

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

g-index

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 atoms. $\text{Pb} \times \text{Sn}$ and $\text{Bi} \times \text{Sn}$. NEUTRON DENSITY DISTRIBUTIONS FROM ANTIPROTONIC ATOMS COMPARED WITH HADRON SCATTERING DATA. International Journal of Modern Physics E, 2004, 13, 343-351.	7.8	319
2		2.9	119
3		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 $^{8}\text{Li} + ^{90}\text{Zr}$ 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 Sn projectiles at relativistic energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 703, 552-556.	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 Ne projectiles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 703, 552-556.	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. Physical Review C, 2003, 67, .	2.9	18
20	Probing the $^{17}\text{F}^+$ potential by elastic scattering at near-barrier energies. Physical Review C, 2012, 85, .	2.9	17
21	Medical Radioisotopes Produced Using the Alpha Particle Beam from the Warsaw Heavy Ion Cyclotron. Acta Physica Polonica A, 2015, 127, 1471-1474.	0.5	13
22	Quasielastic barrier distributions for the mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ne</mml:mi><mml:mprescripts /><mml:mn>20</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mi>Ni</mml:mi><mml:mprescripts /><mml:mn>58</mml:mn><mml:mo>,</mml:mo><mml:mn>60</mml:mn><mml:mo>,</mml:mo><mml:mn>61</mml:mn>	2.9	11
23	Nucleon density in the nuclear periphery determined with antiprotonic x rays: Calcium isotopes. Physical Review C, 2001, 65, .	2.9	10
24	The LSO/APD array as a possible detector for in-beam PET in hadron therapy. IEEE Transactions on Nuclear Science, 2004, 51, 1389-1394.	2.0	10
25	Silver impregnated nanoparticles of titanium dioxide as carriers for ^{211}At . Radiochimica Acta, 2016, 104, 267-275.	1.2	10
26	Calculations and measurements of ^{154}Eu and ^{155}Eu in "fuel-like" hot particles from Chernobyl fallout. Journal of Environmental Radioactivity, 1995, 26, 83-97.	1.7	9
27	Strong interaction and E2 effect in even-A antiprotonic Te atoms. Physical Review C, 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. European Physical Journal A, 2015, 51, 1.	2.5	9
29	Dissipation and tunneling in heavy-ion reactions near the Coulomb barrier. Physical Review C, 2019, 100, .	2.9	9
30	Neutron-rich fragments produced by in-flight fission of mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>U</mml:mi><mml:mprescripts /><mml:mn>238</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2019, 99, .	2.9	9
31	Systematic reduction of the proton-removal cross section in neutron-rich medium-mass nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135962.	4.1	9
32	Antiprotonic investigation of the nuclear periphery. Nuclear Physics, Section B, Proceedings Supplements, 1997, 56, 108-113.	0.4	8
33	Weak channels in backscattering of ^{20}Ne on $\text{Ni}, ^{118}\text{Sn}$, and ^{208}Pb . Physical Review C, 2012, 85, .	2.9	8
34	Mechanism of the $^{7}\text{Li}(\text{d}, \text{t})^{6}\text{Li}$ Reaction at 25 MeV Energy of Deuterons, Values of Spectroscopic Factors and Asymptotic Normalization Coefficients for the $^{7}\text{Li} \rightarrow ^{6}\text{Li} + ^{n}$ Vertex. Acta Physica Polonica B, 2015, 46, 1037.	0.8	8
35	Gold fragmentation induced by stopped antiprotons. Physical Review C, 2002, 66, .	2.9	7
36	Coherent coupled-reaction-channels analysis of existing and new mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> + <\mathml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:mn>9</mml:mn></mml:mmultiscripts></mml:math> data between 1.7 and 15 MeV/nucleon. Physical Review C, 2019, 99, .	0.19	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 $\text{C} + \text{p} \rightarrow \text{N}$ from the $\text{C} + \text{B} \rightarrow \text{Be}$ reaction and the astrophysical S factor. European Physical Journal A, 2022, 58, 1.	2.5	6
39	BACKWARD ANGLE STRUCTURE IN THE $\text{Ne}^{20} + \text{Si}^{28}$ 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 $^{10}\text{B} + ^{12}\text{C}$ 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}N ions by ^{11}B at 88 MeV versus that of $^{15}\text{N} + ^{11}\text{B}$ at 84 MeV. Nuclear Physics A, 2015, 941, 167-178.	1.5	4
44	Elastic and inelastic scattering of ^{15}N ions by ^{7}Li at 81 MeV versus that of ^{14}N ions by ^{7}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}N Ions by ^{12}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}N ions by ^{9}Be at 84 MeV. Nuclear Physics A, 2016, 947, 161-172.	1.5	3
51	Transfer Cross Sections at Near-barrier Energy for the $^{24}\text{Mg} + ^{90,92}\text{Zr}$ Systems. Acta Physica Polonica B, 2018, 49, 387.	0.8	3
52	Scattering of ^{15}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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55	Self-service for software development projects and HPC activities. Journal of Physics: Conference Series, 2014, 513, 052012.	0.4	2
56	Examination of the influence of transfer channels on the barrier height distribution: Scattering of α particles by ^{20}Ne . MML code. Nuclear Physics A, 2018, 971, 138-148.	2.9	2
57	Indirect Study of the $^{16}\text{O} + ^{16}\text{O}$ Fusion Reaction Toward Stellar Energies by the Trojan Horse Method. EPJ Web of Conferences, 2016, 117, 09013.	0.3	2
58	$^{7}\text{Li}(^{15}\text{N}, ^{14}\text{C})^{8}\text{Be}$ reaction at 81 MeV and $^{14}\text{C} + ^{8}\text{Be}$ interaction versus that of $^{13}\text{C} + ^{8}\text{Be}$. Nuclear Physics A, 2018, 971, 138-148.	1.5	2
59	$\text{Li}_6 + \text{N}_{15}$ interaction at $E_{\text{cm.}} = 23.1 \text{ MeV}$: Validation of the $\hat{\pi} \pm d$ cluster model of Li_6 . Physical Review C, 2021, 103, .	2.9	2
60	Influence of Single Particle Excitations on Barrier Distributions: $^{24}\text{Mg} + ^{90,92}\text{Zr}$. Acta Physica Polonica B, 2018, 49, 393.	0.8	2
61	Barrier distributions of the $\text{Mg}_{24} + \text{Zr}_{90,92}$ systems: Influence of energy dissipation. Physical Review C, 2020, 102, .	2.9	2
62	Study of the Nuclear Periphery with Antiprotons. Acta Physica Hungarica A Heavy Ion Physics, 2001, 13, 51-60.	0.4	1
63	A low energy storage ring for partly stripped radioactive ions. Nuclear Physics A, 2004, 746, 384-388.	1.5	1
64	Antiprotonic atoms – a tool for the investigation of the nuclear periphery. AIP Conference Proceedings, 2005, , .	0.4	1
65	Production of medium-mass neutron-rich nuclei in $[^{238}\text{U}]$ fission. , 2009, , .		1
66	Nuclear periphery studied with antiprotonic atoms. Hyperfine Interactions, 2009, 194, 271-276.	0.5	1
67	NEW DETECTOR SYSTEM FOR SUPER HEAVY ELEMENTS DETECTION. International Journal of Modern Physics E, 2010, 19, 672-677.	1.0	1
68	Barrier Height Distributions -- the Influence of Weak Channels. Acta Physica Polonica B, 2014, 45, 383.	0.8	1
69	The Channel Coupling and Triton Cluster Exchange Effects in ^3He Scattering on ^6Li Nuclei. Acta Physica Polonica B, 2014, 45, 1853.	0.8	1
70	Complex analysis of scattering 1p-shell nuclei in the framework of coupled channel method. Journal of Physics: Conference Series, 2016, 703, 012022.	0.4	1
71	Production efficiency and radioisotopic purity of ^{99m}Tc formed using the $(p,2n)$ reaction on a highly enriched ^{100}Mo target. Modern Physics Letters A, 2017, 32, 1740012.	1.2	1
72	Scattering of $\hat{\pi} \pm$ -particles by ^{11}B nuclei at an energy of 40 MeV and role of the exchange mechanism with transfer of ^{7}Li . International Journal of Modern Physics E, 2018, 27, 1850094.	1.0	1

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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 $^{20}\text{Ne}(105\text{MeV}) + ^{208}\text{Pb}$ 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 the $\text{Ne} + ^{208}\text{Pb}$ reaction. [10.1016/j.nuclphysa.2010.04.008]	1.5	0
81	Weak channels in backscattering of ^{20}Ne on ^{208}Pb . [10.1016/j.nuclphysa.2012.05.008]	2.9	0
82	Ne on ^{20}Ne scattering. [10.1016/j.nuclphysa.2012.05.008]	2.9	0
83	Calcium targets for production of the medical Sc radioisotopes in reactions with p, d or $\bar{\nu}$ 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