Fernando Lima

List of Publications by Year
in descending order

23 papers	486 citations	1464605 7 h-index	799663 21 g-index
23 all docs	23 docs citations	23 times ranked	303 citing authors

#	Article	IF	Citations
1	Solid standards for positron emitters. Radiation Physics and Chemistry, 2020, 167, 108327.	1.4	2
2	Exergetic evaluation of a conceptual design for hydrogen production and seawater desalination using an advanced nuclear reactor as energy source. International Journal of Exergy, 2019, 28, 380.	0.2	1
3	Hydrogen production methods efficiency coupled to an advanced high-temperature accelerator driven system. International Journal of Hydrogen Energy, 2019, 44, 1392-1408.	3.8	4
4	Volume-of-interest-based supervised cluster analysis for pseudo-reference region selection in [18F]DPA-714 PET imaging of the rat brain. EJNMMI Research, 2018, 8, 112.	1.1	4
5	Implementing a test facility in reduced scale for analysis of boron dispersion in a pressurizer of an integral compact and modular reactor. Annals of Nuclear Energy, 2017, 105, 259-265.	0.9	7
6	Aplicativo para dosimetria interna usando a distribuição biocinética de fótons baseada em imagens de medicina nuclear. Radiologia Brasileira, 2014, 47, 275-282.	0.3	2
7	Study of the boron homogenizing process employing an experimental low-pressure bench simulating the IRIS reactor pressurizer â€" Part I. Annals of Nuclear Energy, 2013, 53, 254-258.	0.9	4
8	Boron transient effects on the behavior of IRIS reactor using dynamic modeling. Progress in Nuclear Energy, 2013, 69, 44-52.	1.3	2
9	The artificial neural network used in the study of sensitivities in the IRIS reactor pressurizer. Progress in Nuclear Energy, 2013, 69, 64-70.	1.3	7
10	Study of the boron homogenizing process employing an experimental low-pressure bench simulating the IRIS reactor pressurizer â€" Part II. Annals of Nuclear Energy, 2013, 62, 558-563.	0.9	3
11	IMAGE QUANTIFICATION FOR RADIATION DOSE CALCULATIONSâ€"LIMITATIONS AND UNCERTAINTIES. Health Physics, 2010, 99, 688-701.	0.3	43
12	ProRad: a computer program to provide practical guidance in radiological emergency assessment and response. International Journal of Low Radiation, 2009, 6, 352.	0.1	0
13	Photon and electron absorbed fractions calculated from a new tomographic rat model. Physics in Medicine and Biology, 2008, 53, 5343-5355.	1.6	23
14	Application of the MAX/EGS4 exposure model to the dosimetry of the Yanango radiation accident. Physics in Medicine and Biology, 2005, 50, 3681-3695.	1.6	8
15	MAX meets ADAM: a dosimetric comparison between a voxel-based and a mathematical model for external exposure to photons. Physics in Medicine and Biology, 2004, 49, 887-910.	1.6	42
16	All about FAX: a Female Adult voXel phantom for Monte Carlo calculation in radiation protection dosimetry. Physics in Medicine and Biology, 2004, 49, 5203-5216.	1.6	121
17	Calculation of effective dose from external exposure to photons for the Male Adult voXel (MAX) phantom. Nuclear Instruments & Methods in Physics Research B, 2004, 213, 654-657.	0.6	2
18	Sensitivity analysis of the aerosols transport equation. Annals of Nuclear Energy, 2003, 30, 1247-1266.	0.9	0

#	Article	IF	Citations
19	All about MAX: a male adult voxel phantom for Monte Carlo calculations in radiation protection dosimetry. Physics in Medicine and Biology, 2003, 48, 1239-1262.	1.6	190
20	Experimental analysis and evaluation of the mass transfer process in a trickle-bed reactor. Brazilian Journal of Chemical Engineering, 2003, 20, 375-390.	0.7	8
21	The differential perturbative method applied to the sensitivity analysis for waterhammer problems in hydraulic networks. Applied Mathematical Modelling, 2001, 25, 1117-1138.	2.2	2
22	Recent advances in perturbative methods applied to nuclear engineering problems. Progress in Nuclear Energy, 1998, 33, 23-97.	1.3	9
23	Sensitivity analysis of thermohydraulic systems via heuristic generalized perturbation theory (HGPT) methods. Annals of Nuclear Energy, 1993, 20, 679-690.	0.9	2