

Lucas Nonato de Oliveira

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Dosimetric parameters for small field sizes using Fricke xlylenol gel, thermoluminescent and film dosimeters, and an ionization chamber. <i>Physics in Medicine and Biology</i> , 2007, 52, 1431-1439.	3.0	49
2	Ferrous Xlylenol Gel measurements for 6 and 10 MV photons in small field sizes. <i>Brazilian Journal of Physics</i> , 2007, 37, 1141-1146.	1.4	21
3	Determination of diffusion coefficient in Fricke Xlylenol gel dosimeter after electron beam bombardment. <i>Surface and Coatings Technology</i> , 2009, 203, 2367-2369.	4.8	14
4	Noise prediction based on acoustic maps and vehicle fleet composition. <i>Applied Acoustics</i> , 2021, 174, 107803.	3.3	13
5	Fricke gel diffusion coefficient measurements for applications in radiotherapy level dosimetry. <i>Radiation Physics and Chemistry</i> , 2014, 98, 42-45.	2.8	12
6	8 and 10 MeV Electron Beams Small Field-Size Dosimetric Parameters Through the Fricke Xlylenol Gel Dosimeter. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 572-577.	2.0	9
7	Measurements of the Fe ³⁺ diffusion coefficient in Fricke Xlylenol gel using optical density measurements. <i>Applied Radiation and Isotopes</i> , 2014, 90, 241-244.	1.5	9
8	Quality Assurance of a Two-Dimensional CCD Detector System Applied in Dosimetry. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 810-816.	2.0	8
9	Measuring output factors and beam profiles formed by multileaf collimators using Fricke gel dosimeter. <i>Physica Medica</i> , 2014, 30, 854-857.	0.7	8
10	Fricke dosimeter gel measurements of the profiles of shielded fields. <i>Applied Radiation and Isotopes</i> , 2013, 82, 239-241.	1.5	7
11	Sensitivity Analysis of Cutting Force on Milling Process using Factorial Experimental Planning and Artificial Neural Networks. <i>IEEE Latin America Transactions</i> , 2016, 14, 4811-4820.	1.6	7
12	6 MV wedge photon beam profiles with the fricke xlylenol gel dosimeter. <i>Brazilian Journal of Physics</i> , 2009, 39, .	1.4	5
13	VIOLĂNCIA DOMĂSTICA E SEXUAL CONTRA A MULHER: REVISĂO INTEGRATIVA. <i>Holos</i> , 0, 8, 275.	0.0	5
14	Beta planar source quality assurance with the Fricke xlylenol gel dosimeter. <i>Radiation Physics and Chemistry</i> , 2014, 96, 56-59.	2.8	4
15	Lithium diborate glass for high-dose dosimetry using the UV-Vis and FTIR spectrophotometry techniques. <i>Radiation Measurements</i> , 2017, 106, 225-228.	1.4	4
16	Characterization of lithium diborate, sodium diborate and commercial soda-lime glass exposed to gamma radiation via linearity analyses. <i>Radiation Physics and Chemistry</i> , 2019, 155, 133-137.	2.8	4
17	Quantitative magnetic resonance elastography for polymer-gel dosimetry phantoms. <i>Medical Engineering and Physics</i> , 2019, 66, 102-106.	1.7	3
18	Numerical Optimization of Flight Trajectory for Rockets via Artificial Neural Networks. <i>IEEE Latin America Transactions</i> , 2017, 15, 1556-1565.	1.6	2

#	ARTICLE	IF	CITATIONS
19	New Fricke Xylenol Liquid detector doped with methylene blue (FXL-mblue) irradiated with red LED light. <i>Journal of Luminescence</i> , 2021, 230, 117730.	3.1	2
20	Design of Experiments (DoE) method for solar protective films via UV-Vis and NIR spectrophotometry measurements. <i>Journal of Luminescence</i> , 2022, 242, 118558.	3.1	1
21	Mobile Learning and Computational Simulation Applied in Environmental Acoustics. <i>IEEE Latin America Transactions</i> , 2018, 16, 265-271.	1.6	0
22	Evaluation of high-linearity bone radiation detectors exposed to gamma-rays via FTIR measurements. <i>Applied Radiation and Isotopes</i> , 2021, 170, 109598.	1.5	0
23	A new natural detector for irradiations with blue LED light source in photodynamic therapy measurements via UV-Vis spectroscopy. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 1381-1395.	2.9	0