

Arnd Junghans

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

1,667
citations

304743

22
h-index

289244

40
g-index

83
all docs

83
docs citations

83
times ranked

944
citing authors

#	ARTICLE	IF	CITATIONS
1	Pygmy dipole strength in Zr . Physical Review C, 2008, 78, .	2.9	125
2	Precise measurement of the $Be7(p,\hat{1}^3)B8S$ factor. Physical Review C, 2003, 68, .	2.9	112
3	$B7e(p,\hat{1}^3)B8A$ Astrophysical S Factor from Precision Cross Section Measurements. Physical Review Letters, 2002, 88, 041101.	7.8	91
4	Dipole response of $Sr88$ up to the neutron-separation energy. Physical Review C, 2007, 76, .	2.9	86
5	Transient Effects in Fission from New Experimental Signatures. Physical Review Letters, 2004, 93, 072501.	7.8	78
6	Production of new neutron-rich isotopes of heavy elements in fragmentation reactions of U projectiles at $1 < E < 1.5$ GeV. Physical Review C, 1998, 58, 014601.	2.9	76
7	Dipole strength in Mo and Kr and systematics of $N < Z$ isotones. Physical Review C, 2013, 87, .	2.9	74
8	Pygmy dipole strength in Kr and systematics of $N < Z$ isotones. Physical Review C, 2013, 87, .	2.9	72
9	Enhanced electric dipole strength below particle-threshold as a consequence of nuclear deformation. Physical Review C, 2009, 79, .	2.9	66
10	Electromagnetic dipole strength of Ba below the neutron separation energy. Physical Review C, 2012, 86, .	2.9	59
11	Dipole strength in La below the neutron-separation energy. Physical Review C, 2010, 82, .	2.9	50
12	Experimental study of the electric dipole strength in the even Mo nuclei and its deformation dependence. Physical Review C, 2010, 81, .	2.9	49
13	Dipole strength in Pb within the shell. Physical Review C, 2008, 78, .	2.9	48
14	Dipole strength in $Y89$ up to the neutron-separation energy. Physical Review C, 2009, 79, .	2.9	47
15	Systematics of magnetic dipole strength in the stable even-mass Mo isotopes. Physical Review C, 2006, 73, .	2.9	44
16	Nuclear Deformation and Neutron Excess as Competing Effects for Dipole Strength in the Pygmy Region. Physical Review Letters, 2014, 112, 072501.	7.8	43
17	Dipole strength in $78Se$ below the neutron separation energy from a combined analysis of $77Se(n,\hat{1}^3)$ and $78Se(\hat{1}^3,\hat{1}^3\alpha\epsilon^2)$ experiments. Physical Review C, 2012, 85, .	2.9	42
18	Photoactivation experiment on Au and its implications for the dipole strength in heavy nuclei. Physical Review C, 2008, 78, .	2.9	36

#	ARTICLE	IF	CITATIONS
19	Dipole strength in ^{144}Sm studied via $(\hat{1}^3, n)$, $(\hat{1}^3, p)$, and $(\hat{1}^3, \hat{1}^\pm)$ reactions. Physical Review C, 2010, 81, .	2.9	31
20	Updated factors for the ^7Be α decay		

#	ARTICLE	IF	CITATIONS
37	Electric and magnetic dipole strength functions in the ^{114}Cd nucleus. <i>Physical Review C</i> , 2020, 102, 014601. https://doi.org/10.1103/PhysRevC.102.014601	2.9	12
38	High-sensitivity investigation of low-lying dipole strengths in ^{120}Sn . <i>Physical Review C</i> , 2020, 102, 014602. https://doi.org/10.1103/PhysRevC.102.014602	2.9	12
39	Neutron total cross section measurements of gold and tantalum at the nELBE photoneutron source. <i>European Physical Journal A</i> , 2013, 49, 1. https://doi.org/10.1140/epja/i2013-13001-1	2.5	10
40	Dipole strength in ^{80}Se for process and nuclear transmutation of ^{80}Se . <i>Physical Review C</i> , 2020, 102, 014603. https://doi.org/10.1103/PhysRevC.102.014603	2.9	10
41	ELECTROMAGNETIC STRENGTH IN HEAVY NUCLEI $\hat{\alpha}\hat{\epsilon}$ EXPERIMENTS AND A GLOBAL FIT. <i>International Journal of Modern Physics E</i> , 2011, 20, 431-442. https://doi.org/10.1142/S120103991100020	1.0	9
42	Dipole response of ^{87}Rb and its impact on the $^{86}\text{Rb}(n,\hat{\gamma})^{87}\text{Rb}$ cross section. <i>Physical Review C</i> , 2020, 102, 014604. https://doi.org/10.1103/PhysRevC.102.014604	2.9	8
43	The Energy Dependence of the Electric Dipole Strength in Heavy Nuclei. <i>Journal of the Korean Physical Society</i> , 2011, 59, 1872-1875. https://doi.org/10.1007/s11464-011-0187-2	0.7	8
44	Single particle detection system for strong-field QED experiments. <i>New Journal of Physics</i> , 2022, 24, 015002. https://doi.org/10.1088/1751-8121/ac9000	2.9	7
45	Dipole-Strength Distributions Below the Giant Dipole Resonance in the Stable Even-Mass Molybdenum Isotopes. <i>Physical Review C</i> , 2009, 79, 014601. https://doi.org/10.1103/PhysRevC.79.014601		6
46	Backward-forward reaction asymmetry of neutron elastic scattering on deuterium. <i>Physical Review C</i> , 2017, 95, 014601. https://doi.org/10.1103/PhysRevC.95.014601	2.9	6
47	Temperature quenching in LAB based liquid scintillator. <i>European Physical Journal C</i> , 2018, 78, 1. https://doi.org/10.1140/epjc/i2018-11601-1	3.9	6
48	Electric and magnetic dipole strength in ^{54}Fe . <i>Physical Review C</i> , 2020, 101, 014601. https://doi.org/10.1103/PhysRevC.101.014601	2.9	6
49	Effect of broken axial symmetry on the electric dipole strength and the collective enhancement of level densities in heavy nuclei. <i>Physica Scripta</i> , 2017, 92, 114003. https://doi.org/10.1088/1402-4875/92/11/114003	2.5	4
50	Electric and magnetic dipole strength in ^{66}Zn . <i>Physical Review C</i> , 2021, 103, 014601. https://doi.org/10.1103/PhysRevC.103.014601	2.9	4
51	First Results of the $^{140}\text{Ce}(n,\hat{\gamma})^{141}\text{Ce}$ Cross-Section Measurement at n_TOF. <i>Universe</i> , 2021, 7, 200. https://doi.org/10.3390/universe7020200	2.5	4
52	Neutron transmission measurements at nELBE. <i>EPJ Web of Conferences</i> , 2020, 239, 01006. https://doi.org/10.1051/epjconf/202023901006	0.3	4
53	Light yield and $n\hat{\gamma}$ pulse-shape discrimination of liquid scintillators based on linear alkyl benzene. <i>Journal of Instrumentation</i> , 2012, 7, C03047-C03047. https://doi.org/10.1088/1748-0221/7/03/C03047	1.2	3
54	Consequences of broken axial symmetry in heavy nuclei – an overview of the situation in the valley of stability. <i>Physica Scripta</i> , 2019, 94, 014008. https://doi.org/10.1088/1402-4875/94/1/014008	2.5	3

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55	Fast neutron inelastic scattering at the nELBE facility. Journal of Instrumentation, 2012, 7, C02020-C02020.	1.2	2
56	Gating of charge sensitive preamplifiers for the use at pulsed radiation sources. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1002, 165297.	1.6	2
57	Photoexcitation of ^{76}Ge . Physical Review C, 2022, 105, .	1.5	2
58	Fission experiments with secondary beams. Pramana - Journal of Physics, 1999, 53, 637-646.	1.8	1
59	MODELLING OF DISSIPATION IN NUCLEAR FISSION. International Journal of Modern Physics E, 2004, 13, 97-101.	1.0	1
60	Proton-recoil detectors for time-of-flight measurements of neutrons with kinetic energies from some tens of keV to a few MeV. , 2008, , .		1
61	The nELBE neutron time-of-flight facility. , 2008, , .		1
62	GLOBAL VIEW ON FISSION CHANNELS. International Journal of Modern Physics E, 2009, 18, 873-878.	1.0	1
63	Photoactivation of the p-nucleus ^{92}Mo with bremsstrahlung at ELBE. Journal of Physics: Conference Series, 2010, 202, 012014.	0.4	1
64	Measurement of the $^{92,93,94,100}\text{Mo}(\hat{1}^3, n)$ reactions by Coulomb Dissociation. Journal of Physics: Conference Series, 2016, 665, 012034.	0.4	1
65	Measurements of neutron scattering angular distributions with a new scintillator setup. EPJ Web of Conferences, 2017, 146, 11008.	0.3	1
66	Improved $^{242}\text{Pu}(n, \gamma)$ thermal cross section combining activation and prompt gamma analysis. European Physical Journal A, 2019, 55, 1.	2.5	1
67	Fast-neutron-induced fission cross section of ^{242}Pu measured at the neutron time-of-flight facility at nELBE. Physical Review C, 2019, 99, .	2.9	1
68	Shell Stabilization in Compound Nucleus Survival. AIP Conference Proceedings, 2004, , .	0.4	0
69	Comment on "Electromagnetic dissociation of ^{8}B and the astrophysical S-factor for $^{7}\text{Be}(p, \hat{1}^3)^{8}\text{B}$ ". Physical Review C, 2004, 70, .	2.9	0
70	A Novel High-Resolution Time-of-Flight Spectrometer with Tracking Capabilities for Photo-Fission Fragments and Beams of Exotic Nuclei. AIP Conference Proceedings, 2005, , .	0.4	0
71	Development of a neutron time-of-flight source at the ELBE accelerator. Journal of Physics: Conference Series, 2006, 41, 296-305.	0.4	0
72	Photodissociation experiments for p-process nuclei. AIP Conference Proceedings, 2006, , .	0.4	0

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73	Fast neutrons for transmutation research within the EFNUDAT project. , 2009, , .		0
74	Publisher's Note: Dipole transition strengths in ^{26}Mg [Phys. Rev. C 79, 037303 (2009)]. Physical Review C, 2009, 79, .	2.9	0
75	Photon scattering experiment on [¹³⁹ La] below neutron separation energy at ELBE. , 2009, , .		0
76	Target dependence in the study of collective modes in stable and exotic Ni nuclei. Journal of Physics: Conference Series, 2010, 202, 012035.	0.4	0
77	Cross section measurement on [¹³⁹ La] below neutron separation energy. , 2010, , .		0
78	Improving material properties and performance of nuclear targets for transmutation-relevant experiments. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 913-919.	1.5	0
79	Program and status for the planned underground accelerator in the Dresden Felsenkeller. Journal of Physics: Conference Series, 2016, 665, 012030.	0.4	0
80	Measurement of the photodissociation of the deuteron at energies relevant to Big Bang nucleosynthesis. Journal of Physics: Conference Series, 2016, 665, 012003.	0.4	0
81	The nELBE Neutron Time of Flight Facility. Journal of the Korean Physical Society, 2011, 59, 1593-1596.	0.7	0
82	Development of a Neutron TOF Facility at KAERI. Journal of the Korean Physical Society, 2011, 59, 1609-1612.	0.7	0
83	Photon Scattering by Nuclei. Landolt-Börnstein - Group I Elementary Particles, Nuclei and Atoms, 2013, , 9-49.	0.2	0