Gustavo Nobre

List of Publications by Year
in descending order

33	3,895	687363 13	377865 34
papers	citations	h-index	g-index

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

#	Article	IF	Citations
1	Constraining Level Densities Using Spectral Data. Springer Proceedings in Physics, 2021, , 133-138.	0.2	0
2	Constraining level densities through quantitative correlations with cross-section data. Physical Review C, 2020, 101, .	2.9	4
3	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:math 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	2.9	27
4	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.	2.2	1,324
5	CIELO Collaboration Summary Results: International Evaluations of Neutron Reactions on Uranium, Plutonium, Iron, Oxygen and Hydrogen. Nuclear Data Sheets, 2018, 148, 189-213.	2.2	73
6	Evaluation of Neutron Reactions on Iron Isotopes for CIELO and ENDF/B-VIII.0. Nuclear Data Sheets, 2018, 148, 214-253.	2.2	48
7	Impact of alternative transmission coefficient parametrizations on Hauser-Feshbach theory. Physical Review C, 2018, 98, .	2.9	2
8	The CIELO collaboration: Progress in international evaluations of neutron reactions on Oxygen, Iron, Uranium and Plutonium. EPJ Web of Conferences, 2017, 146, 02001.	0.3	5
9	Production of platinum radioisotopes at Brookhaven Linac Isotope Producer (BLIP). EPJ Web of Conferences, 2017, 146, 09029.	0.3	1
10	New56Fe Evaluation for the CIELO project. EPJ Web of Conferences, 2016, 111, 03001.	0.3	2
11	Uncertainty quantification in the Nuclear Data Program. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 034020.	3.6	6
12	Derivation of an optical potential for statically deformed rare-earth nuclei from a global spherical potential. Physical Review C, 2015, 91, .	2.9	8
13	Evidence of a slight nuclear transparency in the alpha-nucleus systems. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 055102.	3.6	8
14	Coupled channels optical model potential for rare earth nuclei. EPJ Web of Conferences, 2014, 69, 00007.	0.3	1
15	Towards an optical potential for rare-earths through coupled channels. , 2014, , .		1
16	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.	1.6	4
17	Computational nuclear quantum many-body problem: The UNEDF project. Computer Physics Communications, 2013, 184, 2235-2250.	7.5	52
18	Reaction cross-section predictions for nucleon induced reactions. Journal of Physics: Conference Series, 2011, 312, 082033.	0.4	1

#	Article	IF	Citations
19	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.	2.2	2,100
20	Toward a microscopic reaction description based on energy-density-functional structure models. Physical Review C, 2011, 84, .	2.9	15
21	Coupled-Channel Calculation of Nonelastic Cross Sections Using a Density-Functional Structure Model. Physical Review Letters, 2010, 105, 202502.	7.8	25
22	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.	3.6	2
23	Understanding fusion suppression and enhancement in the 18O + 58,60,64Ni systems. Nuclear Physics A, 2009, 826, 211-222.	1.5	9
24	Consistent analysis of fusion data without adjustable parameters for a wide variety of heavy-ion systems. Physical Review C, 2007, 75, .	2.9	19
25	Consistent analysis of fusion data without adjustable parameters for systems involving odd nuclei. Physical Review C, 2007, 76, .	2.9	8
26	Comparison between the zero point motion and generalized frozen approximation models in accounting for heavy-ion fusion data. Physical Review C, 2007, 76, .	2.9	2
27	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.	1.5	6
28	O18+Pd110: Measurements and realistic coupled-channel analysis in a transitional region. Physical Review C, 2006, 74, .	2.9	12
29	Consistent analysis of peripheral reaction channels and fusion for the 16,18O+58Ni systems. Nuclear Physics A, 2005, 748, 59-74.	1.5	45
30	Coulomb and nuclear potentials between deformed nuclei applied to the fusion process. Brazilian Journal of Physics, 2005, 35, 906-908.	1.4	1
31	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.	1.4	10
32	Coulomb and nuclear potentials between deformed nuclei. Physical Review C, 2004, 70, .	2.9	31
33	Systematical study of the optical potential for systems likeA+58Nifrom sub-barrier data analyses. Physical Review C, 2003, 67, .	2.9	21