low-energy excitations with Cogne interaction. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2015, 42, 015106.	1.4	24
20	Nuclear Jacobi and Poincaré transitions at high spins and temperatures: Account of dynamic effects and large-amplitude motion. <i>Physical Review C</i> , 2015, 91, .	1.1	10
21	Measurement of light charged particles in the decay channels of medium-mass excited compound nuclei. <i>EPJ Web of Conferences</i> , 2014, 66, 03090.	0.1	2
22	The negative parity bands in $^{156}\text{Gd}$ . <i>Physica Scripta</i> , 2014, 89, 054017.	1.2	3
23	Nuclear tetrahedral states and high-spin states studied using the quantum number projection method. <i>Physica Scripta</i> , 2014, 89, 054013.	1.2	10
24	The suggested presence of tetrahedral symmetry in the ground-state configuration of the $^{96}\text{Zr}$ nucleus. <i>Physica Scripta</i> , 2014, 89, 054007.	1.2	8
25	Microscopic study of tetrahedrally symmetric nuclei by an angular-momentum and parity projection method. <i>Physical Review C</i> , 2013, 87, .	1.1	26
26	Nuclear Mean-field Techniques: Adequacy of Interactions and Implied Predictions. <i>Acta Physica Polonica B</i> , 2013, 44, 327.	0.3	0
27	Exotic Geometrical Symmetries in Nuclei: From Group Theory to Experiments. <i>Acta Physica Polonica B</i> , 2013, 44, 305.	0.3	8
28	Predictive power and theoretical uncertainties of mathematical modelling for nuclear physics. <i>Physica Scripta</i> , 2013, T154, 014002.	1.2	13
29	Geometrical symmetries in atomic nuclei: From theory predictions to experimental verifications. <i>Journal of Physics: Conference Series</i> , 2013, 413, 012001.	0.3	1
30	ON THE WAY TOWARDS INCREASING THE PREDICTIVE POWER OF THE NUCLEAR MEAN FIELD THEORIES: EVALUATION OF TWO-BODY MATRIX ELEMENTS. <i>International Journal of Modern Physics E</i> , 2012, 21, 1250037.	0.4	0
31	NUCLEAR PHYSICS HAMILTONIANS, INVERSE PROBLEM AND THE RELATED ISSUE OF PREDICTIVE POWER. <i>International Journal of Modern Physics E</i> , 2012, 21, 1250053.	0.4	3
32	Efficient Method for Quantum Number Projection and Its Application to Tetrahedral Nuclear States. <i>Progress of Theoretical Physics Supplement</i> , 2012, 196, 334-339.	0.2	4
33	EXOTIC NUCLEAR SHAPES AND THE LEVEL MIXING MODELS. <i>International Journal of Modern Physics E</i> , 2011, 20, 811-814.	0.4	0
34	Statistical significance of theoretical predictions: A new dimension in nuclear structure theories (II). <i>Journal of Physics: Conference Series</i> , 2011, 267, 012063.	0.3	7
35	Statistical significance of theoretical predictions: A new dimension in nuclear structure theories (I). <i>Journal of Physics: Conference Series</i> , 2011, 267, 012062.	0.3	6
36	TETRAHEDRAL SYMMETRY IN NUCLEI: NEW PREDICTIONS BASED ON THE COLLECTIVE MODEL. <i>International Journal of Modern Physics E</i> , 2011, 20, 500-506.	0.4	13

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37	SYMMETRIES IN THE INTRINSIC NUCLEAR FRAMES. International Journal of Modern Physics E, 2011, 20, 199-206.	0.4	14
38	SEARCH FOR TETRAHEDRAL SYMMETRY IN NUCLEI: A SHORT OVERVIEW. International Journal of Modern Physics E, 2011, 20, 219-227.	0.4	1
39	$\hat{I}^3$ -Spectroscopy of Positive Parity Bands In The [ <sup>sup</sup> 156]Gd Nucleus. , 2011, , .		0
40	Title is missing!. Acta Physica Polonica B, 2011, 42, 471.	0.3	3
41	Title is missing!. Acta Physica Polonica B, 2011, 42, 459.	0.3	1
42	Tetrahedral symmetry in nuclei: Search for its fingerprints in the Actinide and Rare-Earth regions. Journal of Physics: Conference Series, 2010, 205, 012034.	0.3	7
43	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.	1.4	13
44	Spectroscopic information about a hypothetical tetrahedral configuration in $Gd$ . Physical Review C, 2010, 82, 014302.	1.1	11
45	Ray Spectroscopy of $Gd$ : A Test of Tetrahedral Symmetry. Physical Review Letters, 2010, 104, 222502.	2.9	33
46	SHAPE EVOLUTION AT HIGH SPINS AND TEMPERATURES: NUCLEAR JACOBI AND POINCARÉ TRANSITIONS. International Journal of Modern Physics E, 2010, 19, 532-540.	0.4	8
47	NUCLEAR MEAN-FIELD HAMILTONIANS AND FACTORS LIMITING THEIR SPECTROSCOPIC PREDICTIVE POWER: ILLUSTRATIONS. International Journal of Modern Physics E, 2010, 19, 665-671.	0.4	5
48	NUCLEAR ROTATIONAL-BAND INTERACTION-MECHANISM REVISITED. International Journal of Modern Physics E, 2010, 19, 633-639.	0.4	2
49	MODELING THE ELECTROMAGNETIC TRANSITIONS IN TETRAHEDRAL-SYMMETRIC NUCLEI. International Journal of Modern Physics E, 2010, 19, 621-632.	0.4	6
50	ON A SELECTION RULE FOR ELECTRIC TRANSITIONS IN AXIALLY-SYMMETRIC NUCLEI. International Journal of Modern Physics E, 2010, 19, 685-691.	0.4	2
51	NUCLEAR MEAN-FIELD HAMILTONIANS AND FACTORS LIMITING THEIR PREDICTIVE POWER. International Journal of Modern Physics E, 2010, 19, 652-664.	0.4	6
52	Mean-field theory of nuclear stability and exotic point-group symmetries. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 064032.	1.4	16
53	COLLECTIVE HAMILTONIANS WITH TETRAHEDRAL SYMMETRY: FORMALISM AND GENERAL FEATURES. International Journal of Modern Physics E, 2009, 18, 1028-1035.	0.4	4
54	NUCLEAR POINT-GROUP SYMMETRIES AND NEW IDEAS ABOUT NUCLEAR STABILITY: AN OVERVIEW. International Journal of Modern Physics E, 2009, 18, 2155-2159.	0.4	1

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55	INFLUENCE OF THE LEVEL DENSITY PARAMETRIZATION ON THE EFFECTIVE GDR WIDTH AT HIGH SPINS. International Journal of Modern Physics E, 2008, 17, 132-137.	0.4	4
56	TENSOR FORMALISM FOR ROTATIONAL AND VIBRATIONAL NUCLEAR MOTIONS WITH DISCRETE SYMMETRIES: ROTATIONAL TERMS. International Journal of Modern Physics E, 2008, 17, 272-275.	0.4	6
57	Extended investigation of superdeformed bands in Tb151,152 nuclei. Physical Review C, 2008, 77, .	1.1	11
58	NUCLEI WITH TETRAHEDRAL SYMMETRY. International Journal of Modern Physics E, 2007, 16, 516-532.	0.4	29
59	PARTICLE-PARTICLE HOLE-HOLE TDA " AND BEYOND " FOR THE NUCLEAR PAIRING HAMILTONIAN. International Journal of Modern Physics E, 2007, 16, 298-309.	0.4	0
60	OPTIMIZED DESCRIPTION OF NUCLEAR SHAPES AND SYMMETRIES. International Journal of Modern Physics E, 2007, 16, 541-551.	0.4	4
61	Nuclear hyperdeformation and the Jacobi shape transition. Physical Review C, 2007, 75, .	1.1	23
62	Deformation Effects in Hot Rotating <sup>46</sup> Ti Probed by the Charged Particle Emission and GDR $\beta^3$ -Decay. Nuclear Physics A, 2007, 788, 224-230.	0.6	8
63	Search for the Skyrme-Hartree-Fock solutions for chiral rotation in N=75 isotones. Physical Review C, 2006, 73, .	1.1	56
64	Charged particle feeding of hyperdeformed nuclei in the A=118-126 region. Physica Scripta, 2006, T125, 108-114.	1.2	13
65	Nuclear hyper-deformation and the Jacobi shape transition. Physica Scripta, 2006, T125, 218-219.	1.2	2
66	Island of Rare Earth Nuclei with Tetrahedral and Octahedral Symmetries: Possible Experimental Evidence. Physical Review Letters, 2006, 97, 072501.	2.9	54
67	ROTATION OF TETRAHEDRAL NUCLEI IN THE CRANKING MODEL. International Journal of Modern Physics E, 2006, 15, 490-494.	0.4	5
68	EXOTIC DEFORMATIONS IN THE ACTINIDE REGION. International Journal of Modern Physics E, 2006, 15, 542-547.	0.4	1
69	Non-Axial Octupole Deformations and Tetrahedral Symmetry in Heavy Nuclei. AIP Conference Proceedings, 2005, , .	0.3	5
70	EXOTIC NUCLEAR SHAPES: TODAY AND TOMORROW. International Journal of Modern Physics E, 2005, 14, 389-394.	0.4	4
71	THE PARTICLE CONSERVING SHELL CORRECTION METHOD AND THE NUCLEAR ZERO-POINT MOTION. International Journal of Modern Physics E, 2005, 14, 499-503.	0.4	8
72	THE PROBLEM OF UNIVERSALITY OF NUCLEAR MEAN-FIELD PARAMETRIZATIONS. International Journal of Modern Physics E, 2005, 14, 493-498.	0.4	2

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73	SEARCH FOR THE TRI-AXIAL HEXADECAPOLE-DEFORMATION EFFECTS IN TRANS-ACTINIDAE NUCLEI. International Journal of Modern Physics E, 2005, 14, 383-388.	0.4	6
74	A Study of the Jacobi Shape Transition in Light, Fast Rotating Nuclei with the EUROBALL IV, HECTOR and EUCLIDES Arrays. AIP Conference Proceedings, 2004, , .	0.3	0
75	Critical Frequency in Nuclear Chiral Rotation. Physical Review Letters, 2004, 93, 052501.	2.9	119
76	Tetrahedral symmetry in ground and low-lying states of exotic $^{110}\text{Ni}$ nuclei. Physical Review C, 2004, 69, .	1.1	44
77	Probing nuclear shapes close to the fission limit with the giant dipole resonance in $^{216}\text{Rn}$ . Physical Review C, 2004, 70, .	1.1	23
78	QUANTUM ROTATIONAL SPECTRA AND CLASSICAL ROTORS. International Journal of Modern Physics E, 2004, 13, 127-132.	0.4	8
79	NUCLEAR PAIRING AS RANDOM WALK OF COOPER PAIRS. International Journal of Modern Physics E, 2004, 13, 203-211.	0.4	1
80	NUCLEAR TETRAHEDRAL SYMMETRY. International Journal of Modern Physics E, 2004, 13, 213-216.	0.4	8
81	A STOCHASTIC PARAMETRISATION OF THE SPECTRA OF THE NUCLEAR PAIRING HAMILTONIAN. International Journal of Modern Physics E, 2004, 13, 239-242.	0.4	0
82	COMPETITION BETWEEN AXIAL AND NON-AXIAL OCTUPOLE DEFORMATIONS IN HEAVY NUCLEI. International Journal of Modern Physics E, 2004, 13, 117-121.	0.4	8
83	Hyperdeformed Shapes and Jacobi Transitions in $^{126}\text{Ba}$ . AIP Conference Proceedings, 2004, , .	0.3	6
84	FISSION BARRIERS WITHIN THE LIQUID DROP MODEL WITH THE SURFACE-CURVATURE TERM. International Journal of Modern Physics E, 2004, 13, 107-112.	0.4	22
85	Evidence for the Jacobi shape transition in hot $^{46}\text{Ti}$ . Nuclear Physics A, 2004, 731, 319-326.	0.6	40
86	Hyperdeformed and megadeformed nuclei. European Physical Journal A, 2003, 20, 15-29.	1.0	33
87	Search for the Jacobi shape transition in light nuclei. European Physical Journal A, 2003, 20, 165-166.	1.0	4
88	Nuclear liquid-drop model and surface-curvature effects. Physical Review C, 2003, 67, .	1.1	358
89	$T=0$ neutron-proton pairing correlations in the superdeformed rotational bands around $^{60}\text{Zn}$ . Physical Review C, 2003, 67, .	1.1	14
90	Nuclear Tetrahedral Symmetry: Possibly Present throughout the Periodic Table. Physical Review Letters, 2002, 88, 252502.	2.9	111

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91	High-spin states in $^{155}\text{Er}$ . <i>Physical Review C</i> , 2001, 64, .	1.1	14
92	Solution of the Skyrme-Hartree-Fock equations in the Cartesian deformed harmonic-oscillator basis. (III) HFODD (v1.75r): a new version of the program. <i>Computer Physics Communications</i> , 2000, 131, 164-186.	3.0	44
93	Microscopic study of superdeformed rotational bands in $^{151}\text{Tb}$ . <i>Nuclear Physics A</i> , 2000, 676, 155-195.	0.6	10
94	Superdeformed bands in $^{32}\text{S}$ and neighboring nuclei predicted within the Hartree-Fock method. <i>Physical Review C</i> , 2000, 61, .	1.1	39
95	Point symmetries in the Hartree-Fock approach. II. Symmetry-breaking schemes. <i>Physical Review C</i> , 2000, 62, .	1.1	29
96	Point symmetries in the Hartree-Fock approach. I. Densities, shapes, and currents. <i>Physical Review C</i> , 2000, 62, .	1.1	48
97	Fock-space diagonalization of the state-dependent pairing Hamiltonian with the Woods-Saxon mean field. <i>Physical Review C</i> , 1997, 56, 1795-1813.	1.1	86
98	Solution of the Skyrme-Hartree-Fock equations in the Cartesian deformed harmonic oscillator basis I. The method. <i>Computer Physics Communications</i> , 1997, 102, 166-182.	3.0	76
99	Solution of the Skyrme-Hartree-Fock equations in the Cartesian deformed harmonic oscillator basis II. The program HFODD. <i>Computer Physics Communications</i> , 1997, 102, 183-209.	3.0	55
100	Additivity of Quadrupole Moments in Superdeformed Bands: Single-Particle Motion at Extreme Conditions. <i>Physical Review Letters</i> , 1996, 77, 5182-5185.	2.9	62
101	Shape Coexistence Effects of Super- and Hyperdeformed Configurations in Rotating Nuclei II. Nuclei with $42 \leq Z \leq 56$ and $74 \leq Z \leq 92$ . <i>Atomic Data and Nuclear Data Tables</i> , 1995, 59, 1-181.	0.9	50
102	Transition quadrupole moments of high-spin states in $^{172}\text{Os}$ . <i>Nuclear Physics A</i> , 1995, 591, 145-160.	0.6	8
103	Time-odd components in the mean field of rotating superdeformed nuclei. <i>Physical Review C</i> , 1995, 52, 1827-1839.	1.1	157
104	Mean square radii of nuclei calculated with the Woods-Saxon potential. <i>Physical Review C</i> , 1995, 51, 601-605.	1.1	17
105	Excited superdeformed band in $^{142}\text{Sm}$ identical to $^{146}\text{Gd}$ . <i>Physical Review C</i> , 1995, 52, R2293-R2297.	1.1	10
106	Observation of Excited Superdeformed Bands in $^{132}\text{Ce}$ and Evidence for Identical Bands in the Mass 130 Region. <i>Physical Review Letters</i> , 1995, 74, 1708-1711.	2.9	27
107	New symmetry in many-body effective Hamiltonians: An example of rotating nuclei. <i>Physical Review C</i> , 1995, 51, 547-550.	1.1	1
108	Microscopic study of a $C_4$ -symmetry hypothesis in $^{150}\text{Sm}$ superdeformed nuclei: Deformed Woods-Saxon mean field. <i>Physical Review C</i> , 1995, 52, 2989-3001.	1.1	25



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109	Correlation between quantized-alignment and identical-band mechanisms. <i>Physical Review C</i> , 1994, 49, R1246-R1249.	1.1	1
110	Deformed atomic nuclei with degeneracies of the nucleonic levels higher than 2. <i>Physical Review C</i> , 1994, 49, R1250-R1252.	1.1	47
111	Nuclear superdeformation at high spins. <i>Progress in Particle and Nuclear Physics</i> , 1992, 28, 131-185.	5.6	18
112	Shape coexistence effects of super- and hyperdeformed configurations in rotating nuclei with $58 \leq Z \leq 74$ . <i>Atomic Data and Nuclear Data Tables</i> , 1992, 50, 179-267.	0.9	70
113	Symmetries of the nuclear average field hamiltonian and a search for possible exotic equilibrium deformations in superdeformed nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 271, 281-289.	1.5	17
114	A new realisation of the realistic average field approach with density-dependent spin-orbit term. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 267, 431-437.	1.5	4
115	A comparative study of superdeformation in $^{146,147,148}\text{Gd}$ . Possible manifestations of the pseudo-SU3 symmetry, octupole shape susceptibility and superdeformed deep-hole excitations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 254, 308-314.	1.5	28
116	Superdeformation in the quasicontinuum: Microscopic view of the excited superdeformed bands and the corresponding level densities. <i>Physical Review C</i> , 1991, 44, R948-R951.	1.1	8
117	High spin and shape coexistence in $^{73}\text{Se}$ . <i>Physical Review C</i> , 1991, 44, 668-675.	1.1	11
118	Prediction of octupole-deformation effects in superdeformed nuclei of $A \approx 150$ and $A \approx 190$ mass regions and possible interrelation with pseudo-spin symmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 248, 235-242.	1.5	43
119	Superdeformed bands in $^{64}\text{Gd}$ , a possible test of the existence of octupole correlations in superdeformed bands. <i>Nuclear Physics A</i> , 1990, 520, c195-c200.	0.6	6
120	High spin states in $^{75}\text{Kr}$ : Approaching superdeformation in the $A=80$ region. <i>Physical Review C</i> , 1989, 40, 2672-2679.	1.1	18
121	Persisting domination of the octupole over the quadrupole degrees of freedom and the new type of transitional nuclei: High-spin behavior of $^{218}\text{Ra}$ . <i>Physical Review Letters</i> , 1989, 63, 2645-2648.	2.9	33
122	Testing the parameters of the universal Woods-Saxon potential with $B(E2; 0^+ \rightarrow 2^+)$ values and nucleon separation energies. <i>Physical Review C</i> , 1989, 40, 2282-2293.	1.1	12
123	High-spin studies of $^{172,173}\text{Os}$ : Complex alignment mechanism. <i>Physical Review C</i> , 1989, 40, 725-741.	1.1	17
124	High-spin states in $^{154}\text{Er}$ and parallel proton- and neutron-core breaking. <i>Nuclear Physics A</i> , 1989, 496, 385-402.	0.6	13
125	A systematic comparison between the Nilsson and Woods-Saxon deformed shell model potentials. <i>Physica Scripta</i> , 1989, 39, 196-220.	1.2	87
126	Fluctuation effects in the pairing field of rapidly rotating nuclei. <i>Annals of Physics</i> , 1988, 182, 237-279.	1.0	21



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127	Study of band structures and crossings in 180Os. Nuclear Physics A, 1988, 476, 545-588.	0.6	37
128	High-spin excitations of 187, 188Hg. Nuclear Physics A, 1988, 481, 135-160.	0.6	55
129	Prediction of hyperdeformed nuclear states at very high spins. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 211, 252-258.	1.5	55
130	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.	1.5	4

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145	Search for superdeformation effects in Gd144. <i>Physical Review C</i> , 1986, 33, 2007-2016.	1.1	7
146	Microscopic study of the high-spin behaviour in selected A ≈ 80 nuclei. <i>Nuclear Physics A</i> , 1985, 435, 397-447.	0.6	753
147	Disappearance of pairing correlations in a rotating nucleus and the role of particle-number projection discussed within a solvable model. <i>Nuclear Physics A</i> , 1985, 436, 139-164.	0.6	35
148	A new region of intrinsic reflection asymmetry in nuclei around 145Ba?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 152, 284-290.	1.5	113
149	Long-lived high spin states in 156Er: Signature for a prolate-to-oblate shape transition. <i>Zeitschrift für Physik A</i> , 1985, 320, 699-700.	1.4	4
150	High-spin structure in 169W and 170W. <i>Nuclear Physics A</i> , 1985, 440, 366-396.	0.6	43
151	Band Termination at Very High Spin in Yb158. <i>Physical Review Letters</i> , 1985, 54, 982-985.	2.9	44
152	Strong Angular Momentum Effects in Near-Barrier Fusion Reactions. <i>Physical Review Letters</i> , 1985, 54, 398-401.	2.9	59
153	Shape evolution in the transitional gadolinium, dysprosium, erbium, and ytterbium nuclei. <i>Physical Review C</i> , 1985, 31, 298-301.	1.1	107
154	High-spin states in 215Fr. <i>Journal of Physics G: Nuclear Physics</i> , 1984, 10, 1201-1218.	0.8	16
155	High-Spin Consequences of Octupole Shape in Nuclei around Th222. <i>Physical Review Letters</i> , 1984, 52, 1272-1275.	2.9	100
156	High-Spin Consequences of Octupole Shape in Nuclei around Th222. <i>Physical Review Letters</i> , 1984, 53, 2060-2060.	2.9	20
157	Single-particle levels in the doubly magic Sn132 and Sn100 nuclei. <i>Physical Review C</i> , 1984, 30, 416-419.	1.1	39
158	Theoretical analysis of the single-particle states in the secondary minima of fissioning nuclei. <i>Nuclear Physics A</i> , 1984, 412, 61-91.	0.6	29
159	On the shape consistency in the deformed shell-model approach. <i>Nuclear Physics A</i> , 1984, 420, 285-296.	0.6	49
160	High-spin structure in 154Er. <i>Zeitschrift für Physik A</i> , 1984, 319, 119-132.	1.4	16
161	Analysis of octupole instability in medium-mass and heavy nuclei. <i>Nuclear Physics A</i> , 1984, 429, 269-295.	0.6	316
162	Delayed second band crossing in 170W. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 122, 207-210.	1.5	15

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163	High-spin rotational bands and pairing reduction in $^{166}\text{Hf}$ . Nuclear Physics A, 1983, 399, 199-210.	0.6	17
164	Fission barriers of transfermium elements. Nuclear Physics A, 1983, 410, 254-270.	0.6	101
165	High-spin phenomena in atomic nuclei. Reviews of Modern Physics, 1983, 55, 949-1046.	16.4	236
166	Kinematical and Dynamical Moments of Inertia and the Mottelson-Valatin Effect at High Spin Excitations. Physica Scripta, 1983, T5, 171-174.	1.2	11
167	Search for Collective Effects in Very High Spin States of $^{152}\text{Dy}$ . Physical Review Letters, 1982, 48, 1534-1537.	2.9	27
168	Possible existence of backbending in actinide nuclei. Physical Review C, 1982, 26, 1708-1711.	1.1	13
169	Description of the high spin states in $^{146}\text{Gd}$ using the optimized Woods-Saxon potential. Physical Review C, 1982, 26, 1712-1718.	1.1	62
170	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.	1.5	13
171	Woods-Saxon potential parameters optimized to the high spin spectra in the lead region. Physical Review C, 1981, 23, 920-925.	1.1	170
172	Second backbending in the yrast line of $^{156}\text{Er}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 102, 235-238.	1.5	23
173	Independent Quasiparticle Analysis of Rotational Bands in $^{156}\text{Er}$ . Physica Scripta, 1981, 24, 309-311.	1.2	8
174	Systematically too low values of the cranking model collective inertia parameters. Zeitschrift für Physik A, 1980, 294, 341-350.	1.4	15
175	Microscopic analysis of the double backbending in the nucleus $^{160}\text{Yb}$ . Nuclear Physics A, 1980, 333, 139-156.	0.6	43
176	Discussion of the improved parametrisation of the Woods-Saxon potential for deformed nuclei. Nuclear Physics A, 1980, 341, 253-268.	0.6	50
177	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
178	Adjustment of the pairing force strength to the experimental data and the optimised Woods-Saxon potential spectrum-comparison with the Nilsson model. Journal of Physics G: Nuclear Physics, 1980, 6, 447-454.	0.8	70
179	Analysis of the backbending effect in $^{166}\text{Yb}$ , $^{168}\text{Yb}$ , and $^{170}\text{Yb}$ within the Hartree-Fock-Bogolyubov cranking method. Physical Review C, 1980, 21, 448-452.	1.1	10
180	SINGLE-PARTICLE STRUCTURE EFFECT ON HIGH-SPIN NUCLEAR STATES. Journal De Physique Colloque, 1980, 41, C10-18-C10-38.	0.2	1

#	ARTICLE	IF	CITATIONS
181	Neutron-induced fission of lead isotopes. Journal of Physics G: Nuclear Physics, 1979, 5, 1001-1017.	0.8	2
182	Particle-hole structure of nuclear isomers at high angular momenta. Nuclear Physics A, 1979, 315, 269-290.	0.6	31
183	Comment on the finite difference schemes for the time-dependent Schrödinger equation. Zeitschrift für Physik A, 1979, 292, 205-210.	1.4	1
184	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
185	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.	1.5	13
186	A numerical calculation of multidimensional integrals. Computer Physics Communications, 1978, 14, 299-309.	3.0	11
187	Dependence of electric properties of Pb(ZrxTi1-x)O3 solid solutions on their composition. Ferroelectrics, 1978, 18, 161-164.	0.3	12
188	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
189	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.	1.5	32
190	Nucleon binding in nuclei at high angular momentum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1977, 72, 149-151.	1.5	8
191	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.	1.5	2
192	Nuclear shell structure at very high angular momentum. Nuclear Physics A, 1976, 268, 205-256.	0.6	504
193	The microscopic approach to calculations of nuclear fission probability. Nuclear Physics A, 1973, 203, 121-132.	0.6	5
194	Current voltage characteristics for some ferroelectric materials of perovskite type. Ferroelectrics, 1973, 6, 115-117.	0.3	3
195	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.	0.6	2
196	Thermoelectric effects in the system metal-PbTiO3-metal. Physica Status Solidi A, 1971, 5, 237-245.	1.7	2
197	Penetration of a double potential barrier in fissioning nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1971, 34, 181-183.	1.5	0