

Francisco de Assis Souza

List of Publications by Year in descending order

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papers

536
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840776

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docs citations

33
times ranked

269
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-barrier fusion of weakly bound ${}^6\text{Li}$ and ${}^7\text{Li}$ nuclei with ${}^{59}\text{Co}$. <i>Physical Review C</i> , 2003, 67, .	2.9	126
2	Reaction mechanisms in the ${}^6\text{Li}+{}^{59}\text{Co}$ system. <i>Nuclear Physics A</i> , 2009, 821, 36-50.	1.5	57
3	New measurement of the ${}^{11}\text{B}(p, \hat{1}\pm 0){}^8\text{Be}$ bare-nucleus S (E) factor via the Trojan horse method. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2012, 39, 015106.	3.6	53
4	Measurement of the 10 keV resonance in the ${}^{10}\text{B}(p, \hat{1}\pm 0){}^7\text{Be}$ reaction. <i>Physical Review C</i> , 2014, 90, .	2.9	52
5	Effect of breakup on elastic scattering for the ${}^6\text{Li}+{}^{59}\text{Co}$ systems. <i>Physical Review C</i> , 2007, 75, .	2.9	44
6	Boron depletion: indirect measurement of the ${}^{10}\text{B}(p, \hat{1}\pm 0){}^7\text{Be}$ $S(E)$ -factor. <i>Nuclear Physics A</i> , 2007, 787, 309-314.	1.5	39
7	Measurement of the ${}^{10}\text{B}(p, \hat{1}\pm 0){}^7\text{Be}$ cross section from 5 keV to 1.5 MeV in a single experiment using the Trojan horse method. <i>Physical Review C</i> , 2017, 95, .	2.9	30
8	Projectile breakup dynamics for ${}^6\text{Li} + {}^{59}\text{Co}$: Kinematical analysis of α - d coincidences. <i>European Physical Journal A</i> , 2010, 44, 181-187.	2.5	23
9	Reaction mechanisms for weakly-bound, stable nuclei and unstable, halo nuclei on medium-mass targets. <i>Nuclear Physics A</i> , 2010, 834, 440c-445c.	1.5	22
10	${}^6\text{Li}$ direct breakup lifetimes. <i>Nuclear Physics A</i> , 2010, 834, 420c-423c.	1.5	18
11	Study of ${}^9\text{Be}+{}^{12}\text{C}$ elastic scattering at energies near the Coulomb barrier. <i>Nuclear Physics A</i> , 2011, 856, 46-54.	1.5	13
12	Light heavy-ion reactions: time scales and emission order of light products. <i>Nuclear Physics A</i> , 2001, 696, 64-84.	1.5	8
13	A triple telescope for the simultaneous identification of light and heavy reaction products. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 471, 368-373.	1.6	8
14	The Trojan horse method in nuclear astrophysics: recent results. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 014008.	3.6	7
15	Structure effects in the elastic scattering for the ${}^{16}\text{O} + {}^{46,50}\text{Ti}$ systems. <i>Nuclear Physics A</i> , 2007, 781, 342-349.	1.5	6
16	CLUSTER MODEL FOR REACTIONS INDUCED BY WEAKLY BOUND AND/OR EXOTIC HALO NUCLEI WITH MEDIUM-MASS TARGETS. <i>International Journal of Modern Physics E</i> , 2011, 20, 943-946.	1.0	6
17	Time scales for binary processes from light heavy-ion reactions. <i>Physical Review C</i> , 2002, 66, .	2.9	5
18	A large area two-dimensional position sensitive multiwire proportional detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999, 433, 623-629.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Fusion of weakly bound light nuclei. Nuclear Physics A, 2003, 718, 544-546.	1.5	3
20	Fusion of light weakly bound nuclei. Nuclear Physics A, 2003, 722, C248-C253.	1.5	3
21	Fusion and breakup in reactions involving weakly bound nuclei. Nuclear Physics A, 2004, 734, 311-314.	1.5	3
22	Dynamics of light heavy-ion reactions in the framework of their time scales. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 579, 271-277.	4.1	1
23	Estudo experimental do movimento de partículas carregadas em campos elétricos e magnéticos: seletor de velocidades. Revista Brasileira De Ensino De Fisica, 2009, 31, 2308.1-2308.9.	0.2	1
24	Absolute normalization for uncorrelated background with the event mixing technique. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 612, 196-200.	1.6	1
25	Direct measurement of the breakup process. Brazilian Journal of Physics, 2005, 35, 888-889.	1.4	1
26	Electron screening effects in $(p, \hat{\pm})$ reactions induced on boron isotopes studied via the Trojan Horse Method. Journal of Physics: Conference Series, 2013, 436, 012075.	0.4	0
27	Study of the $^{10}\text{B}(p, \hat{\pm})^{7}\text{Be}$ reaction through the indirect Trojan Horse method. , 2015, , .		0
28	Trojan Horse Method: recent results in nuclear astrophysics. Journal of Physics: Conference Series, 2015, 630, 012020.	0.4	0
29	The $^{10}\text{B}(p, \hat{\pm})^{7}\text{Be}$ S(E)-factor from 5 keV to 1.5 MeV using the Trojan Horse Method. EPJ Web of Conferences, 2017, 165, 01042.	0.3	0
30	Study of the effect of the breakup on the fusion cross section of the systems $^6,7\text{Li}+^{59}\text{Co}$. Brazilian Journal of Physics, 2004, 34, 907-909.	1.4	0
31	Estudo de filtros RC para baixas e altas frequências por meio de um circuito para superposição de sinais. Revista Brasileira De Ensino De Fisica, 2010, 32, 1309-1307.	0.2	0