Luis Peralta

List of Publications by Year
in descending order

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71	7,182	393982	143772
papers	citations	19 h-index	57 g-index

71	71	71	11750
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exposure to radon in buildings in the municipality of Lubango, Angola, during winter months. Journal of Radioanalytical and Nuclear Chemistry, 2021, 327, 635-642.	0.7	2
2	Impact of total variation minimization in volume rendering visualization of breast tomosynthesis data. Computer Methods and Programs in Biomedicine, 2020, 195, 105534.	2.6	2
3	COMPARISON OF RADON MASS EXHALATION RATE MEASUREMENTS FROM BUILDING MATERIALS BY TWO DIFFERENT METHODS. Radiation Protection Dosimetry, 2020, 191, 255-259.	0.4	7
4	Development of a low-cost monitor for radon detection in air. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 969, 164033.	0.7	6
5	Radon concentration potential in Bibala municipality water: Consequences for public consumption. Radiation Physics and Chemistry, 2020, 173, 108951.	1.4	6
6	Plastic scintillation detectors for dose monitoring in digital breast tomosynthesis. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 877, 346-348.	0.7	5
7	ALPHACAL: A new user-friendly tool for the calibration of alpha-particle sources. Applied Radiation and Isotopes, 2018, 135, 78-82.	0.7	0
8	Temperature dependence of plastic scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 883, 20-23.	0.7	16
9	An environmental dose experiment. European Journal of Physics, 2017, 38, 065801.	0.3	0
10	DeteÃ§Ã£o da radiaÃ§Ã£o tÃ©rmica emitida por um filamento de tungstÃªnio aquecido. Revista Brasileira De Ensino De Fisica, 2016, 38, .	0.2	0
11	Scan path optimization with/without clustering for active beam delivery in charged particle therapy. Physica Medica, 2015, 31, 130-136.	0.4	7
12	Brachytherapy dosimeter with silicon photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 787, 358-360.	0.7	3
13	Scatter fraction with simulations. Radiation Protection Dosimetry, 2014, 162, 52-57.	0.4	0
14	Fiber optic dosimeter with silicon photomultipliers. , 2014, , .		0
15	Response of plastic scintillators to low-energy photons. Physics in Medicine and Biology, 2014, 59, 4621-4633.	1.6	16
16	AlfaMC: A fast alpha particle transport Monte Carlo code. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 737, 163-169.	0.7	12
17	Development of a scintillating optical fiber dosimeter with silicon photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 735, 640-643.	0.7	13
18	Human exposure to indoor radon: a survey in the region of Guarda, Portugal. Radiation Protection Dosimetry, 2013, 154, 237-244.	0.4	6

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19	Reassessment of structural shielding design in mammography installations. Radiation Protection Dosimetry, 2013, 154, 45-51.	0.4	0
20	Cosmic ray detection made easy. Physics Education, 2012, 47, 143-144.	0.3	0
21	Si-PIN photodiode readout for a scintillating optical fiber dosimeter. Radiation Measurements, 2012, 47, 947-950.	0.7	6
22	Can the HVL help the mechanical X-ray tube characterization?. X-Ray Spectrometry, 2011, 40, 235-239.	0.9	3
23	Plastic scintillator dosimetry in radiology applications. , 2011, , .		1
24	Small dimension plastic dosimeter in high dose rate brachytherapy with ¹⁹²Ir source. , 2011, , .		0
25	Calibration of an alpha particle irradiator for in vitro cells irradiation. International Journal of Low Radiation, 2010, 7, 500.	0.1	3
26	Dose mapping of a 60Co irradiation facility using PENELOPE and MCNPX and its validation by chemical dosimetry. Applied Radiation and Isotopes, 2008, 66, 435-440.	0.7	12
27	X-ray detection visits the classroom. Physics Education, 2008, 43, 350-352.	0.3	2
28	What are the 50 cent Euro coins made of?. European Journal of Physics, 2008, 29, 901-909.	0.3	6
29	Scintillating optical fiber dosimetry with photodiode readout. , 2008, , .		3
30	Monte Carlo simulation of the Varian Clinac 600C accelerator dynamic and physical wedges. Journal of Physics: Conference Series, 2007, 74, 021015.	0.3	0
31	Clear-PEM: A PET imaging system dedicated to breast cancer diagnostics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 571, 81-84.	0.7	26
32	A simple electron-positron pair production experiment. American Journal of Physics, 2006, 74, 457-461.	0.3	3
33	Design and evaluation of the clear-PEM scanner for positron emission mammography. IEEE Transactions on Nuclear Science, 2006, 53, 71-77.	1.2	111
34	Precision electroweak measurements on the Z resonance. Physics Reports, 2006, 427, 257-454.	10.3	974
35	Geant4 developments and applications. IEEE Transactions on Nuclear Science, 2006, 53, 270-278.	1.2	4,869
36	Portuguese students' knowledge of radiation physics. Physics Education, 2006, 41, 259-262.	0.3	25

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37	A new low-energy bremsstrahlung generator for GEANT4. Radiation Protection Dosimetry, 2005, 116, 59-64.	0.4	2
38	Clear-PEM: A dedicated pet camera for improved breast cancer detection. Radiation Protection Dosimetry, 2005, 116, 208-210.	0.4	22
39	A Monte Carlo multiple source model applied to radiosurgery narrow photon beams. Medical Physics, 2004, 31, 2192-2204.	1.6	16
40	Measuring the activity of a radioactive source in the classroom. European Journal of Physics, 2004, 25, 211-219.	0.3	9
41	Search for fermiophobic Higgs bosons in final states with photons at LEP 2. European Physical Journal C, 2004, 35, 313-324.	1.4	24
42	Determination of the $e^ + e^- o gamma gamma (gamma)$ cross-section at LEP 2. European Physical Journal C, 2004, 37, 405-419.	1.4	10
43	Fast electron beam simulation and dose calculation in radiotherapy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 522, 568-578.	0.7	2
44	Breast imaging with a dedicated PEM. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 527, 87-91.	0.7	5
45	Application of GEANT4radiation transport toolkit to dose calculations in anthropomorphic phantoms. Applied Radiation and Isotopes, 2004, 61, 1451-1461.	0.7	21
46	Geant4 applications and developments for medical physics experiments. IEEE Transactions on Nuclear Science, 2004, 51, 1412-1419.	1.2	45
47	Searches for supersymmetric particles in e + e- collisions up to 208 GeV and interpretation of the results within the MSSM. European Physical Journal C, 2003, 31, 421-479.	1.4	221
48	A powerful simulation tool for medical physics applications: Geant4. Nuclear Physics, Section B, Proceedings Supplements, 2003, 125, 80-84.	0.5	8
49	Radioactive 222 Rn daughter nuclides on a paper strip. European Journal of Physics, 2003, 24, 149-157.	0.3	4
50	Basic dosimetry of radiosurgery narrow beams using Monte Carlo simulations: A detailed study of depth of maximum dose. Medical Physics, 2003, 30, 2904-2911.	1.6	13
51	Monte Carlo simulation of neutron thermalization in matter. European Journal of Physics, 2002, 23, 307-314.	0.3	2
52	Search for a fermiophobic Higgs at LEP 2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 507, 89-103.	1.5	25
53	Direct evidence for implanted Fe on substitutional Ga sites in GaN. Applied Physics Letters, 2001, 78, 3217-3219.	1.5	21
54	Determination of the e+eâ^'â†'Î³Î³(Î³) cross-section at centre-of-mass energies ranging from 189 GeV to 202 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 491, 67-80.	1.5	15

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55	Lattice location of implanted Cu in highly doped Si. Applied Physics Letters, 2000, 77, 2142-2144.	1.5	25
56	Emission channeling studies of Pr in GaN. Journal of Applied Physics, 2000, 88, 1319-1324.	1.1	51
57	Early RHIC hyperon results from PHENIX?. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 481-483.	1.4	0
58	The small angle tile calorimeter in the DELPHI experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 425, 106-139.	0.7	22
59	Performance of the DELPHI small angle tile calorimeter. IEEE Transactions on Nuclear Science, 1996, 43, 1496-1500.	1.2	1
60	Muon pair and vector meson cross-sections in p-W and Sî—¸U collisions at 200 GeV/nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 368, 230-238.	1.5	22
61	Production of Ï± + Ï‰ and Î¦ in p-W and Sî—¸U collisions at 200 GeV/nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 368, 239-243.	1.5	19
62	Performance of the DELPHI detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 378, 57-100.	0.7	294
63	The DELPHI small angle tile calorimeter. IEEE Transactions on Nuclear Science, 1995, 42, 478-484.	1.2	10
64	, Ï^â€² and muon pair production in p-W and S-U collisions. Nuclear Physics A, 1994, 566, 77-85.	0.6	36
65	Ï^i and production in p-U and S-U collisions at 200. Nuclear Physics A, 1994, 566, 371-374.	0.6	9
66	Prototype design, construction and test of a Pb/scintillator sampling calorimeter with wavelength shifter fiber optic readout. IEEE Transactions on Nuclear Science, 1993, 40, 537-545.	1.2	8
67	Meson production inp+U, O+U and S+U interactions at 200 GeV/nucleon. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1992, 55, 365-371.	1.5	3
68	The production ofJ/Ï^ in 200 GeV/A oxygen-uranium interactions. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1988, 38, 117-124.	1.5	60
69	A study of Ï€ andK production in proton-uranium and oxygen-uranium interactions at 22 GeV/A using decay muons. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1988, 38, 129-133.	1.5	9
70	First Experimental Results with the ClearPEM Detector. , 0, , .		3
71	ProteÃ§Ã£o contra a radiaÃ§Ã£o ultravioleta fornecida por Ã³culos de sol. Revista Brasileira De Ensino De Fisica, 0, 42, .	0.2	0