

Andreas Zilges

List of Publications by Year in descending order

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275
papers

7,612
citations

44069

48
h-index

76900

74
g-index

279
all docs

279
docs citations

279
times ranked

1976
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of nuclear structure by resonance fluorescence scattering. Progress in Particle and Nuclear Physics, 1996, 37, 349-433.	14.4	394
2	Experimental studies of the Pygmy Dipole Resonance. Progress in Particle and Nuclear Physics, 2013, 70, 210-245.	14.4	348
3	Isospin Character of the Pygmy Dipole Resonance in ^{124}Sn . Physical Review Letters, 2010, 105, 212503.	7.8	160
4	Concentration of electric dipole strength below the neutron separation energy in N=82 nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 542, 43-48.	4.1	140
5	Low-lying dipole modes in vibrational nuclei studied by photon scattering. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, R217-R252.	3.6	134
6	The photoresponse of stable nuclei below 10 MeV. Nuclear Physics A, 2006, 779, 1-20.	1.5	131
7	Nature of the Pygmy Dipole Resonance in ^{140}Ce Studied in $(\hat{I}_{\pm}, \hat{I}_{\pm} \hat{\epsilon}^2 \hat{I}_{\pm}^3)$ Experiments. Physical Review Letters, 2006, 97, 172502.	7.8	130
8	Microscopic Nature of the Pygmy Dipole Resonance: The Stable Ca Isotopes. Physical Review Letters, 2004, 93, 192501.	7.8	125
9	Photoactivation of ^{180}Tm and Its Implications for the Nucleosynthesis of Nature's Rarest Naturally Occurring Isotope. Physical Review Letters, 1999, 83, 5242-5245.	7.8	121
10	Fine Structure of the Pygmy Dipole Resonance in ^{136}Xe . Physical Review Letters, 2008, 100, 232501.	7.8	111
11	CologneAMS, a dedicated center for accelerator mass spectrometry in Germany. Nuclear Instruments & Methods in Physics Research B, 2013, 294, 18-23.	1.4	98
12	Low-energy photon scattering off $^{142,146,148,150}\text{Nd}$: An investigation in the mass region of a nuclear shape transition. Nuclear Physics A, 1990, 509, 587-604.	1.5	94
13	A survey of $K=0$ dipole transitions from low lying $J=1$ states in rare earth nuclei. Zeitschrift für Physik A, 1991, 340, 155-158.	0.9	93
14	Beyond the neutron drip line: The unbound oxygen isotopes ^{25}O and ^{26}O . Physical Review C, 2013, 88, .	2.9	93
15	Systematics of the excitation energy of the 1^+ scissors mode and its empirical dependence on the nuclear deformation parameter. Physical Review C, 1998, 58, 184-190.	2.9	92
16	Systematics of low-lying dipole strengths in odd and even Dy and Gd isotopes. Physical Review C, 1995, 52, 2429-2443.	2.9	89
17	Deformation dependence of low lying $M1$ strengths in even Nd isotopes. Physical Review C, 1993, 47, 1474-1477.	2.9	87
18	Photo-induced depopulation of the ^{180}Tm isomer via low-lying intermediate states: Structure and astrophysical implications. Physical Review C, 2002, 65, .	2.9	85

#	ARTICLE	IF	CITATIONS
19	The electron ϵ ion scattering experiment ELISE at the International Facility for Antiproton and Ion Research (FAIR) ϵ A conceptual design study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, 60-76.	1.6	85
20	First Observation of the Scissors Mode in $\hat{1}^3$ -Soft Nucleus: The Case of ^{196}Pt . Physical Review Letters, 1996, 76, 2029-2032.	7.8	82
21	Dipole and electric quadrupole excitations in $^{40,48}\text{Ca}$. Physical Review C, 2002, 65, .	2.9	80
22	Measurement of the Dipole and Electric Quadrupole Strength Distributions up to 10 MeV in the Doubly Magic Nuclei ^{40}Ca and ^{48}Ca . Physical Review Letters, 2000, 85, 274-277.	7.8	77
23	Fine structure of the E1 response in ^{140}Ce below the particle threshold. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 390, 49-54.	4.1	76
24	Real photon scattering up to 10 MeV: the improved facility at the Darmstadt electron accelerator S-DALINAC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 423, 480-488.	1.6	75
25	Ba 138 and 140 . Physical Review C, 1995, 51, 1021-1024.	2.9	74
26	Absolute level widths in ^{140}Ce below 4 MeV. Physical Review C, 1995, 51, 1021-1024.	2.9	70
27	Fragmentation and systematics of the pygmy dipole resonance in the stable ^{132}Te . Physical Review C, 2011, 84, .	2.9	70
28	^{132}Te . Physical Review C, 2011, 84, .	2.9	69
29	Reactions on Oxygen Isotopes: Observation of Isospin Independence of the Reduced Single-Particle Strength. Physical Review Letters, 2018, 120, 052501.	7.8	69
30	First observation of scissors mode states in an odd-mass nucleus. Physical Review Letters, 1993, 71, 975-978.	7.8	65
31	Correlation between low-lying M1 and E2 strength in heavy rare earth nuclei. Physical Review C, 1995, 52, R2317-R2321.	2.9	65
32	Experimental simulation of a stellar photon bath by bremsstrahlung: the astrophysical $\hat{1}^3$ -process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 488, 127-130.	4.1	64
33	Observation of the 1^+ scissors mode in the $\hat{1}^3$ -soft nucleus ^{134}Ba . Physical Review C, 1996, 54, R2129-R2133.	2.9	62
34	Two-phonon $J = 1$ states in even-mass Te isotopes with $A = 122$ to 130 . Nuclear Physics A, 1997, 620, 277-295.	1.5	62
35	Measurement of the $(\hat{1}^3, n)$ cross section of the nucleus ^{197}Au close above the reaction threshold. Nuclear Physics A, 2002, 707, 241-252.	1.5	62
36	Measurement of the $(\hat{1}^3, n)$ reaction rates of the nuclides ^{190}Pt , ^{192}Pt , and ^{198}Pt in the astrophysical $\hat{1}^3$ process. Physical Review C, 2001, 63, .	2.9	61

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37	The Darmstadt High-Intensity Photon Setup (DHIPS) at the S-DALINAC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 640, 6-12.	1.6	61
38	Systematics of low-lying dipole excitations in the deformed even-even nuclei Er164,166,168,170. Physical Review C, 1996, 53, 2749-2762.	2.9	60
39	$\Pr(^{141}\text{Tm} \rightarrow ^{141}\text{Er}) = 0.784314$	2.9	60
40	Lifetimes of two-phonon $1\pi^+$ states in even $N = 82$ nuclei. Nuclear Physics A, 1995, 592, 211-220.	1.5	59
41	Photonuclear reactions – From basic research to applications. Progress in Particle and Nuclear Physics, 2022, 122, 103903.	14.4	58
42	Observation of low-lying collective dipole transitions in the rare-earth nuclei $^{172,174,176}\text{Yb}$. Nuclear Physics A, 1990, 507, 399-412.	1.5	57
43	Structure of the pygmy dipole resonance in ^{124}Sn . Physical Review C, 2012, 85, .	2.9	56
44	Perspectives for photonuclear research at the Extreme Light Infrastructure - Nuclear Physics (ELI-NP) facility. European Physical Journal A, 2015, 51, 1.	2.5	56
45	$^{92}\text{Mo}(\pi, \pi^{\pm})^{92}\text{Mo}$ scattering, the $^{92}\text{Mo}(\pi, \pi^{\pm})$ optical potential, and the $^{96}\text{Ru}(\pi^3, \pi^{\pm})^{92}\text{Mo}$ reaction rate at astrophysically relevant energies. Physical Review C, 2001, 64, .	2.9	55
46	The YRAST Ball array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 452, 431-439.	1.6	52
47	Thesis – Process Branching at ^{185}W . Astrophysical Journal, 2003, 583, 506-513.	4.5	52
48	Direct proof of the two-phonon character of the dipole excitations in ^{142}Nd and ^{144}Sm around 3.5 MeV. Physical Review C, 1996, 54, R449-R453.	2.9	49
49	Two-phonon character of the lowest electric dipole excitation in ^{142}Nd and in other nuclei near shell closures. Physical Review C, 1998, 57, 577-582.	2.9	49
50	Direct determination of photodisintegration cross sections and the p-process. Nuclear Physics A, 2006, 777, 459-478.	1.5	48
51	The high-efficiency spectroscopy setup at. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 723, 136-142.	1.6	48
52	A sectored Ge-Compton polarimeter for parity assignments in photon scattering experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 337, 416-426.	1.6	47
53	Evidence for enhanced electric dipole excitations in deformed rare earth nuclei near 2.5 MeV. Physical Review C, 1992, 45, R892-R895.	2.9	46
54	Isospin properties of electric dipole excitations in ^{48}Ca . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 288-292.	4.1	46

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55	Systematics of low-lying electric dipole excitations in the $A \approx 130$ –200 mass region. <i>Physical Review C</i> , 1998, 57, 129-133.	2.9	44
56	Elastic $\hat{\pm}$ scattering on ^{112}Sn and ^{124}Sn at astrophysically relevant energies. <i>Physical Review C</i> , 2005, 71, .	2.9	44
57	First identification of dipole excitations to a $2^+ \rightarrow 3^+$ particle multiplet in an odd- A nucleus. <i>Physical Review Letters</i> , 1993, 70, 2880-2883.	7.8	43
58	Photoexcitation of low-lying dipole transitions in ^{236}U . <i>Physical Review C</i> , 1990, 42, 771-774.	2.9	42
59	Low-lying E1 and M1 strengths in the deformed nucleus ^{160}Gd . <i>Nuclear Physics A</i> , 1994, 567, 266-280.	1.5	42
60	Origin of Low-Lying Enhanced E_1 Strength in Rare-Earth Nuclei. <i>Physical Review Letters</i> , 2015, 114, 192504.	2.9	42
61	Investigation of low-lying electric dipole strength in the semimagic nucleus ^{44}Ca . <i>Physical Review C</i> , 2011, 83, .	7.8	42
62	The decay pattern of the Pygmy Dipole Resonance of ^{140}Ce . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 756, 72-76.	2.9	41
63	Parity assignments in nuclear resonance fluorescence experiments using Compton polarimeters. <i>Nuclear Physics A</i> , 1990, 506, 223-244.	4.1	39
64	Systematic study of the fragmentation of low-lying dipole strength in odd-A rare earth nuclei investigated in nuclear resonance fluorescence experiments. <i>Physical Review C</i> , 1996, 54, 2287-2295.	1.5	38
65	Uncommon decay branching ratios of spin-one states in the rare-earth region and evidence for K mixing. <i>Physical Review C</i> , 1990, 42, 1945-1947.	2.9	37
66	E1 operator in the sdf-interacting boson model from an Alaga rule constraint. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 278, 221-224.	4.1	37
67	Photon scattering off ^{52}Cr : Two-phonon E1 strength at the $N = 28$ shell closure?. <i>Nuclear Physics A</i> , 1998, 636, 139-155.	1.5	37
68	Complete scissors mode strength in heavy deformed odd-mass nuclei: a case study of ^{165}Ho and ^{169}Tm . <i>Nuclear Physics A</i> , 1999, 645, 239-261.	1.5	37
69	Low-lying dipole strength of the open-shell nucleus ^{94}Mo . <i>Physical Review C</i> , 2013, 88, .	2.9	37
70	The $\hat{\gamma}$ -ray spectrometer HORUS and its applications for nuclear astrophysics. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 754, 94-100.	1.6	37
71	Evidence for a cluster of collective 1^+ states in ^{150}Nd near 3 MeV. <i>Physical Review Letters</i> , 1989, 63, 609-611.	7.8	36

#	ARTICLE	IF	CITATIONS
73	Systematics of the pygmy dipole resonance in stable tin isotopes from resonant photon scattering. Nuclear Physics A, 2007, 788, 385-388. Studies on the double- β decay nucleus Zn using the	1.5	36
74	^{64}Zn		

#	ARTICLE	IF	CITATIONS
91	Constraints on the \hat{I}_{\pm} nucleus optical-model potential via \hat{I}_{\pm} -induced reaction studies on ^{108}Cd . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 247-252.	4.1	28
92	Strong dipole excitations around 1.8 MeV in ^{238}U . Physical Review C, 1995, 52, R468-R470.	2.9	27
93	Systematic study of (\hat{I}^3, n) reaction rates for $Z \approx 78$ isotopes. Physical Review C, 2004, 70, .	2.9	27
94	Parity assignments in $^{172,174}\text{Yb}$ using polarized photons and the quantum number in rare earth nuclei. Physical Review C, 2005, 71, .	2.9	27
95	Photoreponse of ^{60}Ni below 10-MeV excitation energy: Evolution of dipole resonances in ^{60}Ni shell nuclei near ^{60}Ni . Physical Review C, 2005, 71, .	2.9	27
96	Experimental constraints on the \hat{I}^3 -ray strength function in ^{90}Zr using partial cross sections of the $^{89}(\text{p}, \hat{I}^3)^{90}\text{Zr}$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 358-362.	4.1	27
97	First experimental evidence for two-phonon octupole- \hat{I}^3 -vibrational excitations in deformed nuclei. Physical Review Letters, 1993, 71, 2180-2183.	7.8	26
98	Photoexcitation of magnetic and electric dipole transitions in heavy nuclei. Progress in Particle and Nuclear Physics, 1995, 34, 285-294.	14.4	26
99	High resolution γ -spectroscopy at the Big-Bite Spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 564, 267-274.	1.6	26
100	Low-spin excitations in ^{146}Sm . European Physical Journal A, 2012, 48, 1.	2.5	26
101	Magnetic dipole excitations of ^{50}Cr . Physical Review C, 2016, 93, .	2.9	25
102	Scissors mode of ^{29}Si . Physical Review C, 2013, 88, .	7.8	25
103	Possible experimental signature of octupole correlations in the 0_2^+ states of the actinides. Physical Review C, 2013, 88, .	2.9	24
104	Matrix Elements from a Novel Decay Channel of the Scissors Mode: The Case of ^{154}Gd . Physical Review Letters, 2013, 111, 172501.	7.8	23
105	Resonant photon scattering on the semi-magic nucleus ^{89}Y up to 7 MeV. Nuclear Physics A, 1997, 620, 1-15.	1.5	22
106	Low-lying dipole excitations in the transitional nuclei $^{190,192}\text{Os}$. Physical Review C, 1999, 59, 2264-2267.	2.9	22
107	The new photoactivation facility at the Stuttgart DYNAMITRON: setup, performance, and first applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 463, 26-41.	1.6	22
108	Collective excitations close to the particle threshold. Progress in Particle and Nuclear Physics, 2005, 55, 408-416.	14.4	22

#	ARTICLE	IF	CITATIONS
127	A comprehensive study of the $^{106}\text{Cd}(\hat{1}\pm, \hat{1}^3)^{110}\text{Sn}$ reaction at energies relevant to the p-process. Nuclear Physics A, 2005, 758, 517-520. Cross-section measurement of the $\langle \text{math} \rangle$	1.5	16
128	$\langle \text{math} \rangle$	2.9	16
129	Investigation of low lying electric and magnetic dipole excitations in heavy nuclei. Nuclear Physics A, 1994, 577, 191-196.	1.5	15
130	Half-lives of Au, Hg, and Pb isotopes from photoactivation. Physical Review C, 2001, 63, .	2.9	15
131	$\text{Re}^{187}(\hat{1}^3, n)$ cross section close to and above the neutron threshold. Physical Review C, 2006, 73, .	2.9	15
132	Investigation of photoneutron reactions close to and above the neutron emission threshold in the rare earth region. Physical Review C, 2008, 77, .	2.9	15
133	Mixed-symmetry octupole and hexadecapole excitations in the $N=52$ isotones. Physical Review C, 2014, 90, .	2.9	15
134	Quasifree ($\langle \text{math} \rangle$) T_j ETQq0 0 0 rgBT /Overlock 10 Tf 50 477 Td ($\langle \text{math} \rangle$)	2.9	15
135	Low-lying dipole strength in the well-deformed nucleus ^{156}Gd . Nuclear Physics A, 2019, 987, 79-89.	1.5	15
136	Accessing the Single-Particle Structure of the Pygmy Dipole Resonance in Pb^{208} . Physical Review Letters, 2020, 125, 102503.	7.8	15
137	First excited state of the p-process branching nucleus Zr^{95} . Physical Review C, 2003, 68, .	2.9	14
138	Effective proton-neutron interaction near the drip line from unbound states in $\langle \text{math} \rangle$	2.9	14
139	Nucleosynthesis by photon-induced reactions. Nuclear Physics A, 2003, 719, C90-C93.	1.5	13
140	Valence-shell dependence of the pygmy dipole resonance: $\langle \text{math} \rangle$	2.9	13
141	Valence correlation scheme for single nucleon separation energies. Physical Review C, 1996, 54, R2815-R2819.	2.9	12
142	Investigation of octupole vibrational states in ^{150}Nd via inelastic proton scattering ($p, p\hat{\epsilon}^2\hat{1}^3$). Physical Review C, 2011, 84, .	2.9	12
143	The $^{106}\text{Cd}(\hat{1}\pm, \hat{1}\pm)^{106}\text{Cd}$ elastic scattering in a wide energy range for $\hat{1}^3$ process studies. Nuclear Physics A, 2015, 940, 194-209.	1.5	12
144	Shape coexistence and collective low-spin states in $\langle \text{math} \rangle$		

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145	Cross section measurements of proton capture reactions on Mo isotopes relevant to the astrophysical p process. <i>European Physical Journal A</i> , 2019, 55, 1.	2.5	12
146	High-sensitivity investigation of low-lying dipole strengths in ^{120}Sn . <i>Physical Review C</i> , 2020, 102, .	2.9	12
147	International workshop on next generation gamma-ray source. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2022, 49, 010502.	3.6	12
148	Identification of strong E1 and M1 groundstate transitions in deformed rare earth nuclei. <i>Nuclear Physics A</i> , 1993, 553, 553-556.	1.5	11
149	In-beam experiments on (p, \hat{p}^3) and $(\alpha, \hat{\alpha}^3)$ reactions for the astrophysical p process. <i>Journal of Physics: Conference Series</i> , 2010, 202, 012005.	0.4	11
150	Prototyping and tests for an MRPC-based time-of-flight detector for 1GeV neutrons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 654, 79-87. states via the \hat{p}^3	1.6	11
151	Investigation of \hat{p}^3 states and their \hat{p}^3 -decay behavior in ^{120}Sn . <i>Physical Review C</i> , 2021, 102, 014301.	1.6	11
152	Systematic investigation of projectile fragmentation using beams of unstable B and C isotopes. <i>Physical Review C</i> , 2016, 93, .	2.9	11
153	Combining \hat{p}^3 -ray and particle spectroscopy with SONIC@HORUS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 875, 104-110.	1.6	11
154	Investigation of \hat{p}^3 states and their \hat{p}^3 -decay behavior in ^{120}Sn . <i>Physical Review C</i> , 2021, 102, 014301.	2.9	11
155	Structure of the low-energy electric dipole response of ^{120}Sn . <i>Physical Review Letters</i> , 2021, 127, 242501.	7.8	11
156	Electron channeling radiation experiments at very high electron bunch charges. <i>Physical Review A</i> , 2003, 68, .	2.5	10
157	Investigation of photoneutron reactions on ^{192}Os and $^{191,193}\text{Ir}$ at energies of relevance for the astrophysical p process. <i>Physical Review C</i> , 2009, 79, .	2.9	10
158	Study of the pygmy dipole resonance in the interacting boson approximation framework. <i>Physical Review C</i> , 2012, 85, .	2.9	10
159	NeuLAND MRPC-based detector prototypes tested with fast neutrons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 661, S145-S148.	1.6	10
160	Collective excitations of ^{96}Ru by means of (p, \hat{p}^3) experiments. <i>Physical Review C</i> , 2015, 92, .	2.9	10
161	Decay of quadrupole-octupole \hat{p}^3 states in ^{96}Ru . <i>Physical Review C</i> , 2015, 92, 014301.	2.9	10
162	Determination of the neutron-capture rate of ^{17}C for r-process nucleosynthesis. <i>Physical Review C</i> , 2017, 95, .	2.9	10

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163	Measurement of the $^{144}\text{Sm}(p,\alpha)^{143}\text{Sm}$ reaction rate for the r -process. Physical Review C, 2020, 101, .	2.9	10
164	Constraining nuclear properties in ^{94}Mo via a $^{93}\text{Nb}(p,\alpha)^{94}\text{Mo}$ total cross section measurement. Physical Review C, 2020, 101, .	2.9	10
165	^{13}C -ray intensities and ^{13}C -strength functions from discrete two-step ^{13}C -ray cascades in radiative proton-capture experiments. Physical Review C, 2020, 101, .	2.9	10
166	Dipole response in $^{128,130}\text{Te}$ below the neutron threshold. Physical Review C, 2021, 103, .	2.9	10
167	Photoreactions in nuclear astrophysics. Nuclear Physics A, 2003, 718, 243-246.	1.5	9
168	$^{13,14}\text{B}(n,\alpha)^{12,13}\text{C}$ via Coulomb Dissociation for Nucleosynthesis towards the r -Process. Nuclear Data Sheets, 2014, 120, 197-200.	2.2	9
169	Detailed spectroscopy of quadrupole and octupole states in ^{168}Yb . Physical Review C, 2015, 91, .	2.9	9
170	Nuclear astrophysics with radioactive ions at FAIR. Journal of Physics: Conference Series, 2016, 665, 012044.	0.4	9
171	Strong Neutron Pairing in core+4n Nuclei. Physical Review Letters, 2018, 120, 152504.	7.8	9
172	^{13}C studied in proton knockout from ^{13}C Coulomb excitation of radioactive nuclear beams in inverse kinematics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 391, 289-300.	2.9	9
173	Coulomb excitation of radioactive nuclear beams in inverse kinematics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 391, 289-300.	1.6	8
174	Resonance strengths for the reaction $^{28}\text{Si}(\alpha,\alpha)^{32}\text{S}$ at low energies. Physical Review C, 2002, 66, .	2.9	8
175	Nuclear astrophysics with real photons – the data acquisition system of the NEPTUN tagger setup. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014027.	3.6	8
176	Systematic Study of the Pygmy Dipole Resonance. Journal of Physics: Conference Series, 2012, 366, 012012.	0.4	8
177	Coulomb dissociation of ^{20}Ne and ^{21}Ne . Physical Review C, 2016, 93, .	2.9	8
178	Fine structure of the pygmy quadrupole resonance in $^{112,114}\text{Sn}$. Nuclear Physics A, 2019, 990, 183-198.	1.5	8
179	Dipole response of ^{87}Rb and its impact on the $^{86}\text{Rb}(n,\alpha)^{87}\text{Rb}$ cross section. Physical Review C, 2020, 102, .	2.9	8
180	Experimental techniques to study the ^{13}C process for nuclear astrophysics at the Cologne accelerator laboratory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 966, 163854.	1.6	8

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181	Nuclear structure and nuclear astrophysics at a 10 MeV bremsstrahlung facility. Nuclear Physics A, 2001, 690, 272-275.	1.5	7
182	Systematics of Alpha-Capture Reactions and Alpha-Optical Potentials for the p Process. , 2009, , .		7
183	Simulation and prototyping of 2m long resistive plate chambers for detection of fast neutrons and multi-neutron event identification. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 701, 86-92.	1.6	7
184	Insights into the statistical $\hat{\Gamma}^3$ -decay behavior of Cd108 via radiative proton capture. Physical Review C, 2020, 101, .	2.9	7
185	$(\hat{\Gamma}^3, n)$ reactions in a quasi-thermal photon bath. Nuclear Physics A, 2001, 688, 82-85.	1.5	6
186	Measurement of the Dipole and Electric Quadrupole Strength Distributions up to 10 MeV in the Doubly Magic Nuclei C40 and C48a [Phys. Rev. Lett. 85, 274 (2000)]. Physical Review Letters, 2001, 86, 4981-4981.	7.8	6
187	Investigation of the Pygmy Dipole Resonance in coincidence experiments. Nuclear Physics A, 2007, 788, 165-170.	1.5	6
188	Study of the $^{89}\text{Y}(\hat{\Gamma}^\pm, \hat{\Gamma}^\pm)^{89}\text{Y}$ reaction close to the Coulomb barrier. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014037.	3.6	6
189	Microscopic description of the pygmy dipole resonance and its contribution to radiative capture. , 2009, , .		6
190	High-resolution Gamma-ray Spectroscopy with ELIADe at the Extreme Light Infrastructure. Acta Physica Polonica B, 2019, 50, 329.	0.8	6
191	Neutron capture of ^{26}Mg at $T=52 \text{ keV}$ and the resonance at $E_n=68.7 \text{ keV}$. Physical Review C, 1999, 60, .	2.9	5
192	Determination of $\hat{\Gamma}^\pm$ -nucleus potentials by $\hat{\Gamma}^\pm$ -elastic scattering and its implications for the $\hat{\Gamma}^3$ -process. Nuclear Physics A, 2003, 719, C111-C114.	1.5	5
193	Determination of $(n, \hat{\Gamma}^3)$ reaction rates at s-process branching points via their inverse reactions. Nuclear Physics A, 2003, 719, C123-C126.	1.5	5
194	Lifetime measurements with improved precision in S and possible influence of large-scale clustering on the appearance of strongly deformed states. Physical Review C, 2017, 96, .	2.9	5
195	$\hat{\Gamma}^3 K=0$ M1 Excitation Strength of the Well-Deformed Nucleus Dy164 from K Mixing. Physical Review Letters, 2020, 125, 092501.	7.8	5
196	Width of the 3841-keV level in O17. Physical Review C, 1994, 50, 2222-2223.	2.9	4
197	Dipole excitations in ^{122}Te , ^{126}Te and ^{130}Te . Zeitschrift für Physik A, 1997, 358, 197-198.	0.9	4
198	Determination of $(\hat{\Gamma}^3, n)$ reaction rates for the astrophysical $\hat{\Gamma}^3$ process. Nuclear Physics A, 2003, 718, 575-577.	1.5	4

#	ARTICLE	IF	CITATIONS
199	Photodissociation of neutron deficient nuclei. European Physical Journal A, 2006, 27, 149-152.	2.5	4
200	A method to correct differential nonlinearities in subranging analog-to-digital converters used for digital \hat{I}^3 -ray spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 758, 69-76.	1.6	4
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