

# Guilherme Amadio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3402350/publications.pdf>

Version: 2024-02-01

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	Three-dimensional mesoscale simulations of detonation initiation in energetic materials with density-based kinetics. AIP Conference Proceedings, 2018, , .	0.4	1
2	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
3	Electromagnetic Physics Models for Parallel Computing Architectures. Journal of Physics: Conference Series, 2016, 762, 012014.	0.4	0
4	GeantV: from CPU to accelerators. Journal of Physics: Conference Series, 2016, 762, 012019.	0.4	3
5	A New Packing Code for Creating Microstructures of Propellants and Explosives. , 2015, , .		6
6	The GeantV project: preparing the future of simulation. Journal of Physics: Conference Series, 2015, 664, 072006.	0.4	7
7	First experience of vectorizing electromagnetic physics models for detector simulation. Journal of Physics: Conference Series, 2015, 664, 092013.	0.4	1
8	Third-order thermo-mechanical properties for packs of Platonic solids using statistical micromechanics. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150060.	2.1	14
9	$25 \text{ Al} + p \rightarrow \text{resonance} + n$ via elastic proton scattering with a radioactive	1.9	12
10	Cylindrical IEC Fusion Neutron Source for Broad Area NAA. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	1.1	5
11	Cylindrical IEC Fusion Neutron Source for Broad Area NAA. , 2010, , .		0
12	Cylindrical IEC neutron source design for driven research reactor operation. Journal of Radioanalytical and Nuclear Chemistry, 2009, 282, 193-197.	1.5	1
13	Low-lying non-normal parity states in $^8\text{Be}$ 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
14	Controlled Filament Non-Local Discharge (CFND) for Laser Pumping and Plasma Processing. , 2009, , .		0
15	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, 589, 150-156.	1.6	56
16	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
17	Cryogenic gas target system for intense RI beam productions in nuclear astrophysics. AIP Conference Proceedings, 2008, , .	0.4	0
18	EXPERIMENTAL APPROACH TO HIGH-TEMPERATURE STELLAR REACTIONS WITH LOW-ENERGY RI BEAMS. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
19	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
20	Production of spin-polarized $^{17}\text{N}$ beam using inverse-kinematics low-energy transfer reactions. , 2008, , 473-477.		0
21	Production of Polarized Radioactive Beams via The Inverse-kinematics Reactions and Their Applications. AIP Conference Proceedings, 2007, , . Single-particle resonance levels in $^{14}\text{O}$ examined by $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:secti="http://www.elsevier.com/xml/common/struct-bib/dtd" \rangle$	0.4	1
22	Single-particle resonance levels in $^{14}\text{O}$ examined by $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:secti="http://www.elsevier.com/xml/common/struct-bib/dtd" \rangle$	4.1	35
23	Production of spin-polarized $^{17}\text{N}$ beam using inverse-kinematics low-energy transfer reactions. Hyperfine Interactions, 2007, 180, 43-47.	0.5	0
24	Experimental Study of Stellar Reactions at CNS. AIP Conference Proceedings, 2006, , .	0.4	0
25	Nuclear astrophysics at the east drip line. European Physical Journal A, 2006, 27, 327-332.	2.5	6
26	Proton resonance scattering of $^7\text{Be}$ . AIP Conference Proceedings, 2006, , .	0.4	1
27	Study of Stellar Reactions in Explosive Hydrogen Burning with CRIB. Nuclear Physics A, 2005, 758, 733-736.	1.5	1
28	DIRECT APPROACH TO EXPLOSIVE HYDROGEN BURNING PROCESS WITH CRIB. , 2005, , .		0
29	Spectroscopy of light proton-rich nuclei: $^9\text{C}$ and $^{15}\text{F}$ . Nuclear Physics A, 2004, 734, 331-336.	1.5	19
30	Searching for resonance in the unbound $^6\text{Be}$ and $^5\text{Li}$ nuclei. Nuclear Physics A, 2003, 722, C341-C346.	1.5	6
31	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
32	LLAMA: The low-level abstraction for memory access. Software - Practice and Experience, 0, , .	3.6	3