

# Andreas Wagner

## List of Publications by Year in descending order

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362  
papers

8,082  
citations

47006

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69250

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369  
all docs

369  
docs citations

369  
times ranked

4528  
citing authors

#	ARTICLE	IF	CITATIONS
1	Isospin Diffusion and the Nuclear Symmetry Energy in Heavy Ion Reactions. Physical Review Letters, 2004, 92, 062701.	7.8	354
2	Isospin Fractionation in Nuclear Multifragmentation. Physical Review Letters, 2000, 85, 716-719.	7.8	289
3	Direct Evidence for the Breakdown of the N=8 Shell Closure in $^{112}\text{e}$ . Physical Review Letters, 2000, 85, 266-269.	7.8	259
4	Evidence for a Soft Nuclear Equation-of-State from Kaon Production in Heavy-Ion Collisions. Physical Review Letters, 2001, 86, 39-42.	7.8	243
5	Subthreshold Production of Kaons and Antikaons in Nucleus-Nucleus Collisions at Equivalent Beam Energies. Physical Review Letters, 1997, 78, 4007-4010.	7.8	178
6	Medium Effects in Kaon and Antikaon Production in Nuclear Collisions at Subthreshold Beam Energies. Physical Review Letters, 1999, 82, 1640-1643.	7.8	162
7	Measurement of the Dipole Polarizability of the Unstable Neutron-Rich Nucleus $^{68}\text{Ni}$ . Physical Review Letters, 2013, 111, 242503.	7.8	155
8	Range assessment in particle therapy based on prompt $^{13}\text{C}$ -ray timing measurements. Physics in Medicine and Biology, 2014, 59, 5399-5422.	3.0	154
9	The photon-scattering facility at the superconducting electron accelerator ELBE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 555, 211-219.	1.6	128
10	Measurement of the Coulomb Dissociation of $^{8}\text{B}$ at 254 MeV/nucleon and the $^{8}\text{B}$ Solar Neutrino Flux. Physical Review Letters, 1999, 83, 2910-2913.	7.8	126
11	Pygmy dipole strength in $^{90}\text{Zr}$ . Physical Review C, 2008, 78, .	2.9	125
12	Observation of enhanced subthreshold $\text{K}^+$ production in central collisions between heavy nuclei. Physical Review Letters, 1994, 72, 3650-3653.	7.8	108
13	The kaon spectrometer at SIS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 327, 393-411.	1.6	95
14	Inclusive Pion Production in Collisions of Relativistic Protons, Deuterons, Alphas, and Carbon Ions with Nuclei. Physical Review Letters, 1975, 34, 601-604.	7.8	94
15	Beyond the neutron drip line: The unbound oxygen isotopes $^{25}\text{O}$ and $^{26}\text{O}$ . Physical Review C, 2013, 88, .	2.9	93
16	Azimuthally anisotropic emission of pions in symmetric heavy-ion collisions. Physical Review Letters, 1993, 71, 336-339.	7.8	90
17	Photon data shed new light upon the GDR spreading width in heavy nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 670, 200-204.	4.1	87
18	Enhanced Out-of-Plane Emission of $\text{K}^+$ Mesons Observed in Au+Au Collisions at 1 AGeV. Physical Review Letters, 1998, 81, 1576-1579.	7.8	86

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19	Dipole response of Sr88 up to the neutron-separation energy. Physical Review C, 2007, 76, .	2.9	86
20	Coulomb Dissociation of B8 and the Low-Energy Cross Section of the Be7(p,13)B8 Solar Fusion Reaction. Physical Review Letters, 2003, 90, 232501.	7.8	85
21	First measurement of antikaon phase-space distributions in nucleus-nucleus collisions at subthreshold beam energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 495, 26-32.	4.1	84
22	First test of the prompt gamma ray timing method with heterogeneous targets at a clinical proton therapy facility. Physics in Medicine and Biology, 2015, 60, 6247-6272.	3.0	83
23	Production of K+ and K0 mesons in heavy-ion collisions from 0.6 to 2.0 A GeV incident energy. Physical Review C, 2007, 75, .	2.9	79
24	LASSA: a large area silicon strip array for isotopic identification of charged particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 473, 302-318.	1.6	78
25	Design and Construction of a Slow Positron Beam for Solid and Surface Investigations. Defect and Diffusion Forum, 0, 331, 25-40.	0.4	76
26	Direct time-of-flight for quantitative, real-time in-beam PET: a concept and feasibility study. Physics in Medicine and Biology, 2007, 52, 6795-6811.	3.0	74
27	Pygmy dipole strength in Mo. Physical Review Letters, 2018, 120, 052501.	2.9	74
28	Systematics of Kr and N isotone. Physical Review C, 2013, 87, .	2.9	72
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	High Resolution Energy-Angle Correlation Measurement of Hard X Rays from Laser-Thomson Backscattering. Physical Review Letters, 2013, 111, 114803.	7.8	68
31	Fragment isotope distributions and the isospin dependent equation of state. Physical Review C, 2001, 64, .	2.9	66
32	Enhanced electric dipole strength below particle-threshold as a consequence of nuclear deformation. Physical Review C, 2009, 79, .	2.9	66
33	Li as a tool to study the Big Bang nucleosynthesis reaction. Physical Review Letters, 2018, 120, 052501.	2.9	65
34	Chemical manipulation of hydrogen induced high p-type and n-type conductivity in Ga2O3. Scientific Reports, 2020, 10, 6134.	3.3	65
35	Isotope yields from central Sn112,124+Sn112,124 collisions: Dynamical emission?. Physical Review C, 2004, 69, .	2.9	64
36	Open volume defects and magnetic phase transition in Fe60Al40 transition metal aluminide. Journal of Applied Physics, 2015, 117, .	2.5	61

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37	Positron annihilation lifetime and Doppler broadening spectroscopy at the ELBE facility. AIP Conference Proceedings, 2018, , .	0.4	60
38	First Evidence for Different Freeze-Out Conditions for Kaons and Antikaons Observed in Heavy-Ion Collisions. Physical Review Letters, 2003, 91, 152301.	7.8	59
39	Electromagnetic dipole strength of $^{136}\text{Ba}$ below the neutron separation energy. Physical Review C, 2012, 86, .	2.9	59
40	Voltage-Controlled ON/OFF Ferromagnetism at Room Temperature in a Single Metal Oxide Film. ACS Nano, 2018, 12, 10291-10300.	14.6	57
41	Isospin diffusion observables in heavy-ion reactions. Physical Review C, 2007, 76, .	2.9	53
42	Experimental investigation of the residues produced in the $^{136}\text{Xe} + ^{208}\text{Pb}$ reaction. Physical Review C, 2006, 73, .	2.9	51
43	Low-energy cross section of the $^7\text{Be}(p, \alpha)^4\text{He}$ solar fusion reaction from the Coulomb dissociation of $^8\text{Be}$ . Physical Review C, 2006, 73, .	2.9	50
44	Dipole strength in $^{139}\text{La}$ below the neutron-separation energy. Physical Review C, 2010, 82, .	2.9	50
45	Rise and fall of defect induced ferromagnetism in SiC single crystals. Applied Physics Letters, 2011, 98, .	3.3	50
46	In-Medium Effects on Phase Space Distributions of Antikaons Measured in Proton-Nucleus Collisions. Physical Review Letters, 2006, 96, 072301.	7.8	49
47	Experimental study of the electric dipole strength in the even Mo nuclei and its deformation dependence. Physical Review C, 2010, 81, .	2.9	49
48	Dipole strength in $^{208}\text{Pb}$ within the shell. Physical Review C, 2009, 79, .	2.9	48
49	Dipole strength in $^{89}\text{Y}$ up to the neutron-separation energy. Physical Review C, 2009, 79, .	2.9	47
50	Study of the out-of-plane emission of protons and light fragments in symmetric heavy-ion collisions. Zeitschrift für Physik A, 1996, 355, 61-68.	0.9	46
51	Energy resolution and energy response of CsI(Tl) scintillators for charged particle detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 456, 290-299.	1.6	46
52	Fine Structure of the Giant Monopole Resonance in $^{90}\text{Zr}$ . Physical Review Letters, 2013, 110, 022503.	7.8	46
53	Nanocavity formation and hardness increase by dual ion beam irradiation of oxide dispersion strengthened FeCrAl alloy. Journal of Nuclear Materials, 2012, 427, 133-139.	2.7	45
54	ZnO Luminescence and scintillation studied via photoexcitation, X-ray excitation and gamma-induced positron spectroscopy. Scientific Reports, 2016, 6, 31238.	3.3	45

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55	Emission Pattern of High-Energy Pions: A New Probe for the Early Phase of Heavy-Ion Collisions. Physical Review Letters, 2000, 85, 18-21.	7.8	44
56	Systematics of magnetic dipole strength in the stable even-mass Mo isotopes. Physical Review C, 2006, 73, .	2.9	44
57	Nuclear Deformation and Neutron Excess as Competing Effects for Dipole Strength in the Pygmy Region. Physical Review Letters, 2014, 112, 072501.	7.8	43
58	Magnetic rotation in $^{82}\text{Rb}$ and $^{84}\text{Rb}$ . Physical Review C, 2002, 66, .	2.9	42
59	Dipole strength in $^{78}\text{Se}$ below the neutron separation energy from a combined analysis of $^{77}\text{Se}(n, \hat{p}^3)$ and $^{78}\text{Se}(\hat{p}^3, \hat{p}^3 \rightarrow \hat{e}^2)$ experiments. Physical Review C, 2012, 85, .	2.9	42
60	Voltage-driven motion of nitrogen ions: a new paradigm for magneto-ionics. Nature Communications, 2020, 11, 5871.	12.8	42
61	Test of Compton camera components for prompt gamma imaging at the ELBE bremsstrahlung beam. Journal of Instrumentation, 2014, 9, P05002-P05002.	1.2	41
62	Development of a neutron time-of-flight source at the ELBE accelerator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 577, 641-653.	1.6	40
63	Photo-neutron reaction cross-section for $^{93}\text{Nb}$ in the end-point bremsstrahlung energies of $^{12}\text{C}^{16}$ and $^{45}\text{Ca}^{70}$ MeV. Nuclear Physics A, 2013, 916, 168-182.	1.5	38
64	Emission of unstable clusters from hot Yb compound nuclei. Physical Review C, 2001, 63, .	2.9	37
65	Detection systems for range monitoring in proton therapy: Needs and challenges. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161227.	1.6	37
66	Properties of high-energy pions emitted from heavy-ion collisions at 1 GeV/nucleon. Zeitschrift für Physik A, 1995, 352, 175-179.	0.9	36
67	Photoactivation experiment on $^{197}\text{Au}$ and its implications for the dipole strength in heavy nuclei. Physical Review C, 2006, 73, .	2.9	36
68	Structure of high-spin states in $^{89}\text{Sr}$ and $^{90}\text{Sr}$ . Physical Review C, 2001, 63, .	2.9	35
69	Observation of Different Azimuthal Emission Patterns of $K^+$ and of $K^-$ Mesons in Heavy-Ion Collisions at $^{1.6}\text{A}^{2.4}\text{GeV}$ . Physical Review Letters, 2005, 95, 012301.	7.8	35
70	Resonance strengths in the $^{14}\text{N}$ and its implications for the dipole strength in heavy nuclei. Physical Review C, 2006, 73, .		

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73	A photo-neutron source for time-of-flight measurements at the radiation source ELBE. <i>Annals of Nuclear Energy</i> , 2007, 34, 36-50.	1.8	34
74	Fragment production in noncentral collisions of intermediate-energy heavy ions. <i>Physical Review C</i> , 2002, 65, .	2.9	33
75	A new mechanism for void-cascade interaction from nondestructive depth-resolved atomic-scale measurements of ion irradiation-induced defects in Fe. <i>Science Advances</i> , 2020, 6, eaba8437.	10.3	32
76	Subthreshold K <sup>+</sup> production in proton-nucleus collisions. <i>Zeitschrift für Physik A</i> , 1996, 356, 313-325.	0.9	31
77	Proton-recoil detectors for time-of-flight measurements of neutrons with kinetic energies from some tens of keV to a few MeV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 575, 449-455.	1.6	31
78	Dipole strength in <sup>144</sup> Sm studied via ( <sup>3</sup> He,n), ( <sup>3</sup> He,p), and ( <sup>3</sup> He, <sup>3</sup> He±) reactions. <i>Physical Review C</i> , 2010, 81, .	2.9	31
79	The Zn-vacancy related green luminescence and donor-acceptor pair emission in ZnO grown by pulsed laser deposition. <i>RSC Advances</i> , 2015, 5, 12530-12535.	3.6	31
80	Solving the stellar <sup>62</sup> Ni problem with AMS. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2010, 268, 1283-1286.	1.4	30
81	Inelastic scattering of fast neutrons from excited states in <sup>56</sup> Fe. <i>Nuclear Physics A</i> , 2014, 927, 41-52.	1.5	30
82	Vacancy complexes in nonequilibrium germanium-tin semiconductors. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	30
83	Decay of 1+ States as a New Probe of the Structure of 0+ Shape Isomers. <i>Physical Review Letters</i> , 2005, 95, 062501.	7.8	29
84	Studies of the out-of-plane emission of pions in symmetric heavy-ion collisions. <i>Zeitschrift für Physik A</i> , 1997, 357, 207-213.	0.9	28
85	Production of charged pions, kaons and antikaons in relativistic C + C and C + Au collisions. <i>European Physical Journal A</i> , 2000, 9, 397-410.	2.5	28
86	Induced conductivity in sol-gel ZnO films by passivation or elimination of Zn vacancies. <i>AIP Advances</i> , 2016, 6, .	1.3	28
87	Pygmy dipole strength close to particle-separation energies –The case of the Mo isotopes. <i>European Physical Journal A</i> , 2006, 27, 171-176.	2.5	27
88	Dipole strength of <sup>181</sup> Ta for the evaluation of the <sup>180</sup> Ta stellar neutron capture rate. <i>Physical Review C</i> , 2014, 90, .	2.9	26
89	Vacancy cluster in ZnO films grown by pulsed laser deposition. <i>Scientific Reports</i> , 2019, 9, 3534.	3.3	26
90	Pion production in mass- symmetric heavy ion collisions at 0.8–1.8 AGeV. <i>Zeitschrift für Physik A</i> , 1997, 357, 399-409.	0.9	25

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91	Evidence for different freeze-out radii of high- and low-energy pions emitted in Au+Au collisions at 1 AÅ-GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 20-24.	4.1	25
92	A new system for real-time data acquisition and pulse parameterization for digital positron annihilation lifetime spectrometers with high repetition rates. Journal of Instrumentation, 2021, 16, P08001.	1.2	25
93	Kaon and antikaon production in heavy ion collisions at 1.5 A GeV. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 2011-2015.	3.6	24
94	Electromagnetic dipole strength up to the neutron separation energy from $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle / \rangle \langle \text{mml:mn} \rangle 196 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{Pt} \langle \text{mml:math} \rangle \text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td} \langle \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ factor of the	2.9	24
95	Astrophysical $S$ factor of the	2.9	24
96	Enhanced flux pinning isotropy by tuned nanosized defect network in superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> films. Scientific Reports, 2019, 9, 15425.	3.3	24
97	Oxidation of amorphous HfNbTaTiZr high entropy alloy thin films prepared by DC magnetron sputtering. Journal of Alloys and Compounds, 2021, 869, 157978.	5.5	24
98	Positron spectroscopy of point defects in the skyrmion-lattice compound MnSi. Scientific Reports, 2016, 6, 29109.	3.3	23
99	Comparison of midvelocity fragment formation with projectilelike decay. Physical Review C, 2005, 71, .	2.9	22
100	Isospin observables from fragment energy spectra. Physical Review C, 2012, 86, .	2.9	22
101	Hydrogen-induced microstructural changes of Pd films. International Journal of Hydrogen Energy, 2013, 38, 12115-12125.	7.1	22
102	Surface sealing using self-assembled monolayers and its effect on metal diffusion in porous low- $k$ dielectrics studied using monoenergetic positron beams. Applied Surface Science, 2016, 368, 272-276.	6.1	22
103	Magnetic response of FeRh to static and dynamic disorder. RSC Advances, 2020, 10, 14386-14395.	3.6	21
104	Effect of nuclear deformation on the electric-dipole strength in the particle-emission threshold region. Physical Review C, 2007, 76, .	2.9	20
105	Dipole strength distribution of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle / \rangle \langle \text{mml:mn} \rangle 74 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ . Physical Review C, 2015, 92, .	2.9	20
106	Positron annihilation lifetime spectroscopy at a superconducting electron accelerator. Journal of Physics: Conference Series, 2017, 791, 012004.	0.4	20
107	Thermal evolution of defects in undoped zinc oxide grown by pulsed laser deposition. Journal of Applied Physics, 2014, 116, .	2.5	19
108	Sb-related defects in Sb-doped ZnO thin film grown by pulsed laser deposition. Journal of Applied Physics, 2018, 123, .	2.5	19



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109	NeuLAND: The high-resolution neutron time-of-flight spectrometer for R3B at FAIR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1014, 165701.	1.6	19
110	Subthreshold kaon production in Au on Au collisions at 1 GeV/u. Zeitschrift für Physik A, 1991, 341, 123-124.	0.9	18
111	Kaon production in heavy ion collisions and the nuclear equation of state. Nuclear Physics A, 1993, 553, 757-762.	1.5	18
112	High-spin structure of the spherical nucleus $^{90}\text{Y}$ . Physical Review C, 2002, 65, .	2.9	18
113	Impedance analysis of secondary phases in a Co-implanted ZnO single crystal. Physical Chemistry Chemical Physics, 2014, 16, 16030-16038.	2.8	18
114	Probing the Impact of the Initiator Layer on Grafted-from Polymer Brushes: A Positron Annihilation Spectroscopy Study. Macromolecules, 2017, 50, 5574-5581.	4.8	18
115	Boosting Room-Temperature Magnetoionics in a Non-Magnetic Oxide Semiconductor. Advanced Functional Materials, 2020, 30, 2003704.	14.9	18
116	Excitation and decay of projectilelike fragments formed in dissipative peripheral collisions at intermediate energies. Physical Review C, 2003, 68, .	2.9	17
117	Photodissociation of p-process nuclei studied by bremsstrahlung-induced activation. European Physical Journal A, 2006, 27, 135-140.	2.5	17
118	Instantaneous-shape sampling for calculation of the electromagnetic dipole strength in transitional nuclei. Physical Review C, 2009, 80, .	2.9	17
119	Photo-neutron reaction cross-sections for natZr in the bremsstrahlung end-point energies of 12-16 and 45-70 MeV. European Physical Journal A, 2014, 50, 1.	2.5	17
120	Engineering of optical and electrical properties of ZnO by non-equilibrium thermal processing: The role of zinc interstitials and zinc vacancies. Journal of Applied Physics, 2017, 122, 035303.	2.5	17
121	Microstructure, defect structure and hydrogen trapping in zirconium alloy Zr-1Nb treated by plasma immersion Ti ion implantation and deposition. Journal of Alloys and Compounds, 2018, 732, 80-87.	5.5	17
122	Vacancy-Hydrogen Interaction in Niobium during Low-Temperature Baking. Scientific Reports, 2020, 10, 8300.	3.3	17
123	Spin determination of particle unstable levels with particle correlations. Physical Review C, 2004, 69, .	2.9	16
124	Resonance triplet at $E_{\pm} = 4.5 \text{ MeV}$ in the $^{40}\text{Ca}(\hat{1}_{\pm}, \hat{1}_{\pm})^{44}\text{Ti}$ reaction. Physical Review C, 2013, 88, .	2.9	16
125	Kaon and antikaon production in dense nuclear matter. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 1895-1902.	3.6	15
126	Interplay of initial deformation and Coulomb proximity on nuclear decay. Physical Review C, 2004, 70, .	2.9	15





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145	Fragment isospin as a probe of heavy-ion collisions. <i>Physical Review C</i> , 2002, 65, .	2.9	12
146	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
147	Shallow-underground accelerator sites for nuclear astrophysics: Is the background low enough?. <i>European Physical Journal A</i> , 2012, 48, 1.	2.5	12
148	Role of electric and magnetic dipole strength functions in the $^{114}\text{Cd}$ nucleus. <i>Physical Review C</i> , 2019, 100, 014307.	2.9	12
149	High-sensitivity investigation of low-lying dipole strengths in $^{120}\text{Sn}$ . <i>Physical Review C</i> , 2020, 102, 014307.	2.9	12
150	Point and extended defects in heteroepitaxial $\text{Ga}_2\text{O}_3$ films. <i>Physical Review Materials</i> , 2020, 4, .	2.4	12
151	Pion and kaon emission from the fireball formed in Ne + NaF collisions at 1.2 GeV/nucleon. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 393, 31-35.	4.1	11
152	Prototyping and tests for an MRPC-based time-of-flight detector for 1 GeV neutrons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 654, 79-87.	1.6	11
153	First Experiments with MePS. <i>Journal of Physics: Conference Series</i> , 2013, 443, 012088.	0.4	11
154	Systematic investigation of projectile fragmentation using beams of unstable B and C isotopes. <i>Physical Review C</i> , 2016, 93, .	2.9	11
155	A detailed ellipsometric porosimetry and positron annihilation spectroscopy study of porous organosilicate-glass films with various ratios of methyl terminal and ethylene bridging groups. <i>Microporous and Mesoporous Materials</i> , 2020, 306, 110434.	4.4	11
156	Effect of roughness and nanoporosity on optical properties of black and reflective Al films prepared by magnetron sputtering. <i>Journal of Alloys and Compounds</i> , 2021, 872, 159744.	5.5	11
157	Cooling dynamics in multi-fragmentation processes. <i>Europhysics Letters</i> , 2006, 74, 806-812.	2.0	10
158	A high-resolution time-of-flight spectrometer with tracking capabilities for fission fragments and beams of exotic nuclei. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 594, 178-183.	1.6	10
159	Positron annihilation spectroscopy using high-energy photons. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 334-337.	1.8	10
160	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
161	Neutron total cross section measurements of gold and tantalum at the nELBE photoneutron source. <i>European Physical Journal A</i> , 2013, 49, 1.	2.5	10
162	Dipole strength in $^{80}\text{Se}$ nucleus. <i>Physical Review C</i> , 2019, 100, 014307.	2.9	10

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163	Photo-neutron reaction cross-sections for natMo in the bremsstrahlung end-point energies of 12-16 and 45-70 MeV. European Physical Journal A, 2016, 52, 1.	2.5	10
164	Direct experimental evidence for a multiparticle-hole ground state configuration of deformedMg33. Physical Review C, 2016, 94, .	2.9	10
165	Determination of the neutron-capture rate of C17 for r -process nucleosynthesis. Physical Review C, 2017, 95, .	2.9	10
166	Strange Mesons as a probe for dense nuclear matter. Progress in Particle and Nuclear Physics, 1999, 42, 209-219.	14.4	9
167	K+ and KÂ-production in heavy-ion collisions at SIS energies. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, S393-S400.	3.6	9
168	Photon induced positron annihilation spectroscopy: A nondestructive method for assay of defects in large engineering materials. Nuclear Instruments & Methods in Physics Research B, 2012, 270, 128-132.	1.4	9
169	Operation of a picosecond narrow-bandwidth Laserâ€Thomson-backscattering X-ray source. Nuclear Instruments & Methods in Physics Research B, 2013, 309, 214-217.	1.4	9
170	Strength of the xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>E</mml:mi><mml:mi>p</mml:mi></mml:msub></mml:mrow> resonance in the xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow>		

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181	Account of the intratrack radiolytic processes for interpretation of the AMOC spectrum of liquid water. Journal of Physics: Conference Series, 2013, 443, 012057.	1.6	8
182	Performance of timing Resistive Plate Chambers with protons from 200 to 800 MeV. Journal of Instrumentation, 2015, 10, C01043-C01043.	1.2	8
184	Effects of Substrate and Post-Growth Treatments on the Microstructure and Properties of ZnO Thin Films Prepared by Atomic Layer Deposition. Journal of Electronic Materials, 2016, 45, 6337-6345.	2.2	8
185	Coulomb dissociation of $N$ . Physical Review C, 2016, 93, .	2.9	8
186	Positron annihilation analysis of nanopores and growth mechanism of oblique angle evaporated TiO <sub>2</sub> and SiO <sub>2</sub> thin films and multilayers. Microporous and Mesoporous Materials, 2020, 295, 109968.	4.4	8
187	Dipole response of Rb <sup>87</sup> and its impact on the Rb <sup>86</sup> ( $n, \hat{1}^3$ )Rb <sup>87</sup> cross section. Physical Review C, 2020, 102, .	2.9	8
188	Zinc Oxide Defect Microstructure and Surface Chemistry Derived from Oxidation of Metallic Zinc: Thin-Film Transistor and Sensor Behavior of ZnO Films and Rods. Chemistry - A European Journal, 2021, 27, 5422-5431.	3.3	8
189	The Energy Dependence of the Electric Dipole Strength in Heavy Nuclei. Journal of the Korean Physical Society, 2011, 59, 1872-1875.	0.7	8
190	Dipole-strength distributions up to the particle-separation energies and photodissociation of Mo isotopes. Nuclear Physics A, 2007, 788, 331-336.	1.5	7
191	Use of superconducting linacs for positron generation: the EPOS system at the Forschungszentrum Dresden-Rossendorf (FZD). Journal of Physics: Conference Series, 2011, 262, 012003.	0.4	7
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