

Agnieszka Trzcińska

List of Publications by Year in descending order

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85
papers

1,361
citations

430874

18
h-index

345221

36
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85
all docs

85
docs citations

85
times ranked

1025
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutron Density Distributions Deduced from Antiprotonic Atoms. Physical Review Letters, 2001, 87, 082501. Neutron density distributions from antiprotonic Pb	7.8	319
2	^{208}Bi and ^{208}Pb	2.9	119
3	NEUTRON DENSITY DISTRIBUTIONS FROM ANTIPROTONIC ATOMS COMPARED WITH HADRON SCATTERING DATA. International Journal of Modern Physics E, 2004, 13, 343-351.	1.0	81
4	Neutron skin deduced from antiprotonic atom data. Physical Review C, 2007, 76, .	2.9	80
5	Neutron Halo in Heavy Nuclei from Antiproton Absorption. Physical Review Letters, 1994, 73, 3199-3202.	7.8	59
6	Production of medical Sc radioisotopes with an alpha particle beam. Applied Radiation and Isotopes, 2016, 118, 182-189.	1.5	56
7	Composition of the nuclear periphery from antiproton absorption. Physical Review C, 1998, 57, 2962-2973.	2.9	49
8	Cyclotron production of ^{43}Sc for PET imaging. EJNMMI Physics, 2015, 2, 33.	2.7	41
9	Information on antiprotonic atoms and the nuclear periphery from the PS209 experiment. Nuclear Physics A, 2001, 692, 176-181.	1.5	37
10	Effects of weakly coupled channels on quasielastic barrier distributions. Physical Review C, 2009, 80, .	2.9	33
11	Total reaction cross sections for $^8Li + ^{90}Zr$ at near-barrier energies. European Physical Journal A, 2015, 51, 1.	2.5	33
12	Composition of the nuclear periphery from antiproton absorption using short-lived residual nuclei. Physical Review C, 1999, 60, .	2.9	32
13	Production of neutron-rich nuclei in fragmentation reactions of ^{132}Sn	4.1	28
14	Production of Sc medical radioisotopes with proton and deuteron beams. Applied Radiation and Isotopes, 2018, 142, 104-112.	1.5	28
15	Difference of the root-mean-square sizes of neutron and proton distributions in nuclei: Comparison of theory with data. Physical Review C, 2005, 71, .	2.9	23
16	Smoothing of structure in the fusion and quasielastic barrier distributions for the ^{20}Ne	2.9	23
17	Nucleon density of ^{172}Yb and ^{176}Yb at the nuclear periphery determined with antiprotonic x rays. Physical Review C, 1998, 58, 3195-3204.	2.9	21
18	Nuclear surface studies with antiprotonic atom x rays. Physical Review C, 2007, 76, .	2.9	20

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19	Nucleon density in the nuclear periphery determined with antiprotonic x rays: Cadmium and tin isotopes. <i>Physical Review C</i> , 2003, 67, .	2.9	18
20	Probing the $^{17}\text{F} + \text{p}$ potential by elastic scattering at near-barrier energies. <i>Physical Review C</i> , 2012, 85, .	2.9	17
21	Medical Radioisotopes Produced Using the Alpha Particle Beam from the Warsaw Heavy Ion Cyclotron. <i>Acta Physica Polonica A</i> , 2015, 127, 1471-1474.	0.5	13
22	Quasielastic barrier distributions for the $^{20}\text{Ne} + ^{20}\text{Ni}$ system. <i>Physical Review C</i> , 2019, 99, .	2.9	11
23	Nucleon density in the nuclear periphery determined with antiprotonic x rays: Calcium isotopes. <i>Physical Review C</i> , 2001, 65, .	2.9	10
24	The LSO/APD array as a possible detector for in-beam PET in hadron therapy. <i>IEEE Transactions on Nuclear Science</i> , 2004, 51, 1389-1394.	2.0	10
25	Silver impregnated nanoparticles of titanium dioxide as carriers for ^{211}At . <i>Radiochimica Acta</i> , 2016, 104, 267-275.	1.2	10
26	Calculations and measurements of ^{154}Eu and ^{155}Eu in U^{235} fuel-like hot particles from Chernobyl fallout. <i>Journal of Environmental Radioactivity</i> , 1995, 26, 83-97.	1.7	9
27	Strong interaction and E^2 effect in even-antiprotonic Te atoms. <i>Physical Review C</i> , 2004, 69, .	2.9	9
28	Important influence of single neutron stripping coupling on near-barrier $^8\text{Li} + ^{90}\text{Zr}$ quasi-elastic scattering. <i>European Physical Journal A</i> , 2015, 51, 1.	2.5	9
29	Dissipation and tunneling in heavy-ion reactions near the Coulomb barrier. <i>Physical Review C</i> , 2019, 100, .	2.9	9
30	Neutron-rich fragments produced by in-flight fission of ^{238}U . <i>Physical Review C</i> , 2019, 99, .	2.9	9
31	Systematic reduction of the proton-removal cross section in neutron-rich medium-mass nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 811, 135962.	4.1	9
32	Antiprotonic investigation of the nuclear periphery. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1997, 56, 108-113.	0.4	8
33	Weak channels in backscattering of ^{20}Ne on ^{64}Ni , ^{118}Sn , and ^{208}Pb . <i>Physical Review C</i> , 2012, 85, .	2.9	8
34	Mechanism of the $^{7}\text{Li} + ^6\text{Li}$ Reaction at 25 MeV Energy of Deuterons, Values of Spectroscopic Factors and Asymptotic Normalization Coefficients for the $^{7}\text{Li} \rightarrow ^6\text{Li} + \text{n}$ Vertex. <i>Acta Physica Polonica B</i> , 2015, 46, 1037.	0.8	8
35	Gold fragmentation induced by stopped antiprotons. <i>Physical Review C</i> , 2002, 66, .	2.9	7
36	Coherent coupled-reaction-channels analysis of existing and new $^p + ^9\text{Be}$ data between 1.7 and 15 MeV/nucleon. <i>Physical Review C</i> , 2019, 99, .	2.9	7

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37	Be9+p breakup at 5.67A MeV in a full kinematics approach. Physical Review C, 2020, 101, .	2.9	7
38	Asymptotic normalization coefficient for ${}^{12}\text{C} + \text{p} \rightarrow \text{N}$ reaction and the ${}^{12}\text{C}(p, \gamma)\text{N}$ astrophysical S factor. European Physical Journal A, 2022, 58, 1.	2.5	6
39	BACKWARD ANGLE STRUCTURE IN THE ${}^{20}\text{Ne} + \text{Si}$ QUASIELASTIC SCATTERING. International Journal of Modern Physics E, 2013, 22, 1350073.	1.0	5
40	Targets for production of the medical radioisotopes with alpha and proton or deuteron beams. AIP Conference Proceedings, 2018, . .	0.4	5
41	Measurement and analysis of ${}^{10}\text{B} + \text{C}$ elastic scattering at energy of 41.3MeV. International Journal of Modern Physics E, 2019, 28, 1950028.	1.0	5
42	Information on the nuclear periphery deduced from the properties of heavy antiprotonic atoms. Nuclear Instruments & Methods in Physics Research B, 2004, 214, 157-159.	1.4	4
43	Elastic and inelastic scattering of ${}^{14}\text{N}$ ions by ${}^{11}\text{B}$ at 88 MeV versus that of ${}^{15}\text{N} + \text{B}$ at 84 MeV. Nuclear Physics A, 2015, 941, 167-178.	1.5	4
44	Elastic and inelastic scattering of ${}^{15}\text{N}$ ions by ${}^7\text{Li}$ at 81 MeV versus that of ${}^{14}\text{N}$ ions by ${}^7\text{Li}$ at 80 and 110 MeV. Nuclear Physics A, 2017, 958, 234-245.	1.5	4
45	Mechanism of the ${}^{11}\text{B}(\alpha, t){}^{12}\text{C}$ reaction at an energy of 40 MeV, role of exchange processes and collective excitations. European Physical Journal A, 2019, 55, 1.	2.5	4
46	Elastic and Inelastic Scattering of ${}^{15}\text{N}$ Ions by ${}^{12}\text{C}$ at 81 MeV and the Effect of Transfer Channels. Acta Physica Polonica B, 2019, 50, 753.	0.8	4
47	Unified analytical approximation of Gaussian and Voigtian lineshapes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 431, 548-550.	1.6	3
48	Title is missing!. , 1999, 118, 67-72.		3
49	Extending software repository hosting to code review and testing. Journal of Physics: Conference Series, 2015, 664, 062018.	0.4	3
50	Elastic and inelastic scattering of ${}^{15}\text{N}$ ions by ${}^9\text{Be}$ at 84 MeV. Nuclear Physics A, 2016, 947, 161-172.	1.5	3
51	Transfer Cross Sections at Near-barrier Energy for the ${}^{24}\text{Mg} + \text{Zr}$ Systems. Acta Physica Polonica B, 2018, 49, 387.	0.8	3
52	Scattering of ${}^{15}\text{N}$ Ions by ${}^{10, 11}\text{B}$ Nuclei at the Energy of 43 MeV. Acta Physica Polonica B, Proceedings Supplement, 2018, 11, 99.	0.1	3
53	Nuclear interactions of antiprotons: theory. Nuclear Physics A, 1999, 655, c257-c262.	1.5	2
54	Barrier height distributions – the influence of weak channels. EPJ Web of Conferences, 2011, 17, 05006.	0.3	2

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73	12C(15N, 14C)13N reaction at 81 MeV. Competition between one and two particle transfers. Nuclear Physics A, 2019, 992, 121638.	1.5	1
74	Study of Elastic Scattering of (^{10}B) Ions on (^{12}C) Nuclei at the Energy of 17.5 MeV. Acta Physica Polonica B, 2020, 51, 757.	0.8	1
75	Investigation of the Production of the Auger Electron Emitter (^{135}La) Using Medical Cyclotrons. Acta Physica Polonica B, 2020, 51, 861.	0.8	1
76	Nuclear Physics with Antiprotons. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1995, 50, 1077-1082.	1.5	0
77	Antiprotonic atoms as a tool to study the nuclear periphery. Nuclear Physics A, 1999, 655, c289-c294.	1.5	0
78	Exploring Nuclear Radii from Total Interaction Cross Sections of Medium Mass Nuclei. , 2009, , .		0
79	Nuclear deformation of [²⁰ Ne from [²⁰ Ne(105â€‰MeV)+[²⁰⁸ Pb scattering. AIP Conference Proceedings, 2010, , .	0.4	0
80	Investigating the radial distributions of medium-mass nuclei. Nuclear Physics A, 2010, 834, 467c-469c. Publisher's Note: Smoothing of structure in the fusion and quasielastic barrier distributions for	1.5	0
81	the<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">^{20}Ne+^{20}Ne</math> on^{208}Pb scattering. Nuclear Physics A, 2012, 896, 508-512. Publisher's Note: Weak channels in backscattering of^{20}Ne on^{208}Pb (2012).	2.9	0
82	Investigating the radial distributions of medium-mass nuclei. Nuclear Physics A, 2010, 834, 467c-469c. Publisher's Note: Weak channels in backscattering of^{20}Ne on^{208}Pb (2012).	2.9	0
83	Calcium targets for production of the medical Sc radioisotopes in reactions with p, d or $\hat{1}\pm$ projectiles. EPJ Web of Conferences, 2020, 229, 06004.	0.3	0
84	Nuclear periphery studied with antiprotonic atoms. , 2009, , 619-624.		0
85	Study of the $^{7}\text{Li}(d, t)^{6}\text{Li}$ Reaction at the Energy of 14.5 MeV. Acta Physica Polonica B, 2019, 50, 703.	0.8	0