M Fonseca

List of Publications by Year
in descending order

51 papers	**478** citations	759233 **12** h-index	713466 **21** g-index
51 all docs	**51** docs citations	**51** times ranked	**523** citing authors

#	Article	IF	Citations
1	Electron screening in 7Li<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/	4.1	59
2	Electron screening in d(d, p)t for deuterated metals: temperature effects. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, 1141-1149.	3.6	52
3	Enhanced d(d,p)t fusion reaction in metals. European Physical Journal A, 2006, 27, 79-82.	2.5	46
4	First hint on a change of the 210Po alpha-decay half-life in the metal Cu. European Physical Journal A, 2007, 32, 51.	2.5	35
5	Experimental study of proton-induced nuclear reactions in6,7Li. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014004.	3.6	32
6	The sensitivity of the PIGE analytical technique. Nuclear Instruments & Methods in Physics Research B, 2007, 264, 340-344.	1.4	20
7	Thin film depth profiling using simultaneous particle backscattering and nuclear resonance profiling. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1829-1832.	1.4	18
8	Measurement of proton induced γ-ray emission cross sections on Al from 2.5 to 4.1MeV. Nuclear Instruments & Methods in Physics Research B, 2014, 332, 355-358.	1.4	16
9	PIGE analysis of magnesium and beryllium. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1806-1808.	1.4	15
10	An insider view of the Portuguese ion beam laboratory. European Physical Journal Plus, 2021, 136, 1.	2.6	15
11	PIGE analysis and profiling of aluminium. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1490-1492.	1.4	14
12	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Cu</mml:mi><mml:mprescripts/><mml:none/><mml:mn>63</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>n</mml:mi><mml:mo>,</mml:mo><mml:mi>γ</mml: cross section measured via 25 keV activation and time of flight. Physical Review C, 2017, 95, .	2.9	13
13	Laser-induced tissue fluorescence in radiofrequency tissue-fusion characterization. Journal of Biomedical Optics, 2014, 19, 015007.	2.6	12
14	Formation and delamination of beryllium carbide films. Journal of Nuclear Materials, 2013, 442, S320-S324.	2.7	11
15	International Atomic Energy Agency inter-comparison of particle induced gamma-ray emission codes for bulk samples. Nuclear Instruments & Methods in Physics Research B, 2020, 468, 37-47.	1.4	11
16	Production and characterization of thin 7Li targets fabricated by ion implantation. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 478-481.	1.4	9
17	Nuclear astrophysics with radioactive ions at FAIR. Journal of Physics: Conference Series, 2016, 665, 012044.	0.4	9
18	Measurement of proton induced γ-ray emission cross sections on Na from 1.0 to 4.1 MeV. Nuclear Instruments & Methods in Physics Research B, 2019, 441, 108-118.	1.4	8

#	Article	IF	Citations
19	Neutron-skin thickness from the study of the anti-analog giant dipole resonance. , 2012, , .		7
20	Quantitative analysis of Li by PIGE technique. Nuclear Instruments & Methods in Physics Research B, 2017, 406, 144-147.	1.4	7
21	Evaluation of the effect of fluorinated tooth bleaching products using polarized Raman microscopy and particle induced gamma-ray emission. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 234, 118278.	3.9	7
22	Cross sections for proton induced high energy ‹mml:math altimg="si7.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. Nuclear Instr	1.4	6
23	Study of In distribution on GaInSb:Al crystals by ion beam techniques. Nuclear Instruments & Methods in Physics Research B, 2016, 371, 278-282.	1.4	6
24	Evaluation of enamel demineralization and fluorine uptake caused by gustatory stimulants of salivary secretion (GSSS) using Raman spectroscopy and proton induced gamma-ray emission (PIGE). Journal of Raman Spectroscopy, 2019, 50, 380-386.	2.5	6
25	Stopping power of C, O and Cl in tantalum oxide. Nuclear Instruments & Methods in Physics Research B, 2014, 332, 152-155.	1.4	5
26	ERYA–Profiling: A code for quantitative PIGE analysis of in-depth heterogeneous samples. Nuclear Instruments & Methods in Physics Research B, 2021, 502, 142-149.	1.4	5
27	Elemental distribution in human femoral head. Nuclear Instruments & Methods in Physics Research B, 2014, 331, 266-270.	1.4	4
28	ERYA-Bulk and ERYA-Profiling: An application for quantitative PIGE analysis. Computer Physics Communications, 2022, 275, 108307.	7.5	4
29	Electron screening effects in nuclear reactions: still an unsolved problem. Journal of Physics: Conference Series, 2012, 337, 012062.	0.4	3
30	Comparative analysis of anodized, implanted and sputtered tantalum oxide targets for the study of 16O+16O fusion reaction. Nuclear Instruments & Methods in Physics Research B, 2014, 331, 78-81.	1.4	3
31	Fluorine depth profiling based on the 19F(p,pâ€™Î³)19F excitation function. European Physical Journal Plus, 2021, 136, 1.	2.6	3
32	Utilização da realidade virtual na reabilitação de indivíduos com lesão da espinal medula: revisão sistemática. Revista Lusofona De Educacao, 2018, , 231-240.	0.0	3
33	Investigation of the protective suitability of a dental fluorinated varnish by means of X Ray fluorescence and Raman spectroscopy. Journal of Trace Elements in Medicine and Biology, 2022, 71, 126938.	3.0	3
34	Golden glazes analysis by PIGE and PIXE techniques. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 3060-3062.	1.4	2
35	Production of thin targets by implantation for the measurement of the 16 O + 16 O elastic scattering below the Coulomb barrier. Nuclear Instruments & Methods in Physics Research B, 2017, 406, 135-138.	1.4	2
36	Neutron activation of Ga69 and Ga71 at kBTâ‰ˆ25keV. Physical Review C, 2021, 103, .	2.9	2

#	Article	IF	Citations
37	Electron Screening: A Review. AIP Conference Proceedings, 2006, , .	0.4	1
38	Study of nuclear reactions producing³⁶Cl by micro-AMS. Journal of Physics: Conference Series, 2016, 665, 012077.	0.4	1
39	Neutron capture cross sections of 69Ga and 71Ga at 25â€°keV and Epeak = 90â€°keV. EPJ Web of Conferences, 2017, 146, 01014.	0.3	1
40	Measurement of gamma-ray production cross sections for nuclear reaction 31P(p,pγ1-0)31P. Nuclear Instruments & Methods in Physics Research B, 2019, 452, 26-29.	1.4	1
41	GBL for Psychological Intervention Related Skills: What Challenges? What Paths?. , 2021, , .		1
42	Carbon Deposition on Beryllium Substrates and Subsequent Delamination. Materials Science Forum, 2012, 730-732, 179-184.	0.3	0
43	An Integrated System Combining Virtual Reality with a Glove with Biosensors for Neuropathic Pain: A Concept Validation. Advances in Intelligent Systems and Computing, 2019, , 274-284.	0.6	0
44	COVID-19 AND REMOTE TEACHING: CHALLENGES FOR POST-PANDEMIC TEACHING?. , 2021, , .		0
45	GNEUROPATHY: Validation Process at Clinical Environment. , 2019, , .		0
46	Challenging the Calorimeter CALIFA for FAIR Using High Energetic Photons. Springer Proceedings in Physics, 2019, , 245-246.	0.2	0
47	VR4NEUROPAIN: Interactive Rehabilitation System. , 2019, , .		0
48	Nota Introdutória. Revista Lusofona De Educacao, 2019, , 105-107.	0.0	0
49	REMOTE LEARNING AND DIGITAL LITERACIES AND COMPETENCES: A STUDY IN PORTUGAL. , 2021, , .		0
50	EDUCATIONAL TECHNOLOGIES IN THE DIGITAL AGE: A STUDY IN PORTUGAL. , 2021, , .		0
51	Cross-sections of the gamma-producing 25Mg(p,pγ1-0)25Mg nuclear reaction at Elab=870â€"4020keV. European Physical Journal A, 2022, 58, .	2.5	0