

# Gustavo Nobre

## List of Publications by Year in descending order

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33  
papers

3,895  
citations

687220

13  
h-index

377752

34  
g-index

37  
all docs

37  
docs citations

37  
times ranked

2985  
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraining Level Densities Using Spectral Data. Springer Proceedings in Physics, 2021, , 133-138.	0.1	0
2	Constraining level densities through quantitative correlations with cross-section data. Physical Review C, 2020, 101, .	1.1	4
3	transfer cross sections for the $\int_{x_1}^{x_2} \frac{d\sigma}{d\Omega}(\theta) d\Omega$	1.1	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.	0.7	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.	0.7	73
6	Evaluation of Neutron Reactions on Iron Isotopes for CIELO and ENDF/B-VIII.0. Nuclear Data Sheets, 2018, 148, 214-253.	0.7	48
7	Impact of alternative transmission coefficient parametrizations on Hauser-Feshbach theory. Physical Review C, 2018, 98, .	1.1	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.	0.1	5
9	Production of platinum radioisotopes at Brookhaven Linac Isotope Producer (BLIP). EPJ Web of Conferences, 2017, 146, 09029.	0.1	1
10	New <sup>56</sup> Fe Evaluation for the CIELO project. EPJ Web of Conferences, 2016, 111, 03001.	0.1	2
11	Uncertainty quantification in the Nuclear Data Program. Journal of Physics C: Nuclear and Particle Physics, 2015, 42, 034020.	1.4	6
12	Derivation of an optical potential for statically deformed rare-earth nuclei from a global spherical potential. Physical Review C, 2015, 91, .	1.1	8
13	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
14	Coupled channels optical model potential for rare earth nuclei. EPJ Web of Conferences, 2014, 69, 00007.	0.1	1
15	Towards an optical potential for rare-earths through coupled channels. , 2014, , .		1
16	<sup>3</sup> He-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
17	Computational nuclear quantum many-body problem: The UNEDF project. Computer Physics Communications, 2013, 184, 2235-2250.	3.0	52
18	Reaction cross-section predictions for nucleon induced reactions. Journal of Physics: Conference Series, 2011, 312, 082033.	0.3	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.	0.7	2,100
20	Toward a microscopic reaction description based on energy-density-functional structure models. Physical Review C, 2011, 84, .	1.1	15
21	Coupled-Channel Calculation of Nonelastic Cross Sections Using a Density-Functional Structure Model. Physical Review Letters, 2010, 105, 202502.	2.9	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.	1.4	2
23	Understanding fusion suppression and enhancement in the $^{18}\text{O} + ^{58,60,64}\text{Ni}$ systems. Nuclear Physics A, 2009, 826, 211-222.	0.6	9
24	Consistent analysis of fusion data without adjustable parameters for a wide variety of heavy-ion systems. Physical Review C, 2007, 75, .	1.1	19
25	Consistent analysis of fusion data without adjustable parameters for systems involving odd nuclei. Physical Review C, 2007, 76, .	1.1	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, .	1.1	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.	0.6	6
28	$\text{O}^{18} + \text{Pd}^{110}$ : Measurements and realistic coupled-channel analysis in a transitional region. Physical Review C, 2006, 74, .	1.1	12
29	Consistent analysis of peripheral reaction channels and fusion for the $^{16,18}\text{O} + ^{58}\text{Ni}$ systems. Nuclear Physics A, 2005, 748, 59-74.	0.6	45
30	Coulomb and nuclear potentials between deformed nuclei applied to the fusion process. Brazilian Journal of Physics, 2005, 35, 906-908.	0.7	1
31	Elastic, inelastic scatterings and transfer reactions for $^{16,18}\text{O}$ on $^{58}\text{Ni}$ described by the São Paulo potential. Brazilian Journal of Physics, 2005, 35, 909-911.	0.7	10
32	Coulomb and nuclear potentials between deformed nuclei. Physical Review C, 2004, 70, .	1.1	31
33	Systematical study of the optical potential for systems like $A + ^{58}\text{Ni}$ from sub-barrier data analyses. Physical Review C, 2003, 67, .	1.1	21