Gustavo Nobre

List of Publications by Year
in descending order

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33	3,895	687220	377752
papers	citations	13 h-index	34 g-index

37	37	37	2985
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ENDF/B-VII.1 Nuclear Data for Science and Technology: Cross Sections, Covariances, Fission Product Yields and Decay Data. Nuclear Data Sheets, 2011, 112, 2887-2996.	0.7	2,100
2	ENDF/B-VIII.0: The 8 th Major Release of the Nuclear Reaction Data Library with CIELO-project Cross Sections, New Standards and Thermal Scattering Data. Nuclear Data Sheets, 2018, 148, 1-142.	0.7	1,324
3	CIELO Collaboration Summary Results: International Evaluations of Neutron Reactions on Uranium, Plutonium, Iron, Oxygen and Hydrogen. Nuclear Data Sheets, 2018, 148, 189-213.	0.7	73
4	Computational nuclear quantum many-body problem: The UNEDF project. Computer Physics Communications, 2013, 184, 2235-2250.	3.0	52
5	Evaluation of Neutron Reactions on Iron Isotopes for CIELO and ENDF/B-VIII.0. Nuclear Data Sheets, 2018, 148, 214-253.	0.7	48
6	Consistent analysis of peripheral reaction channels and fusion for the 16,18O+58Ni systems. Nuclear Physics A, 2005, 748, 59-74.	0.6	45
7	Coulomb and nuclear potentials between deformed nuclei. Physical Review C, 2004, 70, .	1.1	31
8	Elastic, inelastic, and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>n</mml:mi></mml:mrow></mml:r transfer cross sections for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">B</mml:mi><mml:mprescripts /><mml:none /><mml:mn>10</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mi mat	1.1	27
9	Coupled-Channel Calculation of Nonelastic Cross Sections Using a Density-Functional Structure Model. Physical Review Letters, 2010, 105, 202502.	2.9	25
10	Systematical study of the optical potential for systems likeA+58Nifrom sub-barrier data analyses. Physical Review C, 2003, 67, .	1.1	21
11	Consistent analysis of fusion data without adjustable parameters for a wide variety of heavy-ion systems. Physical Review C, 2007, 75, .	1.1	19
12	Toward a microscopic reaction description based on energy-density-functional structure models. Physical Review C, 2011, 84, .	1.1	15
13	O18+Pd110: Measurements and realistic coupled-channel analysis in a transitional region. Physical Review C, 2006, 74, .	1.1	12
14	Elastic, inelastic scatterings and transfer reactions for 16,18O on 58Ni described by the SÃ£o Paulo potential. Brazilian Journal of Physics, 2005, 35, 909-911.	0.7	10
15	Understanding fusion suppression and enhancement in the 18O + 58,60,64Ni systems. Nuclear Physics A, 2009, 826, 211-222.	0.6	9
16	Consistent analysis of fusion data without adjustable parameters for systems involving odd nuclei. Physical Review C, 2007, 76, .	1.1	8
17	Derivation of an optical potential for statically deformed rare-earth nuclei from a global spherical potential. Physical Review C, 2015, 91, .	1.1	8
18	Evidence of a slight nuclear transparency in the alpha-nucleus systems. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 055102.	1.4	8

#	Article	IF	Citations
19	Tunneling through a parabolic barrier coupled to an oscillatory degree of freedom: Application to heavy-ion fusion at sub-barrier energies. Nuclear Physics A, 2007, 786, 90-106.	0.6	6
20	Uncertainty quantification in the Nuclear Data Program. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 034020.	1.4	6
21	The CIELO collaboration: Progress in international evaluations of neutron reactions on Oxygen, Iron, Uranium and Plutonium. EPJ Web of Conferences, 2017, 146, 02001.	0.1	5
22	Î³-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.	0.7	4
23	Constraining level densities through quantitative correlations with cross-section data. Physical Review C, 2020, 101, .	1.1	4
24	Comparison between the zero point motion and generalized frozen approximation models in accounting for heavy-ion fusion data. Physical Review C, 2007, 76, .	1.1	2
25	Effect on the heavy-ion fusion and elastic scattering cross sections of common approximations assumed in coupled-channel calculations. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 025102.	1.4	2
26	New56Fe Evaluation for the CIELO project. EPJ Web of Conferences, 2016, 111, 03001.	0.1	2
27	Impact of alternative transmission coefficient parametrizations on Hauser-Feshbach theory. Physical Review C, 2018, 98, .	1.1	2
28	Coulomb and nuclear potentials between deformed nuclei applied to the fusion process. Brazilian Journal of Physics, 2005, 35, 906-908.	0.7	1
29	Reaction cross-section predictions for nucleon induced reactions. Journal of Physics: Conference Series, 2011, 312, 082033.	0.3	1
30	Coupled channels optical model potential for rare earth nuclei. EPJ Web of Conferences, 2014, 69, 00007.	0.1	1
31	Towards an optical potential for rare-earths through coupled channels. , 2014, , .		1
32	Production of platinum radioisotopes at Brookhaven Linac Isotope Producer (BLIP). EPJ Web of Conferences, 2017, 146, 09029.	0.1	1
33	Constraining Level Densities Using Spectral Data. Springer Proceedings in Physics, 2021, , 133-138.	0.1	0