

Daniel Abriola

List of Publications by Year in descending order

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times ranked

1479
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#	ARTICLE	IF	CITATIONS
1	One-neutron transfer, complete fusion, and incomplete fusion from the $^9\text{Be} + ^{197}\text{Au}$ system at near-barrier energies. <i>Physical Review C</i> , 2021, 104, .	2.9	8
2	Compilation and Evaluation of Beta-Delayed Neutron Emission Probabilities and Half-Lives for $Z \geq 28$ Precursors. <i>Nuclear Data Sheets</i> , 2020, 168, 1-116.	2.2	19
3	Energy dependence of the optical potential of the weakly bound ^9Be projectile on the ^{197}Au target. <i>Nuclear Physics A</i> , 2020, 1000, 121789.	2.9	10
4	Investigation of the fusion process for the $^9\text{Be} + ^{197}\text{Au}$ system at near-barrier energies. <i>Physical Review C</i> , 2020, 101, .	1.5	14
5	^{236}U identification in the new AMS beamline at the TANDAR accelerator. <i>Journal of Physics: Conference Series</i> , 2019, 1291, 012001.	2.9	12
6	$^9\text{Be} + ^{120}\text{Sn}$ scattering at near-barrier energies within a four-body model. <i>Physical Review C</i> , 2018, 97, .	0.4	7
7	Breakup threshold anomaly in the elastic scattering of the $^9\text{Be} + ^{80}\text{Se}$ system. <i>Nuclear Physics A</i> , 2018, 979, 87-101.	2.9	23
8	AMS measurement of ^{10}Be concentrations in marine sediments from Chile Trench at the TANDAR laboratory. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 395, 1-4.	1.5	7
9	Bootstrap method for constructing covariance matrices of optical-model parameters in the study of the threshold anomaly. <i>EPJ Web of Conferences</i> , 2017, 146, 02050.	1.4	1
10	Elastic and inelastic scattering for the $^9\text{Be} + ^{80}\text{Se}$ system at near-barrier energies. <i>Physical Review C</i> , 2017, 95, 044607.	0.3	4
11	Elastic and inelastic scattering for the $^9\text{Be} + ^{80}\text{Se}$ system at near-barrier energies. <i>Physical Review C</i> , 2017, 95, 044607.	2.9	15
12	Uncertainties of optical-model parameters for the study of the threshold anomaly. <i>Journal of Physics: Conference Series</i> , 2015, 630, 012021.	2.9	20
13	Evaluation of Beta-Delayed Neutron Emission Probabilities and Half-Lives for $Z = 28$. <i>Nuclear Data Sheets</i> , 2015, 128, 131-184.	0.4	3
14	Recent activities for \hat{t}^2 -decay half-lives and \hat{t}^2 -delayed neutron emission of very neutron-rich isotopes. , 2014, .	2.2	22
15	First Compilation and Evaluation of Beta-Delayed Neutron Emission Probabilities and Associated Half-Lives for $A \approx 72$ Nuclei. <i>Nuclear Data Sheets</i> , 2014, 120, 66-69.	2.2	2
16	A New Approach to Estimating the Probability for \hat{t}^2 -delayed Neutron Emission. <i>Nuclear Data Sheets</i> , 2014, 120, 62-65.	2.2	4
17	^{215}Ac and ^{215}Pa isotopes. <i>Nuclear Data Sheets</i> , 2013, 114, 2023-2078.	2.2	1
18	^{215}Ac and ^{215}Pa isotopes. <i>Nuclear Data Sheets</i> , 2013, 114, 2023-2078.	2.2	22

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19	Evaluation of the $^{12}\text{C}(d, p)^{13}\text{C}$ reaction cross-section for energies and detection angles suitable for nuclear reaction analysis. Nuclear Instruments & Methods in Physics Research B, 2013, 301, 41-46.	1.4	17
20	Nuclear Data Sheets for A = 211. Nuclear Data Sheets, 2013, 114, 661-749.	2.2	42
21	Improving systematic predictions of $\langle \sigma \rangle$ -delayed neutron emission probabilities. Physical Review C, 2012, 86, .	2.9	32
22	Development of a Genetic Algorithm for the search of Optical Model parameters. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 2984-2989.	1.4	0
23	Development of a reference database for Ion Beam Analysis and future perspectives. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 2972-2978.	1.4	37
24	Proton elastic scattering differential cross-sections for ^{12}C . Nuclear Instruments & Methods in Physics Research B, 2011, 269, 2011-2016.	1.4	23
25	Information Management Tools for Evaluated Nuclear Structure Data File (ENSDF) Interrogation and Dissemination. Journal of the Korean Physical Society, 2011, 59, 1322-1324.	0.7	6
26	Measurements and Evaluation of Differential Cross-sections for In Beam Analysis. Journal of the Korean Physical Society, 2011, 59, 2010-2013.	0.7	1
27	Nuclear Data Sheets for A = 72. Nuclear Data Sheets, 2010, 111, 1-140.	2.2	70
28	Elastic scattering of $^7\text{Li}+^{27}\text{Al}$ at several angles in the $7\text{--}11\text{ MeV}$ energy range. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1793-1796.	1.4	8
29	Elastic Scattering of $^7\text{Li}+^{27}\text{Al}$ at Backward Angles in the $7\text{--}11\text{ MeV}$ Energy Range for Application in RBS. , 2010, , .		0
30	Nuclear Data Sheets for A = 84. Nuclear Data Sheets, 2009, 110, 2815-2944.	2.2	51
31	Nuclear Data Sheets for A = 96. Nuclear Data Sheets, 2008, 109, 2501-2655.	2.2	114
32	Elastic scattering with weakly bound projectiles. AIP Conference Proceedings, 2007, , .	0.4	1
33	Development of a Monte Carlo simulation program for elastic recoil spectrometry. AIP Conference Proceedings, 2007, , .	0.4	0
34	Breakup threshold anomaly in the elastic scattering of ^6Li on ^{27}Al . Physical Review C, 2007, 75, .	2.9	70
35	Study of the Threshold Anomaly in the Scattering of Li Isotopes on ^{27}Al . Nuclear Physics A, 2007, 787, 484-490.	1.5	29
36	^7Li breakup polarization potential at near barrier energies. Nuclear Physics A, 2007, 791, 24-35.	1.5	57

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37	Nuclear Data Sheets for A = 94. Nuclear Data Sheets, 2006, 107, 2423-2578.	2.2	118
38	Absence of the threshold anomaly in the elastic scattering of the weakly bound projectile $Li7$ on $Al27$. Physical Review C, 2006, 73, .	2.9	73
39	Threshold anomaly with weakly bound projectiles: Elastic scattering of $Be9+Al27$. Physical Review C, 2004, 70, .	2.9	70
40	Spurious ionic charge states in a tandem accelerator. Nuclear Instruments & Methods in Physics Research B, 2004, 223-224, 242-246.	1.4	6
41	Fusion, reaction and break-up cross sections of weakly bound projectiles on $64Zn$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 601, 20-26.	4.1	110
42	Measurement of inelastic-scattering cross sections in the $16O+28Si$ system to discriminate regular and chaotic regimes. Brazilian Journal of Physics, 2004, 34, 885-888.	1.4	1
43	Diffusion of Ta in $\hat{I}\pm$ -Ti. Applied Physics A: Materials Science and Processing, 2003, 76, 247-250.	2.3	12
44	Influence of the break-up on the fusion and scattering processes. Brazilian Journal of Physics, 2003, 33, 323-327.	1.4	3
45	Barrier distributions derived from quasielastic excitation functions for the $35Cl+105,106,110Pd$ systems. Physical Review C, 2002, 65, .	2.9	22
46	Fusion of stable weakly bound nuclei with $27Al$ and $64Zn$. Physical Review C, 2002, 66, .	2.9	69
47	No evidence of break-up effects on the fusion of $9Be$ with medium-light nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 534, 45-51.	4.1	60
48	The AMS system and research program at the TANDAR laboratory. Nuclear Instruments & Methods in Physics Research B, 2000, 172, 91-94.	1.4	3
49	Barrier distribution for the $32S+110Pd$ system derived from the quasielastic scattering excitation function. Physical Review C, 2000, 61, .	2.9	16
50	Barrier distributions derived from quasielastic excitation functions for the $12,13C+105,106Pd$ systems. Physical Review C, 2000, 62, .	2.9	10
51	Search for an annual modulation of dark-matter signals with a germanium spectrometer at the Sierra Grande Laboratory. Astroparticle Physics, 1999, 10, 133-139.	4.3	26
52	Cold dark matter identification: Diurnal modulation reexamined. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 114-116.	0.4	0
53	Solar axion experiments using coherent primakoff conversion in single crystals. Nuclear Physics, Section B, Proceedings Supplements, 1999, 72, 176-182.	0.4	16
54	Search for experimental evidence of chaotic behavior in nuclear scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 447, 41-45.	4.1	3

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55	A decommissioned LHC model magnet as an axion telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 425, 480-487.	1.6	116
56	Experimental search for solar axions. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 59-63.	0.4	12
57	Experimental Search for Solar Axions via Coherent Primakoff Conversion in a Germanium Spectrometer. Physical Review Letters, 1998, 81, 5068-5071.	7.8	85
58	Cold dark matter identification: Diurnal modulation reexamined. Physical Review D, 1997, 55, 7350-7355.	4.7	34
59	Average angular momentum in compound nucleus reactions deduced from isomer ratio measurements. Physical Review C, 1997, 55, 766-774.	2.9	23
60	The AMS program at the TANDAR accelerator. Nuclear Instruments & Methods in Physics Research B, 1997, 123, 39-42.	1.4	3
61	Looking for daily modulation effects of WIMPs in the Southern Hemisphere. Nuclear Physics, Section B, Proceedings Supplements, 1996, 48, 56-59.	0.4	4
62	Developments of AMS at the TANDAR accelerator. Nuclear Instruments & Methods in Physics Research B, 1996, 117, 156-160.	1.4	2
63	Searching for cold dark matter in the Southern Hemisphere. The experiment at Sierra Grande. Astroparticle Physics, 1996, 6, 63-69.	4.3	13
64	Sub- and near-barrier reactions for $C^{12}+^{108,110}Pd$ and $Li^7+^{113,115}In$. Physical Review C, 1996, 53, 1301-1308.	2.9	6
65	One and two charge stripping reactions in the $C^{12}+^{197}Au$ and $O^{16}+^{197}Au$ systems at large distances. Physical Review C, 1996, 54, 1282-1290.	2.9	7
66	Orbiting features in the strongly damped binary decay of the $Si^{28}+O^{16}$ system. Physical Review C, 1996, 53, 2926-2932.	2.9	9
67	Fusion cross sections in systems leading to Hf^{170} at near-barrier energies. Physical Review C, 1995, 51, 1336-1344.	2.9	31
68	Absence of anomalous entrance channel effects in sub-barrier heavy ion fusion. Physical Review C, 1994, 49, R1235-R1238.	2.9	9
69	Fusion of $S^{32}+^{154}Sm$ at sub-barrier energies. Physical Review C, 1994, 49, 245-249.	2.9	48
70	Measurements of Hf diffusion in $\hat{L}\pm$ -Ti by HIRBS. Journal of Nuclear Materials, 1993, 207, 221-227.	2.7	22
71	One neutron pickup reactions in the $S^{32}+^{144}Sm$ and $S^{32}+^{166}Er$ systems at energies close to the Coulomb barrier. Physical Review C, 1993, 48, 2840-2844.	2.9	7
72	Sub-barrier fusion of $O^{16}+^{144}Nd$. Physical Review C, 1993, 47, 2970-2973.	2.9	8

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73	Fusion and elastic scattering for the $C^{12}+^{144}Sm$ system at energies near to the Coulomb barrier. <i>Physical Review C</i> , 1992, 46, 244-249.	2.9	24
74	Determination of diffusion rates in $\hat{I}\pm$ -Ti by Heavy Ion Rutherford Backscattering. <i>Journal of Nuclear Materials</i> , 1992, 186, 206-208.	2.7	13
75	Hexadecapole deformation effects in subbarrier fusion reactions. <i>Physical Review C</i> , 1991, 43, 2303-2306.	2.9	22
76	The Coulomb excitation backscattering spectrometry technique for the study of the surfaces of materials. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1990, 47, 439-442.	1.4	0
77	Observation of mean-spin barrier bump in sub-barrier fusion of Si^{28} with Sm^{154} . <i>Physical Review Letters</i> , 1990, 65, 3100-3103.	7.8	52
78	Search for a valence-neutron-induced enhancement in the sub-barrier fusion of $S^{32}+^{12,13}C$. <i>Physical Review C</i> , 1990, 41, 2654-2657.	2.9	6
79	Energy dependence of the optical potential for the $O^{16}+^{144}Sm$ system near the Coulomb barrier. <i>Physical Review C</i> , 1989, 39, 546-552.	2.9	31
80	Subbarrier fusion of $^{147,149}Sm$. <i>Physical Review C</i> , 1989, 39, 516-523.	2.9	54
81	Improved beam-energy calibration technique for heavy-ion accelerators. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1989, 42, 389-392.	1.4	4
82	Examination of nuclear measurement conditions in cold fusion experiments. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 265, 355-360.	0.1	9
83	Near-barrier transfer in $^{16}O + ^{144, 154}Sm$. <i>Zeitschrift für Physik A, Atomic Nuclei</i> , 1988, 331, 451-455.	0.3	0
84	$B^{10}(^{7}Li, ^{7}Be)^{10}Be$ charge-exchange reaction. <i>Physical Review C</i> , 1988, 38, 2124-2133.	2.9	25
85	Nuclear deformation effects in sub-barrier fusion of $^{16}O+^{147,149}Sm$. , 1988, , 46-50.		0
86	Band structure in Re^{180} and the different coupling schemes in a deformed doubly odd nucleus. <i>Physical Review C</i> , 1987, 36, 2309-2321.	2.9	40
87	Scattering, fusion and transfer reactions in at energies close to the Coulomb barrier. <i>Nuclear Physics A</i> , 1987, 471, 587-603.	1.5	5
88	Fusion of at sub-barrier energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986, 176, 322-326.	4.1	56
89	Search for transfer-induced $C^{12}+C^{12}$ resonances in the $C^{12}(O^{16}, \hat{A}\pm)Mg^{*24}$ reaction. <i>Physical Review C</i> , 1983, 27, 2649-2655.	2.9	7
90	Search for direct \hat{I}^3 -transitions in $^{12}C+^{12}C$. , 1982, , 290-294.		0

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91	In-beam study of ^{78}Br . Nuclear Physics A, 1982, 376, 131-148.	1.5	14
92	Direct ^{13}C transitions in $\text{C}^{12}+\text{C}^{12}$. Physical Review C, 1981, 24, 2374-2377.	2.9	14
93	High-spin states in ^{78}Br . Journal of Physics G: Nuclear Physics, 1980, 6, L89-L93.	0.8	5