

# Arnd Junghans

## List of Publications by Year in descending order

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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	Photoexcitation of $^{76}\text{Ge}$ . Physical Review C, 2022, 105, .	2.9	2
2	Single particle detection system for strong-field QED experiments. New Journal of Physics, 2022, 24, 015002.	2.9	7
3	Electric and magnetic dipole strength in $^{66}\text{Zn}$ . Physical Review C, 2021, 103, .	2.9	4
4	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
5	First Results of the $^{140}\text{Ce}(n, \hat{1}^3)^{141}\text{Ce}$ Cross-Section Measurement at n_TOF. Universe, 2021, 7, 200.	2.5	4
6	High-sensitivity investigation of low-lying dipole strengths in $^{120}\text{Sn}$ . Physical Review C, 2020, 102, .	2.9	12
7	Dipole response of $^{87}\text{Rb}$ and its impact on the $^{86}\text{Rb}(n, \hat{1}^3)^{87}\text{Rb}$ cross section. Physical Review C, 2020, 102, .	2.9	8
8	Electric and magnetic dipole strength in $^{54}\text{Fe}$ . Physical Review C, 2020, 101, .	2.9	6
9	Neutron transmission measurements at nELBE. EPJ Web of Conferences, 2020, 239, 01006.	0.3	4
10	Cross section and neutron angular distribution measurements of neutron scattering on natural iron. Physical Review C, 2019, 99, .	2.9	13
11	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
12	Consequences of broken axial symmetry in heavy nuclei – an overview of the situation in the valley of stability. Physica Scripta, 2019, 94, 014008.	2.5	3
13	Fast-neutron-induced fission cross section of $^{242}\text{Pu}$ measured at the neutron time-of-flight facility $n\text{ELBE}$ .	2.9	1
14	Radiative neutron capture on $^{242}\text{Pu}$ in the resonance region at the CERN n_TOF-EAR1 facility. Physical Review C, 2018, 97, .	2.9	21
15	Temperature quenching in LAB based liquid scintillator. European Physical Journal C, 2018, 78, 1.	3.9	6
16	Backward-forward reaction asymmetry of neutron elastic scattering on deuterium. Physical Review C, 2017, 95, .	2.9	6
17	Breaking of axial symmetry in excited heavy nuclei as identified in giant dipole resonance data. European Physical Journal A, 2017, 53, 1.	2.5	14
18	Effect of broken axial symmetry on the electric dipole strength and the collective enhancement of level densities in heavy nuclei. Physica Scripta, 2017, 92, 114003.	2.5	4

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19	Measurements of neutron scattering angular distributions with a new scintillator setup. EPJ Web of Conferences, 2017, 146, 11008.	0.3	1
20	Program and status for the planned underground accelerator in the Dresden Felsenkeller. Journal of Physics: Conference Series, 2016, 665, 012030.	0.4	0
21	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
22	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
23	Dipole strength in $^{80}\text{Se}$ for process and Role of electric and magnetic dipole strength functions in the $^{80}\text{Se}$ process and	2.9	10
24	Role of electric and magnetic dipole strength functions in the $^{80}\text{Se}$ process and $^{114}\text{Cd}$ process and	2.9	12
25	Measurement of $\alpha$ -particle quenching in LAB based scintillator in independent small-scale experiments. European Physical Journal C, 2016, 76, 1.	3.9	14
26	Dipole strength distribution of $^{74}\text{Ge}$	2.9	20
27	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
28	Dipole strength of $^{181}\text{Ta}$ for the evaluation of the $^{180}\text{Ta}$ stellar neutron capture rate. Physical Review C, 2014, 90, .	2.9	26
29	Nuclear Deformation and Neutron Excess as Competing Effects for Dipole Strength in the Pygmy Region. Physical Review Letters, 2014, 112, 072501.	7.8	43
30	Neutron total cross section measurements of gold and tantalum at the nELBE photoneutron source. European Physical Journal A, 2013, 49, 1.	2.5	10
31	Electromagnetic dipole strength in $^{196}\text{Pt}$	2.9	24
32	Pygmy dipole strength in $^{86}\text{Kr}$ and systematics of $^{86}\text{Kr}$	2.9	72
33	Photon Scattering by Nuclei. Landolt-Börnstein - Group I Elementary Particles, Nuclei and Atoms, 2013, , 9-49.	0.2	0
34	Electromagnetic dipole strength of $^{136}\text{Ba}$ below the neutron separation energy. Physical Review C, 2012, 86, .	2.9	59
35	Dipole strength in $^{78}\text{Se}$ below the neutron separation energy from a combined analysis of $^{77}\text{Se}(n, \hat{1}^3)$ and $^{78}\text{Se}(\hat{1}^3, \hat{1}^3 \rightarrow \hat{0}^+)$ experiments. Physical Review C, 2012, 85, .	2.9	42
36	Light yield and $n$ - $\hat{1}^3$ pulse-shape discrimination of liquid scintillators based on linear alkyl benzene. Journal of Instrumentation, 2012, 7, C03047-C03047.	1.2	3

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37	Fast neutron inelastic scattering at the nELBE facility. Journal of Instrumentation, 2012, 7, C02020-C02020.	1.2	2
38	Shallow-underground accelerator sites for nuclear astrophysics: Is the background low enough? European Physical Journal A, 2012, 48, 1.	2.5	12
39	Production of new neutron-rich isotopes in the reactions $^{112}\text{Sn} + ^{112}\text{Sn}$ and $^{112}\text{Sn} + ^{112}\text{Sn}$ . Physical Review C, 2010, 81, .	2.9	19
40	ELECTROMAGNETIC STRENGTH IN HEAVY NUCLEI $\alpha\epsilon$ EXPERIMENTS AND A GLOBAL FIT. International Journal of Modern Physics E, 2011, 20, 431-442.	1.0	9
41	The Energy Dependence of the Electric Dipole Strength in Heavy Nuclei. Journal of the Korean Physical Society, 2011, 59, 1872-1875.	0.7	8
42	The nELBE Neutron Time of Flight Facility. Journal of the Korean Physical Society, 2011, 59, 1593-1596.	0.7	0
43	Development of a Neutron TOF Facility at KAERI. Journal of the Korean Physical Society, 2011, 59, 1609-1612.	0.7	0
44	Photoactivation of the p-nucleus $^{92}\text{Mo}$ with bremsstrahlung at ELBE. Journal of Physics: Conference Series, 2010, 202, 012014.	0.4	1
45	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
46	Dipole strength in $^{144}\text{Sm}$ studied via $(^{13}\text{n})$ , $(^{13}\text{p})$ , and $(^{13}\hat{1}\pm)$ reactions. Physical Review C, 2010, 81, .	2.9	31
47	Dipole strength in $^{208}\text{Pb}$ within the shell. Physical Review C, 2010, 81, .	2.9	48
48	Experimental study of the electric dipole strength in the even Mo nuclei and its deformation dependence. Physical Review C, 2010, 81, .	2.9	49
49	Dipole strength in $^{138}\text{La}$ . Physical Review C, 2010, 81, .	2.9	50
50	Production of new neutron-rich isotopes of heavy elements in fragmentation reactions of $^{238}\text{U}$ projectiles at 1 A GeV. Physical Review C, 2010, 81, .	2.9	76
51	Production of new neutron-rich isotopes of heavy elements in fragmentation reactions of $^{238}\text{U}$ projectiles at 1 A GeV. Physical Review C, 2010, 81, .	2.9	76

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55	Dipole strength in $^{89}\text{Y}$ up to the neutron-separation energy. <i>Physical Review C</i> , 2009, 79, .	2.9	47
56	Dipole transition strengths in $^{26}\text{Mg}$ . <i>Physical Review C</i> , 2009, 79, .	2.9	15
57	Publiser's Note: Dipole transition strengths in $^{26}\text{Mg}$ . <i>Physical Review C</i> , 2009, 79, .	2.9	0
58	GLOBAL VIEW ON FISSION CHANNELS. <i>International Journal of Modern Physics E</i> , 2009, 18, 873-878.	1.0	1
59	Photon scattering experiment on $^{139}\text{La}$ below neutron separation energy at ELBE. , 2009, , .		0
60	Production cross-sections of neutron-rich Pb and Bi isotopes in the fragmentation of $^{238}\text{U}$ . <i>European Physical Journal A</i> , 2009, 42, 485.	2.5	15
61	Dipole-Strength Distributions Below the Giant Dipole Resonance in the Stable Even-Mass Molybdenum Isotopes. , 2009, , .		6
62	Photodisintegration studies on p-nuclei: the case of Mo and sm isotopes. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 014036.	3.6	13
63	Photon strength distributions in stable even-even molybdenum isotopes. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 014035.	3.6	12
64	Proton-recoil detectors for time-of-flight measurements of neutrons with kinetic energies from some tens of keV to a few MeV. , 2008, , .		1
65	The nELBE neutron time-of-flight facility. , 2008, , .		1
66	Low-energy tail of the giant dipole resonance in $^{98}\text{Mo}$ and $^{100}\text{Mo}$ . <i>Physical Review C</i> , 2008, 78, .	2.9	74
67	Pygmy dipole strength in $^{90}\text{Zr}$ . <i>Physical Review C</i> , 2008, 78, .	2.9	125
68	Photoactivation experiment on $^{197}\text{Au}$ and its implications for the dipole strength in heavy nuclei. <i>Physical Review C</i> , 2008, 78, .	2.9	36
69	Effect of nuclear deformation on the electric-dipole strength in the particle-emission threshold region. <i>Physical Review C</i> , 2007, 76, .	2.9	20
70	Dipole response of $^{88}\text{Sr}$ up to the neutron-separation energy. <i>Physical Review C</i> , 2007, 76, .	2.9	86
71	Development of a neutron time-of-flight source at the ELBE accelerator. <i>Journal of Physics: Conference Series</i> , 2006, 41, 296-305.	0.4	0
72	Photodissociation of p-process nuclei studied by bremsstrahlung-induced activation. <i>European Physical Journal A</i> , 2006, 27, 135-140.	2.5	17

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73	Photodissociation experiments for p-process nuclei. AIP Conference Proceedings, 2006, , .	0.4	0
74	Systematics of magnetic dipole strength in the stable even-mass Mo isotopes. Physical Review C, 2006, 73, .	2.9	44
75	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
76	The new bremsstrahlung facility at the superconducting electron accelerator ELBE. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1969-S1972.	3.6	15
77	Shell Stabilization in Compound Nucleus Survival. AIP Conference Proceedings, 2004, , .	0.4	0
78	Comment on "Electromagnetic dissociation of $^8\text{B}$ and the astrophysical S factor for $^7\text{Be}(p, ^3\text{He})^8\text{B}$ ". Physical Review C, 2004, 70, .	2.9	0
79	Transient Effects in Fission from New Experimental Signatures. Physical Review Letters, 2004, 93, 072501.	7.8	78
80	MODELLING OF DISSIPATION IN NUCLEAR FISSION. International Journal of Modern Physics E, 2004, 13, 97-101.	1.0	1
81	Precise measurement of the $^7\text{Be}(p, ^3\text{He})^8\text{B}$ S factor. Physical Review C, 2003, 68, .	2.9	112
82	$^7\text{Be}(p, ^3\text{He})^8\text{B}$ Astrophysical S Factor from Precision Cross Section Measurements. Physical Review Letters, 2002, 88, 041101.	7.8	91
83	Fission experiments with secondary beams. Pramana - Journal of Physics, 1999, 53, 637-646.	1.8	1