

Matthew Devlin

List of Publications by Year in descending order

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224
papers

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159585

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52
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232
all docs

232
docs citations

232
times ranked

1869
citing authors

#	ARTICLE	IF	CITATIONS
1	Bright Laser-Driven Neutron Source Based on the Relativistic Transparency of Solids. <i>Physical Review Letters</i> , 2013, 110, 044802.	7.8	271
2	“The microball” Design, instrumentation and response characteristics of a 4 π -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
3	Superdeformation in the Doubly Magic Nucleus ^{20}C . <i>Physical Review Letters</i> , 2001, 87, 222501.	7.8	184
4	Rotational Bands in the Doubly Magic Nucleus ^{56}Ni . <i>Physical Review Letters</i> , 1999, 82, 3763-3766.	7.8	139
5	Decay Out of the Doubly Magic Superdeformed Band in the $N=Z$ Nucleus ^{60}Zn . <i>Physical Review Letters</i> , 1999, 82, 3400-3403.	7.8	99
6	Prompt Proton Decay of a Well-Deformed Rotational Band in ^{58}Cu . <i>Physical Review Letters</i> , 1998, 80, 3018-3021.	7.8	97
7	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
8	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
9	Detailed spectroscopy of the chiral-twin candidate bands in ^{136}Pm . <i>Physical Review C</i> , 2001, 64, .	2.9	83
10	High-spin shell-model states near ^{56}Ni . <i>European Physical Journal A</i> , 1999, 4, 115-145.	2.5	69
11	Smooth Termination of Rotational Bands in ^{62}n : Evidence for a Loss of Collectivity. <i>Physical Review Letters</i> , 1998, 80, 2558-2561.	7.8	63
12	Superdeformed bands in ^{80}Sr , ^{82}Y , ^{83}Zr , ^{84}Zr : Transition quadrupole moments, moments of inertia, and configuration assignments. <i>Physical Review C</i> , 2003, 67, .	2.9	48
13	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
14	Measurements and calculations of $^{238}\text{U}(n, \text{xn})^{237}\text{U}$ partial β -ray cross sections. <i>Physical Review C</i> , 2004, 69, .	2.9	44
15	“Neutron Shell” a high efficiency array of neutron detectors for β -ray spectroscopic studies with Gammasphere. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 530, 473-492.	1.6	43
16	Neutron Multiplicity in the Fission of ^{238}U and ^{235}U with Neutrons up to 200 MeV. <i>Physical Review Letters</i> , 2005, 94, 052701.	7.8	43
17	Characterization of a novel, short pulse laser-driven neutron source. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	43
18	$I^{\pi} = 4$ Bifurcation in Identical Superdeformed Bands. <i>Physical Review Letters</i> , 1997, 78, 3447-3450.	7.8	40

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19	Transition quadrupole moments in the superdeformed band of ^{40}Ca . <i>Physical Review C</i> , 2003, 67, .	2.9	40
20	The Prompt Fission Neutron Spectrum of $^{235}\text{U}(n, f)$ below 2.5 MeV for Incident Neutrons from 0.7 to 20 MeV. <i>Nuclear Data Sheets</i> , 2018, 148, 322-337.	2.2	40
21	Octupole collectivity in the ground band of ^{148}Nd . <i>Physical Review Letters</i> , 1993, 71, 1990-1993.	7.8	38
22	Comparison of superdeformed bands in ^{61}Zn and ^{60}Zn : Possible evidence for $T=0$ pairing. <i>Physical Review C</i> , 1999, 60, .	2.9	37
23	Superdeformed and highly deformed bands in ^{65}Zn and neutron-proton interactions in Zn isotopes. <i>Physical Review C</i> , 2000, 62, .	2.9	35
24	Prompt \pm Decay of a Well-Deformed Band in ^{58}i . <i>Physical Review Letters</i> , 2001, 86, 1450-1453.	7.8	35
25	Prompt-fission-neutron average energy for $^{238}\text{U}(n, f)$ from threshold to 200 MeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 575, 221-228.	4.1	35
26	Multiple-scattering Corrections to Measurements of the Prompt Fission Neutron Spectrum. <i>Nuclear Data Sheets</i> , 2015, 123, 135-139.	2.2	34
27	The SPIDER fission fragment spectrometer for fission product yield measurements. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 788, 59-66.	1.6	33
28	Alignments in the odd-proton actinides ^{237}Np and ^{241}Am . <i>Physical Review C</i> , 2004, 70, .	2.9	32
29	Neutron imaging with the short-pulse laser driven neutron source at the Trident laser facility. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	32
30	Triaxial superdeformed bands in ^{86}Zr . <i>Physical Review C</i> , 1998, 57, R1-R5.	2.9	31
31	Band structure of ^{68}Ge . <i>Physical Review C</i> , 2000, 63, .	2.9	31
32	Measurement of prompt neutron spectra from the $^{239}\text{Pu}(n, f)$ reaction for incident neutron energies from 1 to 200 MeV. <i>Physical Review C</i> , 2014, 89, .	2.9	30
33	Li-glass detector response study with a ^{252}Cf source for low-energy prompt fission neutrons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 703, 213-219.	1.6	29
34	Nuclear structure of the closed subshell nucleus ^{90}Zr studied with the $(n, n\alpha^{213})$ reaction. <i>Physical Review C</i> , 2003, 68, .	2.9	28
35	Neutron-induced reaction studies at FIGARO using a spallation source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 523, 102-115.	1.6	28
36	Quadrupole and octupole collectivity in ^{148}Nd . <i>Nuclear Physics A</i> , 1997, 619, 213-240.	1.5	27

#	ARTICLE	IF	CITATIONS
37	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
38	Probing δ^2 cross-shell interactions via terminating configurations in $^{42,43}\text{Sc}$. <i>Physical Review C</i> , 2007, 75, .	2.9	26
39	Measurement of the prompt fission neutron spectra from fission induced by 1 to 8 MeV neutrons on ^{235}U and ^{239}Pu . <i>Physical Review C</i> , 2020, 102, .	2.9	26
40	Excited states and deformation of ^{112}Xe . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 523, 13-21.	4.1	25
41	Prompt Proton Decay Scheme of ^{59}Cu . <i>Physical Review Letters</i> , 2002, 89, 022501.	7.8	25
42	Toward complete spectroscopy of ^{128}Pr and rotational structures in ^{126}Pr . <i>Physical Review C</i> , 2002, 65, .	2.9	25
43	Temperature and δ^2 asymmetry dependencies of the level-density parameter in Ni+Mo fusion reactions. <i>Physical Review C</i> , 2003, 67, .	2.9	25
44	Measurement of the prompt fission neutron spectrum from 10 keV to 10 MeV induced by neutrons of energy $1 \leq E \leq 20$ MeV. <i>Physical Review C</i> , 2020, 102, .	2.9	25
45	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
46	Evaluations of Energy Spectra of Neutrons Emitted Promptly in Neutron-induced Fission of ^{235}U and ^{239}Pu . <i>Nuclear Data Sheets</i> , 2018, 148, 293-311.	2.2	24
47	Differential quadrupole moment measurements of the $1/2^+ [660] \hat{a}_2 (i13/2)$ neutron intruder band in ^{133}Nd and ^{135}Nd . <i>Physical Review C</i> , 1999, 60, .	2.9	23
48	Signature inversion in doubly odd ^{124}La . <i>Physical Review C</i> , 2002, 66, .	2.9	22
49	Effect of preequilibrium spin distribution on $^{48}\text{Ti} + n$ cross sections. <i>Physical Review C</i> , 2007, 75, .	2.9	22
50	A multiple parallel-plate avalanche counter for fission-fragment detection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 794, 76-79. https://doi.org/10.1016/j.nima.2015.07.011	1.6	22
51	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.	7.8	22
52	New band structures and an unpaired crossing in ^{78}Kr . <i>Physical Review C</i> , 1999, 59, 655-664.	2.9	21
53	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
54	High-spin states in ^{109}Te : Competition between collective and single-particle excitations. <i>Physical Review C</i> , 2000, 61, .	2.9	21

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73	Rotational bands with terminating properties in ^{59}Ni . <i>Physical Review C</i> , 2002, 65, .	2.9	16
74	High-spin spectroscopy and quasiparticle alignments in $^{124,125}\text{Ce}$. <i>Physical Review C</i> , 2004, 69, .	2.9	16
75	The LANL/LLNL Prompt Fission Neutron Spectrum Program at LANSCE and Approach to Uncertainties. <i>Nuclear Data Sheets</i> , 2015, 123, 130-134.	2.2	16
76	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
77	Superdeformation in $^{147,148}\text{Eu}$: identical bands and $^{\infty}63$ crossings. <i>Physical Review C</i> , 1998, 57, 2196-2204.	2.9	15
78	Transition strengths in odd-odd ^{86}Nb . <i>Physical Review C</i> , 2000, 62, .	2.9	15
79	High-spin structure of normal-deformed bands in ^{84}Zr . <i>Physical Review C</i> , 2003, 68, .	2.9	15
80	Gamma-Ray Production Cross Sections in Multiple Channels for Neutron-Induced Reaction on ^{48}Ti for $E_n = 1$ to 200 MeV. <i>Nuclear Science and Engineering</i> , 2007, 157, 65-77.	1.1	15
81	Feeding of the ^{111}Ir and ^{197}Au in stable Ir and Au isotopes. <i>Physical Review C</i> , 2009, 80, .	2.9	15
82	Prompt energy distribution of $^{235}\text{U}(n,f)$ at bombarding energies of $1 \leq E_n \leq 20$ MeV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 688, 55-61.	1.6	15
83	Numerical integration of detector response functions via Monte Carlo simulations. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 866, 182-189.	1.6	15
84	Signature inversion in odd-odd deformed nuclei. <i>Progress in Particle and Nuclear Physics</i> , 1997, 38, 251-261.	14.4	14
85	New levels and a lifetime measurement in ^{202}Tl . <i>Physical Review C</i> , 2007, 76, .	2.9	14
86	Two detector arrays for fast neutrons at LANSCE. <i>Journal of Instrumentation</i> , 2012, 7, C03028-C03028.	1.2	14
87	High-spin study of ^{113}Xe : smooth band termination in valence space. <i>Physical Review C</i> , 2000, 61, .	2.9	13
88	High-spin structures and alignment properties in ^{126}Ce . <i>Physical Review C</i> , 2001, 63, .	2.9	13
89	$^{\infty}\gamma$ -ray spectroscopy of neutron-deficient ^{110}Te . II. High-spin smooth-terminating structures. <i>Physical Review C</i> , 2007, 76, .	2.9	13
90	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

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91	Proton orbital effects in the second minimum of doubly odd ^{132}Pr . <i>Physical Review C</i> , 1997, 55, R985-R989.	2.9	12
92	Quadrupole moment measurement of the highly deformed $\tilde{\epsilon}_g 9/2^{\tilde{S}}-\tilde{I}1/2$ band in ^{130}Pr . <i>European Physical Journal A</i> , 1998, 2, 249-251.	2.5	12
93	High-spin \hat{I}^3 -ray spectroscopy in the vicinity of ^{56}Ni . <i>Nuclear Physics A</i> , 1998, 630, 417-425.	1.5	12
94	Collective excitations and band termination in ^{85}Nb . <i>Nuclear Physics A</i> , 1999, 645, 47-60.	1.5	12
95	Favoured superdeformed states in ^{89}Tc . <i>European Physical Journal A</i> , 1999, 6, 251-255.	2.5	12
96	Observation of superdeformed states in ^{88}Mo . <i>European Physical Journal A</i> , 1999, 6, 391-397.	2.5	12
97	Collective structures and band termination in ^{107}Sb . <i>Physical Review C</i> , 2000, 62, .	2.9	12
98	Evolution of collectivity with spin in ^{81}Y . <i>Physical Review C</i> , 2002, 66, .	2.9	12
99	Transition strengths and band terminations in ^{86}Zr . <i>Physical Review C</i> , 2003, 67, .	2.9	12
100	Complete high-spin structure of ^{57}Co . <i>Physical Review C</i> , 2003, 67, .	2.9	12
101	Rotational structures near 40° in ^{123}La . <i>Physical Review C</i> , 2003, 68, .	2.9	12
102	^{148}Gd production cross section measurements for 600- and 800-MeV protons on tantalum, tungsten, and gold. <i>Nuclear Physics A</i> , 2005, 760, 225-233.	1.5	12
103	Magnetic properties of smooth terminating dipole bands in $^{110,112}\text{Te}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 636, 25-30.	4.1	12
104	Smooth terminating bands in ^{112}Te : Particle-hole induced collectivity. <i>Physical Review C</i> , 2007, 75, .	2.9	12
105	High-spin states in ^{135}Xe . <i>Physical Review C</i> , 2007, 75, .	2.9	12
106	Total neutron cross-sections for rare isotopes using a digital-signal-processing technique: Case study ^{48}Ca . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 614, 468-474. www.w3.org/1998/Math/MathML" id="mml63"	1.6	12
107	chamber and http://www.w3.org/1998/Math/MathML" id="mml63"	1.6	12
108	Multiple superdeformed bands in ^{132}Nd . <i>Physical Review C</i> , 1996, 54, R969-R972.	2.9	11

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109	Lifetime measurements of normally deformed and superdeformed states in ^{82}Sr . <i>Physical Review C</i> , 1998, 57, 113-122.	2.9	11
110	Band structure in ^{79}Y and the question of $T=0$ pairing. <i>Physical Review C</i> , 1998, 58, R3037-R3041.	2.9	11
111	Yrast spectroscopy of ^{54}Cr . <i>Physical Review C</i> , 1999, 61, .	2.9	11
112	Observation of excited states in the near-drip-line nucleus ^{125}Pr . <i>Physical Review C</i> , 2002, 66, .	2.9	11
113	Role of 4π charged-particle detector arrays in lifetime measurements by Doppler-shift attenuation methods: the Microball. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 523, 374-397.	1.6	11
114	New levels and a lifetime measurement in ^{204}Tl . <i>Physical Review C</i> , 2008, 77, .	2.9	11
115	Differential Cross Section Measurements for the $^{6}\text{Li}(n,t)^{3}\text{He}$ Reaction in the Few MeV Region. , 2009, ,		11
116	Partial \hat{I}^3 -ray production cross sections for $(\text{Tj ETQ}0000\text{rgBT}/\text{Overlock } 10\text{Tf } 5$	2.9	11
117	Measurement of the ^{235}U prompt fission neutron spectrum from 10 keV to 10 MeV induced by neutrons of energy from 1 MeV to 20 MeV. <i>Physical Review C</i> , 2022, 105, .	2.9	11
118	High-spin states in odd-odd ^{164}Lu . <i>Nuclear Physics A</i> , 1996, 608, 77-105.	1.5	10
119	Superdeformation in ^{91}Tc . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 492, 245-253.	4.1	10
120	High-spin study of ^{111}I . <i>Physical Review C</i> , 2000, 61, .	2.9	10
121	Yrast spectroscopy of ^{60}Nd and systematics of the $1/2^+_{11/2}$ crossing in $A \approx 130$ nuclei. <i>Physical Review C</i> , 2002, 66, .	2.9	10
122	High-spin spectrum of ^{24}Mg studied through multiparticle angular correlations. <i>Physical Review C</i> , 2012, 85, .	2.9	10
123	High-spin states in the $T_z = \hat{a}^{1/2}$ nucleus ^{55}Ni . <i>Zeitschrift für Physik A</i> , 1997, 358, 379-380.	0.9	9
124	Structure of normally deformed states in ^{80}Sr . <i>Physical Review C</i> , 2000, 61, .	2.9	9
125	Absolute Partial \hat{I}^3 -ray Cross Sections in $^{238}\text{U}(\text{i}^n, \text{xny})$ Reactions. <i>Journal of Nuclear Science and Technology</i> , 2002, 39, 234-237.	1.3	9
126	First observation of very neutron-deficient ^{122}Ce . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 625, 203-211.	4.1	9

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127	Cross-Section Standards for Neutron-Induced Gamma-Ray Production in the MeV Energy Range. AIP Conference Proceedings, 2005, , .	0.4	9
128	States in Au ¹⁹⁷ from the (n,n ⁰) reaction. Physical Review C, 2005, 71, .	2.9	9
129	Excited states and signature inversion in Cs ¹¹⁶ . Physical Review C, 2006, 74, .	2.9	9
130	β -ray spectroscopy of neutron-deficient ^{110}Te . I. Low- and intermediate-spin structures. Physical Review C, 2007, 76, .	2.9	9
131	Spectroscopy of Pu ^{238,239} studied by quasielastic reactions. Physical Review C, 1993, 47, 2178-2184.	2.9	8
132	Half-life of the 21^+ state of Zr ⁹⁴ . Physical Review C, 1993, 48, 433-435.	2.9	8
133	Systematic survey of $I=4$ bifurcation in $A \approx 150$ superdeformed nuclei. Physical Review C, 1998, 58, R2649-R2653.	2.9	8
134	Lifetimes of states in the opposite-parity bands of ¹⁵³ Eu: Recoil-distance measurements following Coulomb excitation. Physical Review C, 1998, 58, 3171-3180.	2.9	8
135	Highly deformed rotational structures in ¹³⁶ Pm. Physical Review C, 2000, 62, .	2.9	8
136	Lifetime measurements and terminating structures in ⁸⁷ Nb. Physical Review C, 2003, 67, .	2.9	8
137	First 3^+ excited state of Fe ⁵⁶ . Physical Review C, 2010, 81, .	2.9	8
138	Low-spin states in ⁸⁶ Kr from the fast neutron-induced reactions on ⁸⁶ Kr. Physical Review C, 2013, 87, .	2.9	8
139	Validating (d,p) as a Surrogate for Neutron Capture. EPJ Web of Conferences, 2015, 93, 02012.	0.3	8
140	Applications of C ¹² in fast neutron-induced reactions on ⁶⁴ Ni. Physical Review C, 2013, 87, .	2.9	8
141	The analysis of shape data including normalization and the impact on prompt fission neutron spectrum measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 943, 162449.	1.6	8
142	Applications of C ¹² LYC scintillators in fast neutron spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161123.	1.6	8
143	Population of collective bands in Dy isotopes using heavy ion induced transfer reactions. Physical Review C, 1995, 52, 1934-1939.	2.9	7
144	Measurement and analysis of quadruple ($1^+1^+3^+$) angular correlations for high spin states of ²⁴ Mg. Nuclear Physics A, 2001, 682, 22-27.	1.5	7

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145	High-spin structures and band termination effects in ^{104}Cd . Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 1415-1431.	3.6	7
146	Measurements of the Prompt Fission Neutron Spectrum at LANSCE: The Chi-Nu Experiment. EPJ Web of Conferences, 2018, 193, 03003.	0.3	7
147	High resolution measurement of tagged two-neutron energy and angle correlations in Cf^{252} (sf). Physical Review C, 2019, 100, .	2.9	7
148	Prompt fission product yields in the ^{238}U reaction. Physical Review C, 2019, 99, .	2.9	7
149	Superdeformation in ^{145}Sm . Physical Review C, 1998, 57, 442-444.	2.9	6
150	Excited states in ^{110}La and core polarization effects of the $11/2^-$ proton and neutron orbitals. Physical Review C, 2000, 62, .	2.9	6
151	New Millisecond Isomer Lifetime Measurements at LANSCE. Nuclear Data Sheets, 2014, 120, 48-51.	2.2	6
152	New transitions and feeding of the ^{186}Re isomer. Physical Review C, 2015, 92, .	2.9	6
153	Utilization of MCNP 6 implicit-capture simulations for quantification of systematic uncertainties from experimental environments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161411.	1.6	6
154	Comparison of Results from Recent NNSA and CEA Measurements of the $^{239}\text{Pu}(n, f)$ Prompt Fission Neutron Spectrum. Nuclear Data Sheets, 2021, 173, 42-53.	2.2	6
155	Excitation-energy partition in quasielastic transfer reactions at near barrier energies. Physical Review C, 1995, 51, 173-177.	2.9	5
156	Sub-barrier transfer reactions in $^{58}\text{Ni}+^{162}\text{Dy}$. Physical Review C, 1996, 53, 2900-2910.	2.9	5
157	Ethvignotet Åal.Reply:. Physical Review Letters, 2008, 101, .	7.8	5
158	$(n,2n)$ 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
159	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
160	Neutron inelastic scattering in natural Cu as a background in neutrinoless double- β decay experiments. Physical Review C, 2013, 87, .	2.9	5
161	Errors introduced in fission neutron spectrum measurements using a single reference. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1010, 165552.	1.6	5
162	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

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163	Search for linking transitions in ^{143}Eu . <i>Physical Review C</i> , 1997, 56, R1671-R1674.	2.9	4
164	Studying the role of nuclear structure effects in neutron-induced reactions using GEANIE at LANSCE. <i>Nuclear Physics A</i> , 2001, 682, 404-414.	1.5	4
165	Angular correlation, spin alignment, and systematics of mis-matched $^{12}\text{C}+^{12}\text{C}$ inelastic scattering resonances. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 571, 155-162.	4.1	4
166	Neutron induced inelastic cross-sections of ^{150}Sm for $E_n=1\text{--}35\text{MeV}$. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 261, 948-952.	1.4	4
167	Feeding of Rh and Ag isomers in fast-neutron-induced reactions. <i>Physical Review C</i> , 2016, 94, .	2.9	4
168	New prompt fission neutron spectra measurements in the $^{238}\text{U}(n,f)$ reaction with a dedicated setup at LANSCE/WNR. <i>EPJ Web of Conferences</i> , 2017, 146, 04014.	0.3	4
169	PROMPT FISSION NEUTRON SPECTRUM STUDY AT LANSCE: CHI-NU PROJECT. , 2013, , . Correlated $\langle \cos\theta \rangle$ angular distributions from the $^{238}\text{U}(n,f)$ reaction		4
170	angular distributions from the $^{238}\text{U}(n,f)$ reaction $\langle \cos\theta \rangle = 0.4398$		4
171	Relative quadrupole deformations for structures in odd proton Pr nuclei near mass. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1999, 25, 893-895.	3.6	3
172	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
173	Neutron Emission Spectra from Inelastic Scattering on $^{58,60}\text{Ni}$ with a White Neutron Source at FIGARO. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	3
174	\hat{I}^3 -ray spectroscopy of neutron-deficient ^{123}Ce . <i>Physical Review C</i> , 2012, 86, .	2.9	3
175	Development of Neutron Detector Arrays for Neutron-Induced Reaction Measurements. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 879-884.	2.0	3
176	First Results on $^{238}\text{U}(n,f)$ Prompt Fission Neutron Spectra from 1 to 200 MeV incident neutron energy. <i>EPJ Web of Conferences</i> , 2018, 193, 03002.	0.3	3
177	A kinematic-coincidence detector system for sub-barrier heavy-ion reaction studies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 357, 467-476.	1.6	2
178	FIGARO: MEASURING NEUTRON EMISSION SPECTRA WITH A WHITE NEUTRON SOURCE. , 2003, , .		2
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