

Matthew Devlin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5721023/publications.pdf>

Version: 2024-02-01

224
papers

4,095
citations

159585

30
h-index

175258

52
g-index

232
all docs

232
docs citations

232
times ranked

1869
citing authors

#	ARTICLE	IF	CITATIONS
19	Prompt fission product yields in the $^{238}\text{U}(n, f)$ reaction. Physical Review C, 2019, 99, .	2.9	7
20	Measured and simulated Cf(sf)252 prompt neutron-photon competition. Physical Review C, 2018, 97, .	2.9	20
21	Evaluations of Energy Spectra of Neutrons Emitted Promptly in Neutron-induced Fission of ^{235}U and ^{239}Pu . Nuclear Data Sheets, 2018, 148, 293-311.	2.2	24
22	The Prompt Fission Neutron Spectrum of $^{235}\text{U}(n, f)$ below 2.5 MeV for Incident Neutrons from 0.7 to 20 MeV. Nuclear Data Sheets, 2018, 148, 322-337.	2.2	40
23	Measurements of the Prompt Fission Neutron Spectrum at LANSCE: The Chi-Nu Experiment. EPJ Web of Conferences, 2018, 193, 03003.	0.3	7
24	First Results on $^{238}\text{U}(n, f)$ Prompt Fission Neutron Spectra from 1 to 200 MeV incident neutron energy. EPJ Web of Conferences, 2018, 193, 03002.	0.3	3
25	Neutron inelastic scattering measurements on Xe136 at $E_n=0.7$ to 100 MeV. Physical Review C, 2018, 98, .	2.9	2
26	Numerical integration of detector response functions via Monte Carlo simulations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 866, 182-189.	1.6	15
27	Overclocked ^{6}Li neutron detector for the Chi-Nu experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 866, 182-189.	1.6	12
28	New prompt fission neutron spectra measurements in the $^{238}\text{U}(n, f)$ reaction with a dedicated setup at LANSCE/WNR. EPJ Web of Conferences, 2017, 146, 04014.	0.3	4
29	The ^{235}U prompt fission neutron spectrum measured by the Chi-Nu project at LANSCE. EPJ Web of Conferences, 2017, 146, 04040.	0.3	1
30	A bright neutron source driven by relativistic transparency of solids. Journal of Physics: Conference Series, 2016, 688, 012094.	0.4	2
31	Neutron imaging with the short-pulse laser driven neutron source at the Trident laser facility. Journal of Applied Physics, 2016, 120, .	2.5	32
32	Feeding of Rh and Ag isomers in fast-neutron-induced reactions. Physical Review C, 2016, 94, .	2.9	4
33	New transitions and feeding of the ^{186}Re isomer. Physical Review C, 2015, 92, .	2.9	6
34	Validating $(d, p)^3$ as a Surrogate for Neutron Capture. EPJ Web of Conferences, 2015, 93, 02012.	0.3	8
35	The LANL/LLNL Prompt Fission Neutron Spectrum Program at LANSCE and Approach to Uncertainties. Nuclear Data Sheets, 2015, 123, 130-134.	2.2	16
36	Multiple-scattering Corrections to Measurements of the Prompt Fission Neutron Spectrum. Nuclear Data Sheets, 2015, 123, 135-139.	2.2	34

#	ARTICLE	IF	CITATIONS
37	A multiple parallel-plate avalanche counter for fission-fragment detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 794, 76-79.	1.6	22
38	The SPIDER fission fragment spectrometer for fission product yield measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 788, 59-66.	1.6	33
39	Measurement of prompt neutron spectra from the $^{239}\text{Pu}(n,f)$ reaction in fast neutron-induced reactions on ^{239}Pu . Physical Review C, 2014, 89, .	2.9	8
40	High energy ion acceleration and neutron production using relativistic transparency in solids. , 2014, .		0
41	Measurement of prompt neutron spectra from the $^{239}\text{Pu}(n,f)$ reaction for incident neutron energies from 1 to 200 MeV. Physical Review C, 2014, 89, .	2.9	36
42	New Millisecond Isomer Lifetime Measurements at LANSCE. Nuclear Data Sheets, 2014, 120, 48-51.	2.2	6
43	Measurement of prompt X-rays in $^{238}\text{U}(n,f)$ from threshold to 400 MeV. European Physical Journal A, 2013, 49, 1.	2.5	5
44	Li-glass detector response study with a ^{252}Cf source for low-energy prompt fission neutrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 703, 213-219.	1.6	29
45	Bright Laser-Driven Neutron Source Based on the Relativistic Transparency of Solids. Physical Review Letters, 2013, 110, 044802.	7.8	271
46	Development of Neutron Detector Arrays for Neutron-Induced Reaction Measurements. IEEE Transactions on Nuclear Science, 2013, 60, 879-884.	2.0	3
47	Characterization of a novel, short pulse laser-driven neutron source. Physics of Plasmas, 2013, 20, .	1.9	43
48	Band termination in normally deformed bands in ^{83}Y . , 2013, .		0
49	Low-spin states in ^{86}Kr from the $^{239}\text{Pu}(n,f)$ reaction. Physical Review C, 2013, 87, .	2.9	8
50	Neutron inelastic scattering in natural Cu as a background in neutrinoless double- β^2 decay experiments. Physical Review C, 2013, 87, .	2.9	5
51	PROMPT FISSION NEUTRON SPECTRUM STUDY AT LANSCE: CHI-NU PROJECT. , 2013, .		4
52	LEAD SLOWING-DOWN SPECTROMETER RESEARCH AT LANSCE. , 2013, .		0
53	INFORMATION ON NEUTRON-RICH NUCLEI FROM FISSION X-RAYS. , 2013, .		0
54	Partial $^{239}\text{Pu}(n,f)$ γ -ray production cross sections for ^{239}Pu at $1\text{--}30\text{ MeV}$. Physical Review C, 2012, 85, .	2.9	11

#	ARTICLE	IF	CITATIONS
55	High-spin spectrum of ^{24}Mg studied through multiparticle angular correlations. Physical Review C, 2012, 85, .	2.9	10
56	Two detector arrays for fast neutrons at LANSCE. Journal of Instrumentation, 2012, 7, C03028-C03028.	1.2	14
57	Neutron-induced \hat{I}^3 -ray production cross sections for the first excited-state transitions in ^{20}Ne and ^{22}Ne . Physical Review C, 2012, 86, .	2.9	1
58	\hat{I}^3 -ray spectroscopy of neutron-deficient ^{123}Ce . Physical Review C, 2012, 86, .	2.9	3
59	Prompt energy distribution of $^{235}\text{U}(n,f)$ at bombarding energies of $1\text{--}20\text{MeV}$. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 688, 55-61.	1.6	15
60	Investigation of Prompt X-ray Emission in Fission. Physics Procedia, 2012, 31, 185-190.	1.2	1
61	Cross sections for neutron interactions in the CUORE neutrinoless double beta decay experiment. Nuclear Physics, Section B, Proceedings Supplements, 2011, 221, 341.	0.4	1
62	Inelastic partial \hat{I}^3 -ray cross sections of $^{150}\text{Sm}+n$ reactions for $E_n = 1\text{--}15\text{MeV}$. , 2011, , .		0
63	Prompt fission neutron spectra from fission induced by 1 to 8 MeV neutrons on ^{235}U and ^{239}Pu .	2.9	26
64	States built on the 10+ isomers in $^{118,120,122,124}\text{Sn}$. Physical Review C, 2011, 84, .	2.9	21
65	Study of near-stability nuclei populated as fission fragments in heavy-ion fusion reactions. , 2011, , .		0
66	Total neutron cross-sections for rare isotopes using a digital-signal-processing technique: Case study ^{48}Ca . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 614, 468-474.	1.6	12
67	$(n,2n)$ and $(n,3n)$ cross-sections of neutron-induced reactions on ^{150}Sm for MeV. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 114-119.	1.4	5
68	First $3\hat{a}^{\nu}$ excited state of ^{56}Fe . Physical Review C, 2010, 81, .	2.9	8
69	ENERGY MEASUREMENT OF PROMPT FISSION NEUTRONS IN $^{239}\text{Pu}(N,F)$ FOR INCIDENT NEUTRON ENERGIES FROM 1 TO 200 MEV. , 2010, , .		1
70	Fission neutron spectra measurements at LANSCE—status and plans. , 2009, , .		1
71	Feeding of the ^{112}Ir and ^{112}Au in stable Ir and Au isotopes. Physical Review C, 2009, 80, .	2.9	15
72	Neutron inelastic scattering and reactions in natural Pb as a background in neutrinoless double- ^{12}C -decay experiments. Physical Review C, 2009, 79, .	2.9	20

#	ARTICLE	IF	CITATIONS
73	Differential Cross Section Measurements for the ${}^6\text{Li}(n,t)\hat{1}\pm$ Reaction in the Few MeV Region. , 2009, , .		11
74	Neutron inelastic scattering as a background in the Majorana neutrinoless double-beta decay experiment. Journal of Physics: Conference Series, 2008, 136, 042049.	0.4	0
75	Effect of pre-equilibrium spin distribution on neutron-induced reaction cross sections. AIP Conference Proceedings, 2008, , .	0.4	0
76	New levels and a lifetime measurement in $\text{Tl}204$. Physical Review C, 2008, 77, .	2.9	11
77	EthvignotetÅal.Reply:. Physical Review Letters, 2008, 101, .	7.8	5
78	$\hat{1}\beta$ -ray spectroscopy of neutron-deficient Te . I. Low- and intermediate-spin structures. Physical Review C, 2007, 76, .	2.9	9
79	Smooth terminating bands in $\text{Te}112$: Particle-hole induced collectivity. Physical Review C, 2007, 75, .	2.9	12
80	Probing δ^2 fpcross-shell interactions via terminating configurations in $\text{Sc}42,43$. Physical Review C, 2007, 75, .	2.9	26
81	Publisher's Note: Probing δ^2 fpcross-shell interactions via terminating configurations in $\text{Sc}42,43$ [Phys. Rev. C75, 054305 (2007)]. Physical Review C, 2007, 75, .	2.9	2
82	Effect of preequilibrium spin distribution on $\text{Ti}48+n$ cross sections. Physical Review C, 2007, 75, .	2.9	22
83	$\hat{1}\beta$ -ray spectroscopy of neutron-deficient $\text{Te}110$. II. High-spin smooth-terminating structures. Physical Review C, 2007, 76, .	2.9	13
84	High-spin states in $\text{Xe}135$. Physical Review C, 2007, 75, .	2.9	12
85	New levels and a lifetime measurement in Tl . Physical Review C, 2007, 76, .	2.9	14
86	Gamma-Ray Production Cross Sections in Multiple Channels for Neutron-Induced Reaction on ${}^{48}\text{Ti}$ for $E_n = 1$ to 200 MeV. Nuclear Science and Engineering, 2007, 157, 65-77.	1.1	15
87	Neutron induced inelastic cross-sections of ${}^{150}\text{Sm}$ for $E_n = 1$ to 35 MeV. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 948-952.	1.4	4
88	${}^6\text{Li}(n,t)\hat{1}\pm$ angular distribution measurements for $0.2 < E_n < 10$ MeV at LANSCE/WNR. , 2007, , .		2
89	Measurement of the average energy and multiplicity of prompt-fission neutrons from ${}^{238}\text{U}(n,f)$ and ${}^{237}\text{Np}(n,f)$ from 1 to 200 MeV. , 2007, , .		5
90	Recent results from GEANIE at LANSCE. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
91	Effect of pre-equilibrium spin distribution on neutron induced ^{150}Sm cross sections. , 2007, , .		0
92	Gamma-Ray Cross Section Standards in the MeV Energy Range and ^{56}Fe Inelastic Scattering. AIP Conference Proceedings, 2006, , .	0.4	0
93	Magnetic properties of deformed dipole bands in $^{110}, ^{112}\text{Te}$. Physica Scripta, 2006, T125, 192-193.	2.5	0
94	Magnetic properties of smooth terminating dipole bands in $^{110}, ^{112}\text{Te}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 636, 25-30.	4.1	12
95	Excited states and signature inversion in ^{116}Cs . Physical Review C, 2006, 74, .	2.9	9
96	First observation of very neutron-deficient ^{122}Ce . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 625, 203-211.	4.1	9
97	^{148}Gd production cross section measurements for 600- and 800-MeV protons on tantalum, tungsten, and gold. Nuclear Physics A, 2005, 760, 225-233.	1.5	12
98	Cross-Section Standards for Neutron-Induced Gamma-Ray Production in the MeV Energy Range. AIP Conference Proceedings, 2005, , .	0.4	9
99	Cross Sections for $\hat{3}$ -Ray Production in the $^{191}\text{Ir}(n, n\hat{3})$ Reactions. AIP Conference Proceedings, 2005, , .	0.4	2
100	Neutron Emission Spectra from Inelastic Scattering on $^{58,60}\text{Ni}$ with a White Neutron Source at FIGARO. AIP Conference Proceedings, 2005, , .	0.4	3
101	States in ^{197}Au from the $(n, n\hat{3})$ reaction. Physical Review C, 2005, 71, .	2.9	9
102	Neutron Multiplicity in the Fission of ^{238}U and ^{235}U with Neutrons up to 200 MeV. Physical Review Letters, 2005, 94, 052701.	7.8	43
103	Alignments in the odd-proton actinides ^{237}Np and ^{241}Am . Physical Review C, 2004, 70, .	2.9	32
104	Measurements and calculations of $^{238}\text{U}(n, n\hat{3})$ partial $\hat{3}$ -ray cross sections. Physical Review C, 2004, 69, .	2.9	44
105	High-spin spectroscopy and quasiparticle alignments in $^{124}, ^{125}\text{Ce}$. Physical Review C, 2004, 69, .	2.9	16
106	Nuclear structure studies with GEANIE at the LANSCE/WNR facility. AIP Conference Proceedings, 2004, , .	0.4	0
107	Neutron-induced reaction studies at FIGARO using a spallation source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 523, 102-115.	1.6	28
108	Role of ^4He charged-particle detector arrays in lifetime measurements by Doppler-shift attenuation methods: the Microball. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 523, 374-397.	1.6	11

#	ARTICLE	IF	CITATIONS
109	“Neutron Shell” a high efficiency array of neutron detectors for \hat{I}^3 -ray spectroscopic studies with Gammasphere. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 530, 473-492.	1.6	43
110	STUDY OF THE MASS AND CHARGE DISTRIBUTION OF FRAGMENTS FROM FISSION INDUCED BY INTERMEDIATE ENERGY NEUTRONS ON URANIUM 238. , 2004, , .		0
111	Angular correlation, spin alignment, and systematics of mis-matched $^{12}\text{C}+^{12}\text{C}$ inelastic scattering resonances. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 571, 155-162.	4.1	4
112	Prompt-fission-neutron average energy for $^{238}\text{U}(n,f)$ from threshold to 200 MeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 575, 221-228.	4.1	35
113	Transition strengths and band terminations in ^{86}Zr . Physical Review C, 2003, 67, .	2.9	12
114	Lifetime measurements and terminating structures in ^{87}Nb . Physical Review C, 2003, 67, .	2.9	8
115	“Complete” high-spin structure of ^{57}Co . Physical Review C, 2003, 67, .	2.9	12
116	High-spin structure of normal-deformed bands in ^{84}Zr . Physical Review C, 2003, 68, .	2.9	15
117	Nuclear structure of the closed subshell nucleus ^{90}Zr studied with the $(n,n\alpha^{2\hat{I}^3})$ reaction. Physical Review C, 2003, 68, .	2.9	28
118	Transition quadrupole moments in the superdeformed band of ^{40}Ca . Physical Review C, 2003, 67, .	2.9	40
119	Superdeformed bands in ^{80}Sr , ^{82}Y , ^{83}Zr : Transition quadrupole moments, moments of inertia, and configuration assignments. Physical Review C, 2003, 67, .	2.9	48
120	Temperature and $n^{\hat{I}^3}$ dependencies of the level-density parameter in Ni+Mo fusion reactions. Physical Review C, 2003, 67, .	2.9	25
121	Rotational structures near ^{40}La . Physical Review C, 2003, 68, .	2.9	12
122	New Approaches To Nuclear Level Densities Through Particle Emission Measurements. AIP Conference Proceedings, 2003, , .	0.4	0
123	FIGARO: MEASURING NEUTRON EMISSION SPECTRA WITH A WHITE NEUTRON SOURCE. , 2003, , .		2
124	Multiple Superdeformed Bands In Sr, Y, And Zr Nuclei. AIP Conference Proceedings, 2003, , .	0.4	1
125	EXPERIMENTAL STUDIES OF PROMPT NEUTRON AND PHOTON EMISSION IN INTERMEDIATE ENERGY NEUTRON-INDUCED FISSION. , 2003, , .		2
126	FAST-NEUTRON-INDUCED FISSION STUDIED BY GAMMA-SPECTROSCOPY. , 2003, , .		0

#	ARTICLE	IF	CITATIONS
127	COLLECTIVE STRUCTURES IN THE DOUBLY MAGIC NUCLEUS 40Ca. , 2003, , .		0
128	Rotational structures in ^{129}Nd and signature splitting systematics of the $\hat{1}/2h_{11/2}$ bands in $A \approx 130$ nuclei. <i>Physical Review C</i> , 2002, 65, .	2.9	19
129	Signature inversion in doubly odd ^{124}La . <i>Physical Review C</i> , 2002, 66, .	2.9	22
130	Prompt Proton Decay Scheme of ^{59}U . <i>Physical Review Letters</i> , 2002, 89, 022501.	7.8	25
131	Observation of excited states in the near-drip-line nucleus ^{125}Pr . <i>Physical Review C</i> , 2002, 66, .	2.9	11
132	Yrast spectroscopy of ^{60}Nd and systematics of the $\hat{1}/2h_{11/2}$ crossing in $A \approx 130$ nuclei. <i>Physical Review C</i> , 2002, 66, .	2.9	10
133	Rotational bands with terminating properties in ^{59}Ni . <i>Physical Review C</i> , 2002, 65, .	2.9	16
134	$^{239}\text{Pu}(n,2n)^{238}\text{Pu}$ cross section deduced using a combination of experiment and theory. <i>Physical Review C</i> , 2002, 65, .	2.9	20
135	High-spin structures and band termination effects in ^{104}Cd . <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2002, 28, 1415-1431.	3.6	7
136	Toward complete spectroscopy of ^{128}Pr and rotational structures in ^{126}Pr . <i>Physical Review C</i> , 2002, 65, .	2.9	25
137	The FIGARO Facility at Los Alamos: Capabilities and First Results. <i>Journal of Nuclear Science and Technology</i> , 2002, 39, 634-637.	1.3	1
138	Quadrupole Moments of Highly Deformed Structures in the $A \approx 135$ Region: Probing the Single-Particle Motion in a Rotating Potential. <i>Physical Review Letters</i> , 2002, 88, 152501.	7.8	26
139	Absolute Partial $\hat{1}^3$ -ray Cross Sections in $^{238}\text{U}(n, \text{xn})$ Reactions. <i>Journal of Nuclear Science and Technology</i> , 2002, 39, 234-237.	1.3	9
140	Intermediate-Energy Neutron-Induced Fission of Uranium: Product Yields and Isomer Studies. <i>Journal of Nuclear Science and Technology</i> , 2002, 39, 254-257.	1.3	3
141	Evolution of collectivity with spin in ^{81}Y . <i>Physical Review C</i> , 2002, 66, .	2.9	12
142	Nuclear structure in the vicinity of the $N = Z$ line in the $A = 90-100$ region. <i>European Physical Journal A</i> , 2002, 13, 9-14.	2.5	0
143	High-resolution in-beam particle spectroscopy –New results on prompt proton emission from ^{58}Cu . <i>European Physical Journal A</i> , 2002, 14, 137-146.	2.5	24
144	Study of reactions of fast neutrons with nuclei with FIGARO at LANSCE. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	0

#	ARTICLE	IF	CITATIONS
145	Nuclear physics with fast neutrons at LANSCE/WNR: GEANIE and FIGARO. AIP Conference Proceedings, 2001, , .	0.4	0
146	Excited states and deformation of ^{112}Xe . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 523, 13-21.	4.1	25
147	Measurement and analysis of quadruple ($\hat{I}\pm\hat{I}^3$) angular correlations for high spin states of ^{24}Mg . Nuclear Physics A, 2001, 682, 22-27.	1.5	7
148	Studying the role of nuclear structure effects in neutron-induced reactions using GEANIE at LANSCE. Nuclear Physics A, 2001, 682, 404-414.	1.5	4
149	Smooth band termination at high spin in ^{113}I . Physical Review C, 2001, 64, .	2.9	20
150	High-spin structures and alignment properties in ^{126}Ce . Physical Review C, 2001, 63, .	2.9	13
151	First evidence of excited states in the near-drip-line nucleus ^{126}Pr and signature inversion in $^{130}\text{Nuclei}$. Physical Review C, 2001, 63, .	2.9	19
152	Detailed spectroscopy of the chiral-twin candidate bands in ^{136}Pm . Physical Review C, 2001, 64, .	2.9	83
153	Identification of the $\hbar^2=10+Y_{\text{rast}}$ Rotational State in ^{24}g . Physical Review Letters, 2001, 87, 142502.	7.8	21
154	Prompt β -Decay of a Well-Deformed Band in ^{58}i . Physical Review Letters, 2001, 86, 1450-1453.	7.8	35
155	Superdeformation in the Doubly Magic Nucleus $^{204}\text{a}^{20}$. Physical Review Letters, 2001, 87, 222501.	7.8	184
156	Superdeformation in ^{91}Tc . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 492, 245-253.	4.1	10
157	Superdeformed and highly deformed bands in ^{65}Zn and neutron-proton interactions in Zn isotopes. Physical Review C, 2000, 62, .	2.9	35
158	β -ray spectroscopy in ^{111}Te . Physical Review C, 2000, 61, .	2.9	18
159	Excited states in ^{110}I and core polarization effects of the $11/2$ proton and neutron orbitals. Physical Review C, 2000, 62, .	2.9	6
160	Band structure of ^{68}Ge . Physical Review C, 2000, 63, .	2.9	31
161	Highly deformed rotational structures in ^{136}Pm . Physical Review C, 2000, 62, .	2.9	8
162	High-spin study of ^{113}Xe : β -Smooth band termination in valence space. Physical Review C, 2000, 61, .	2.9	13

#	ARTICLE	IF	CITATIONS
163	Structure of normally deformed states in ^{80}Sr . Physical Review C, 2000, 61, .	2.9	9
164	Yrast and near-yrast excitations up to high spin in ^{48}Cd . Physical Review C, 2000, 61, .	2.9	18
165	High-spin states in ^{109}Te : Competition between collective and single-particle excitations. Physical Review C, 2000, 61, .	2.9	21
166	High-spin study of ^{111}I . Physical Review C, 2000, 61, .	2.9	10
167	Collective structures and band termination in ^{107}Sb . Physical Review C, 2000, 62, .	2.9	12
168	Transition strengths in odd-odd ^{86}Nb . Physical Review C, 2000, 62, .	2.9	15
169	The A~130 Highly-Deformed Region: New Results and Global Differential Lifetime Measurements. , 2000, , 365-377.		0
170	Collective dipole bands in $^{110,112}\text{Te}$: Stability against magnetic rotation. , 1999, , .		0
171	Comparative lifetimes of superdeformed bands in $A \approx 1480$ Nuclei. , 1999, , .		0
172	Smooth band termination in the mass A=110 region. , 1999, , .		0
173	Highly deformed structures in the mass $A \approx 130$ region and their relative quadrupole moments. , 1999, , .		0
174	Relative quadrupole deformations for structures in odd proton Pr nuclei near mass. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 893-895.	3.6	3
175	Decay Out of the Doubly Magic Superdeformed Band in the N=Z Nucleus ^{260}O . Physical Review Letters, 1999, 82, 3400-3403.	7.8	99
176	Rotational Bands in the Doubly Magic Nucleus ^{56}I . Physical Review Letters, 1999, 82, 3763-3766.	7.8	139
177	Accurate Lifetime Measurements of Superdeformed Bands in $A \approx 1480$ Nuclei. Physical Review Letters, 1999, 83, 5447-5450.	7.8	20
178	Yrast spectroscopy of ^{54}Cr . Physical Review C, 1999, 61, .	2.9	11
179	Comparison of superdeformed bands in ^{61}Zn and ^{60}Zn : Possible evidence for T=0 pairing. Physical Review C, 1999, 60, .	2.9	37
180	New band structures and an unpaired crossing in ^{78}Kr . Physical Review C, 1999, 59, 655-664.	2.9	21

#	ARTICLE	IF	CITATIONS
181	Superdeformation in ^{68}Zn : Evidence for a New, Neutron-Rich Island of Superdeformation in $A \approx 70$ Nuclei. <i>Physical Review Letters</i> , 1999, 82, 5217-5220.	7.8	21
182	Relative quadrupole deformations for decoupled structures in the odd-odd ^{130}Pr and ^{132}Pr nuclei. <i>Physical Review C</i> , 1999, 59, 3076-3085.	2.9	18
183	Differential quadrupole moment measurements of the $1/2^+ [660] \pi (13/2^-)$ neutron intruder band in ^{133}Nd and ^{135}Nd . <i>Physical Review C</i> , 1999, 60, .	2.9	23
184	Collective excitations and band termination in ^{85}Nb . <i>Nuclear Physics A</i> , 1999, 645, 47-60.	1.5	12
185	High-spin shell-model states near ^{56}Ni . <i>European Physical Journal A</i> , 1999, 4, 115-145.	2.5	69
186	Favoured superdeformed states in ^{89}Tc . <i>European Physical Journal A</i> , 1999, 6, 251-255.	2.5	12
187	Observation of superdeformed states in ^{88}Mo . <i>European Physical Journal A</i> , 1999, 6, 391-397.	2.5	12
188	Quadrupole moment measurement of the highly deformed $\pi 9/2^+ \text{---} \pi 11/2^-$ band in ^{130}Pr . <i>European Physical Journal A</i> , 1998, 2, 249-251.	2.5	12
189	High-spin γ -ray spectroscopy in the vicinity of ^{56}Ni . <i>Nuclear Physics A</i> , 1998, 630, 417-425.	1.5	12
190	Superdeformation in $^{147,148}\text{Eu}$: Identical bands and $\pi 61^+ \text{---} \pi 63^-$ crossings. <i>Physical Review C</i> , 1998, 57, 2196-2204.	2.9	15
191	Lifetime measurements of normally deformed and superdeformed states in ^{82}Sr . <i>Physical Review C</i> , 1998, 57, 113-122.	2.9	11
192	Systematic survey of $\pi 4^-$ bifurcation in $A \approx 150$ superdeformed nuclei. <i>Physical Review C</i> , 1998, 58, R2649-R2653.	2.9	8
193	Superdeformation in ^{145}Sm . <i>Physical Review C</i> , 1998, 57, 442-444.	2.9	6
194	Prompt Proton Decay of a Well-Deformed Rotational Band in ^{58}Cu . <i>Physical Review Letters</i> , 1998, 80, 3018-3021.	7.8	97
195	Smooth Termination of Rotational Bands in $Z=62$ n: Evidence for a Loss of Collectivity. <i>Physical Review Letters</i> , 1998, 80, 2558-2561.	7.8	63
196	Lifetimes of states in the opposite-parity bands of ^{153}Eu : Recoil-distance measurements following Coulomb excitation. <i>Physical Review C</i> , 1998, 58, 3171-3180.	2.9	8
197	Triaxial superdeformed bands in ^{86}Zr . <i>Physical Review C</i> , 1998, 57, R1-R5.	2.9	31
198	Band structure in ^{79}Y and the question of $T=0$ pairing. <i>Physical Review C</i> , 1998, 58, R3037-R3041.	2.9	11

#	ARTICLE	IF	CITATIONS
199	$\frac{9}{2}$ structures in odd-odd ^{130}Pr and alignment processes in superdeformed praseodymium nuclei. <i>Physical Review C</i> , 1997, 56, R1210-R1214.	2.9	17
200	Systematics of even-even $T_z = 1$ nuclei in the $A = 80$ region: High-spin rotational bands in ^{74}Kr , ^{78}Sr , and ^{82}Zr . <i>Physical Review C</i> , 1997, 56, 98-117.	2.9	83
201	Interband Transitions between Superdeformed Bands in ^{87}Nb : Evidence for a Superintruder Orbital. <i>Physical Review Letters</i> , 1997, 78, 614-617.	7.8	16
202	Observation and Quadrupole-Moment Measurement of the First Superdeformed Band in the $A \approx 140$ Mass Region. <i>Physical Review Letters</i> , 1997, 79, 1233-1236.	7.8	91
203	Proton orbital effects in the second minimum of doubly odd ^{132}Pr . <i>Physical Review C</i> , 1997, 55, R985-R989.	2.9	12
204	$I^\pi = 4^-$ Bifurcation in Identical Superdeformed Bands. <i>Physical Review Letters</i> , 1997, 78, 3447-3450.	7.8	40
205	Search for linking transitions in ^{143}Eu . <i>Physical Review C</i> , 1997, 56, R1671-R1674.	2.9	4
206	Superdeformed bands in ^{80}Sr and the evolution of deformation in Sr isotopes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 415, 328-334.	4.1	15
207	High-spin states in the $T_z = \pm 1/2$ nucleus ^{55}Ni . <i>Zeitschrift für Physik A</i> , 1997, 358, 379-380.	0.9	9
208	Signature inversion in odd-odd deformed nuclei. <i>Progress in Particle and Nuclear Physics</i> , 1997, 38, 251-261.	14.4	14
209	Quadrupole and octupole collectivity in ^{148}Nd . <i>Nuclear Physics A</i> , 1997, 619, 213-240.	1.5	27
210	High-spin states in odd-odd ^{164}Lu . <i>Nuclear Physics A</i> , 1996, 608, 77-105.	1.5	10
211	The microball Design, instrumentation and response characteristics of a 4π -multidetector exit channel-selection device for spectroscopic and reaction mechanism studies with Gammasphere. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 381, 418-432.	1.6	228
212	Simulated response characteristics of Gammasphere. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 383, 506-512.	1.6	46
213	Forking and unusual decay out of superdeformed bands in ^{83}Zr . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 389, 463-469.	4.1	12
214	Search for hyperdeformation in $^{146,147}\text{Gd}$. <i>Physical Review C</i> , 1996, 54, 1585-1588.	2.9	20
215	Sub-barrier transfer reactions in $^{58}\text{Ni} + ^{162}\text{Dy}$. <i>Physical Review C</i> , 1996, 53, 2900-2910.	2.9	5
216	Multiple superdeformed bands in ^{132}Nd . <i>Physical Review C</i> , 1996, 54, R969-R972.	2.9	11

#	ARTICLE	IF	CITATIONS
217	A kinematic-coincidence detector system for sub-barrier heavy-ion reaction studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 357, 467-476.	1.6	2
218	Population of collective bands in Dy isotopes using heavy ion induced transfer reactions. Physical Review C, 1995, 52, 1934-1939.	2.9	7
219	Prompt and isomeric fission of Pu isotopes following heavy-ion induced transfer reactions. Physical Review C, 1995, 51, 1025-1028.	2.9	1
220	Excitation-energy partition in quasielastic transfer reactions at near barrier energies. Physical Review C, 1995, 51, 173-177.	2.9	5
221	Spectroscopy of Pu ^{238,239} studied by quasielastic reactions. Physical Review C, 1993, 47, 2178-2184.	2.9	8
222	Octupole collectivity in the ground band of Nd ¹⁴⁸ . Physical Review Letters, 1993, 71, 1990-1993.	7.8	38
223	Lifetime of the $31\hat{+}$ state and octupole collectivity in Zr ⁹⁶ . Physical Review C, 1993, 48, R2131-R2134.	2.9	16
224	Half-life of the $21+$ state of Zr ⁹⁴ . Physical Review C, 1993, 48, 433-435.	2.9	8