

# Guilherme Amadio

## List of Publications by Year in descending order

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32  
papers

253  
citations

1163117

8  
h-index

940533

16  
g-index

33  
all docs

33  
docs citations

33  
times ranked

317  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a cryogenic gas target system for intense radioisotope beam production at CRIB. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 590, 191-193.	1.6	56
2	Single-particle resonance levels in $^{14}\text{O}$ and $^{15}\text{O}$ nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 672, 230-234.	4.1	35
3	Low-lying non-normal parity states in $^8\text{B}$ measured by proton elastic scattering on $^7\text{Be}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 672, 230-234.	4.1	30
4	Spectroscopy of light proton-rich nuclei: $^9\text{C}$ and $^{15}\text{F}$ . Nuclear Physics A, 2004, 734, 331-336.	1.5	19
5	Multi-dimensional mesoscale simulations of detonation initiation in energetic materials with density-based kinetics. Combustion Theory and Modelling, 2018, 22, 291-315.	1.9	19
6	Spectroscopy of light proton-rich unbound nuclei: $^{15}\text{F}$ , $^{10}\text{B}$ , $^{11}\text{N}$ . Nuclear Physics A, 2003, 722, C512-C517.	1.5	14
7	Third-order thermo-mechanical properties for packs of Platonic solids using statistical micromechanics. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20170101.	2.1	14
8	Strongly correlated $^{26}\text{Si}$ states studied with the $^{28}\text{Si}(^4\text{He}, ^6\text{He})^{26}\text{Si}$ reaction. Journal of the Korean Physical Society, 2008, 53, 1141-1145.	0.9	12
9	Astrophysically important $^{26}\text{Si}$ states studied with the $^{28}\text{Si}(^4\text{He}, ^6\text{He})^{26}\text{Si}$ reaction. Journal of the Korean Physical Society, 2008, 53, 1141-1145.	0.7	8
10	The GeantV project: preparing the future of simulation. Journal of Physics: Conference Series, 2015, 664, 072006.	0.4	7
11	Searching for resonance in the unbound $^6\text{Be}$ and $^5\text{Li}$ nuclei. Nuclear Physics A, 2003, 722, C341-C346.	1.5	6
12	Nuclear astrophysics at the east drip line. European Physical Journal A, 2006, 27, 327-332.	2.5	6
13	A New Packing Code for Creating Microstructures of Propellants and Explosives. , 2015, , .		6
14	Cylindrical IEC Fusion Neutron Source for Broad Area NAA. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	1.1	5
15	Development of a cryogenic gas target for intense RI beam production at CRIB. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 590, 191-193.	1.6	4
16	GeantV: from CPU to accelerators. Journal of Physics: Conference Series, 2016, 762, 012019.	0.4	3
17	LLAMA: The low-level abstraction for memory access. Software - Practice and Experience, 0, , .	3.6	3
18	Study of Stellar Reactions in Explosive Hydrogen Burning with CRIB. Nuclear Physics A, 2005, 758, 733-736.	1.5	1

#	ARTICLE	IF	CITATIONS
19	Proton resonance scattering of $^7\text{Be}$ . AIP Conference Proceedings, 2006, , .	0.4	1
20	Production of Polarized Radioactive Beams via The Inverse-kinematics Reactions and Their Applications. AIP Conference Proceedings, 2007, , .	0.4	1
21	Cylindrical IEC neutron source design for driven research reactor operation. Journal of Radioanalytical and Nuclear Chemistry, 2009, 282, 193-197.	1.5	1
22	First experience of vectorizing electromagnetic physics models for detector simulation. Journal of Physics: Conference Series, 2015, 664, 092013.	0.4	1
23	Three-dimensional mesoscale simulations of detonation initiation in energetic materials with density-based kinetics. AIP Conference Proceedings, 2018, , .	0.4	1
24	Experimental Study of Stellar Reactions at CNS. AIP Conference Proceedings, 2006, , .	0.4	0
25	Production of spin-polarized $^{17}\text{N}$ beam using inverse-kinematics low-energy transfer reactions. Hyperfine Interactions, 2007, 180, 43-47.	0.5	0
26	Cryogenic gas target system for intense RI beam productions in nuclear astrophysics. AIP Conference Proceedings, 2008, , .	0.4	0
27	EXPERIMENTAL APPROACH TO HIGH-TEMPERATURE STELLAR REACTIONS WITH LOW-ENERGY RI BEAMS. , 2008, , .		0
28	Electromagnetic Physics Models for Parallel Computing Architectures. Journal of Physics: Conference Series, 2016, 762, 012014.	0.4	0
29	DIRECT APPROACH TO EXPLOSIVE HYDROGEN BURNING PROCESS WITH CRIB. , 2005, , .		0
30	Production of spin-polarized $^{17}\text{N}$ beam using inverse-kinematics low-energy transfer reactions. , 2008, , 473-477.		0
31	Controlled Filament Non-Local Discharge (CFND) for Laser Pumping and Plasma Processing. , 2009, , .		0
32	Cylindrical IEC Fusion Neutron Source for Broad Area NAA. , 2010, , .		0