

Vinicius Antonio Bocaline Zagatto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5378853/publications.pdf>

Version: 2024-02-01

58
papers

812
citations

516710

16
h-index

526287

27
g-index

59
all docs

59
docs citations

59
times ranked

369
citing authors

#	ARTICLE	IF	CITATIONS
1	The NUMEN project: NUclear Matrix Elements for Neutrinoless double beta decay. European Physical Journal A, 2018, 54, 1.	2.5	146
2	Analysis of two-nucleon transfer reactions in the ^{116}Ne system at 306 MeV. Physical Review C, 2019, 100, .	2.9	42
3	populated with ^{18}O . Physical Review C, 2019, 100, .	2.9	41
4	Elastic and inelastic scattering and total reaction cross sections on a ^{20}Ge target. Physical Review C, 2011, 84, .	2.9	36
5	A Constrained Analysis of the $^{40}\text{Ca}(^{18}\text{O},^{18}\text{F})^{40}\text{K}$ Direct Charge Exchange Reaction Mechanism at 275 MeV. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	32
6	One-proton transfer reaction for the $^{18}\text{O} + ^{48}\text{Ti}$ system at 275 MeV. Physical Review C, 2021, 104, .	2.9	27
7	The NUMEN Heavy Ion Multidetector for a Complementary Approach to the Neutrinoless Double Beta Decay. Universe, 2020, 6, 129.	2.5	26
8	Important role of projectile excitation in $^{16}\text{O} + ^{60}\text{Ni}$ and $^{16}\text{O} + ^{60}\text{Zn}$ systems. Physical Review C, 2017, 95, .	2.9	23
9	Charge-state distributions of ^{20}Ne ions emerging from thin foils. Results in Physics, 2019, 13, 102191.	4.1	22
10	Multichannel experimental and theoretical constraints for the ^{116}Ne system at 306 MeV. Physical Review C, 2019, 100, .	2.9	22
11			
12			
13			

#	ARTICLE	IF	CITATIONS
19	<p>nd inelastic scattering of ^{16}O on ^{16}O</p> <p>Physical Review C, 2019, 100, .</p>	2.9	16
20	<p>elastic and ^{76}Ge reactions on ^{18}O</p> <p>Physical Review C, 2019, 100, .</p>	2.9	16
21	<p>Reaction mechanisms of the $^{18}\text{O} + ^{18}\text{O}$ collisions at ^{18}O</p> <p>Physical Review C, 2019, 100, .</p>	2.9	16
22	<p>Systematic study of optical-potential strengths in $^{18}\text{O} + ^{18}\text{O}$ reactions on ^{18}O</p> <p>Physical Review C, 2019, 100, .</p>	2.9	14
23	<p>Investigation of the fusion process for ^{120}Sn involving strongly bound, ^{120}Sn</p> <p>Physical Review C, 2019, 100, .</p>	2.9	14
24	<p>$^{10}\text{B} + ^{197}\text{Au}$ at near-barrier energies. Physical Review C, 2020, 101, .</p>	2.9	12
25	<p>The $^{8}\text{Li}(p, \alpha)^{5}\text{He}$ reaction at low energies, and ^{9}Be spectroscopy around the proton threshold. Physical Review C, 2012, 86, .</p> <p>Spectroscopy of high-lying resonances in ^{9}Be</p>	2.9	11

26

#	ARTICLE	IF	CITATIONS
37	Studying of $^{16}\text{O} + ^{18}\text{O}$ beams on ^{64}Zn system. Physical Review C, 2019, 100, .	2.9	6
38	Natural Radioactivity in Bananas. AIP Conference Proceedings, 2008, , .	0.4	4
39	^{13}C -Particle coincidence technique for the study of nuclear reactions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 749, 19-26.	1.6	4
40	Reaction mechanisms of the $^{16}\text{O} + ^{65}\text{Zn}$ system. Physical Review C, 2019, 100, .	2.9	4
41	Reaction mechanisms of the $^{16}\text{O} + ^{58}\text{Ni}$ system. Physical Review C, 2021, 103, .	2.9	4
42	Spin-orbit effects in the $^8\text{Li} + ^{58}\text{Ni}$ elastic scattering. Journal of Physics: Conference Series, 2019, 1291, 012030.	0.4	3
43	Strong neutron-transfer coupling effects in the reaction mechanism of the $^{16}\text{O} + ^{64}\text{Zn}$ system at energies near the Coulomb barrier. Physical Review C, 2019, 100, .	2.9	3
44	Exploring the potential of the São Paulo Potential. EPJ Web of Conferences, 2010, 2, 02002.	0.3	2
45	Study of reactions induced by ^6He on ^9Be . EPJ Web of Conferences, 2014, 66, 03071.	0.3	1
46	The nuclear matrix elements of $0\nu\beta\beta$ decay and the NUMEN project at INFN-LNS. Journal of Physics: Conference Series, 2016, 730, 012006.	0.4	1
47	The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2019, , .	0.4	1
48	Nuclear reaction studies with particle-gamma coincidences using the <i>Saci-Perere</i> spectrometer. Journal of Physics: Conference Series, 2010, 205, 012046.	0.4	0
49	Post-stripper study for the (^{20}Ne , ^{20}O) double charge exchange reaction at zero degrees with the MAGNEX spectrometer. Journal of Physics: Conference Series, 2018, 1056, 012052.	0.4	0
50	Data reduction for experimental measurements within the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012010.	0.4	0
51	Experimental issues for the measurement of the double charge exchange reactions within the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012011.	0.4	0
52	Heavy-ion particle identification for the transfer reaction channels for the system $^{18}\text{O} + ^{116}\text{Sn}$ under the NUMEN Project. Journal of Physics: Conference Series, 2018, 1056, 012015.	0.4	0
53	New experimental campaign of NUMEN project. AIP Conference Proceedings, 2019, , .	0.4	0
54	The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2019, , .	0.4	0

#	ARTICLE	IF	CITATIONS
55	Recent results on heavy-ion direct reactions of interest for $0^{\uparrow}1/2^{\uparrow}2^{\uparrow}2^{\uparrow}$ decay at INFN - LNS. Journal of Physics: Conference Series, 2020, 1610, 012004.	0.4	0
56	Determination of stable isotope ratios using nuclear reaction analysis coupled with a particle- γ coincidence method. Journal of Analytical Atomic Spectrometry, 2021, 36, 120-132.	3.0	0
57	Spectroscopy of high lying resonances in ^9Be produced with radioactive ^8Li beams. EPJ Web of Conferences, 2014, 69, 00006.	0.3	0
58	Using Double Charge Exchange Reactions Towards ^{20}O Nuclear Matrix Elements. Acta Physica Polonica B, 2016, 47, 929.	0.8	0