

Patricia Nicolucci

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

608
citations

777949

13
h-index

685536

24
g-index

62
all docs

62
docs citations

62
times ranked

938
citing authors

#	ARTICLE	IF	CITATIONS
1	Response of a TLD badge to the new operational quantity $H_p(\hat{I})$: Monte Carlo approach. Radiation Physics and Chemistry, 2022, 191, 109869.	1.4	1
2	Alanine/electron spin resonance dosimetry for environmental qualification of electric equipment in a nuclear power plant. Radiation Physics and Chemistry, 2022, 193, 109934.	1.4	1
3	Spectral reconstruction of kilovoltage photon beams using generalized simulated annealing. Uniciencia, 2022, 36, 1-14.	0.1	0
4	Characterization and implementation of the L-alanine detector for quality control of lung SBRT treatments with the VMAT technique. Journal of Radiation Research and Applied Sciences, 2022, 15, 82-88.	0.7	0
5	Simulation of a new neutron calibration laboratory in Brazil using MCNP5. Applied Radiation and Isotopes, 2022, 186, 110289.	0.7	0
6	Perillyl alcohol for pediatric TP53- and RAS-mutated SHH-medulloblastoma: an in vitro and in vivo translational pre-clinical study. Child's Nervous System, 2021, 37, 2163-2175.	0.6	0
7	Improved reconstruction methodology of clinical electron energy spectra based on Tikhonov regularization and generalized simulated annealing. Journal of Applied Research and Technology, 2021, 19, 622-632.	0.6	3
8	Dosimetric properties of thermoluminescent pellets of CaSO ₄ doped with rare earths at low doses. Radiation Physics and Chemistry, 2020, 171, 108704.	1.4	9
9	ABDOMEN e PELVIS COMPUTED TOMOGRAPHY PROTOCOL OPTIMIZATION: AN IMAGE QUALITY AND DOSE ASSESSMENT. Radiation Protection Dosimetry, 2019, 184, 66-72.	0.4	2
10	Effects of heterogeneities in dose distributions under nonreference conditions: Monte Carlo simulation vs dose calculation algorithms. Medical Dosimetry, 2019, 44, 74-82.	0.4	20
11	Dosimetria 3D do Iodo-131: Estudo com Gel MAGIC-f e C3digo de Simula3o Monte Carlo PENELOPE. Revista Brasileira De F3sica M3dica, 2019, 12, 39.	0.0	0
12	Polymer gel dosimetry by nuclear Overhauser enhancement (NOE) magnetic resonance imaging. Physics in Medicine and Biology, 2018, 63, 15NT03.	1.6	6
13	Efficiency of personal dosimetry methods in vascular interventional radiology. Physica Medica, 2017, 37, 58-67.	0.4	9
14	Assessment of radiotherapy photon beams: A practical and low cost methodology. Radiation Physics and Chemistry, 2017, 131, 60-65.	1.4	0
15	Occupational radiation exposure in vascular interventional radiology: A complete evaluation of different body regions. Physica Medica, 2016, 32, 1019-1024.	0.4	24
16	Assessment of ionization chamber correction factors in photon beams using a time saving strategy with PENELOPE code. Physica Medica, 2016, 32, 297-304.	0.4	5
17	Experimental assessment of gold nanoparticle-mediated dose enhancement in radiation therapy beams using electron spin resonance dosimetry. Physics in Medicine and Biology, 2015, 60, 4465-4480.	1.6	9
18	Targeted gold nanoparticles enhance sensitization of prostate tumors to megavoltage radiation therapy in vivo. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1277-1283.	1.7	157

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19	Ionizing radiation-induced gene expression changes in TP53 proficient and deficient glioblastoma cell lines. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 756, 46-55.	0.9	24
20	Synthesis and Characterization of Gold/Alanine Nanocomposites with Potential Properties for Medical Application as Radiation Sensors. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5844-5851.	4.0	37
21	Synthesis and characterization of silver/alanine nanocomposites for radiation detection in medical applications: the influence of particle size on the detection properties. <i>Nanoscale</i> , 2012, 4, 2884.	2.8	36
22	Synthesis of silver nanoparticles using dl-alanine for ESR dosimetry applications. <i>Radiation Physics and Chemistry</i> , 2012, 81, 301-307.	1.4	26
23	SU-E-T-145: MRI Gel Dosimetry Applied to Dose Profile Determination for 50kV X-Ray Tube. <i>Medical Physics</i> , 2012, 39, 3736-3736.	1.6	0
24	SU-E-T-178: Optically Stimulated Luminescence (OSL) Dosimetry: A Study of A-Al ₂ O ₃ :C Assessed by PENELOPE Monte Carlo Simulation. <i>Medical Physics</i> , 2012, 39, 3744-3744.	1.6	0
25	SU-E-T-54: A Methodology for Monte Carlo Simulation Time Reduction in Dose Calculation for Reference Dosimetry. <i>Medical Physics</i> , 2012, 39, 3714-3714.	1.6	0
26	MO-F-BRB-06: Gold Nanoparticle Modify Density of Ionizations inside Cells Submitted to Radiation Therapy: Microscopic Track Analysis of Secondary Electrons Using Monte Carlo. <i>Medical Physics</i> , 2012, 39, 3874-3874.	1.6	0
27	SU-E-T-122: Dose Response Analysis of Radiochromic Films in Regions of Low Dose Using Separation Color Components. <i>Medical Physics</i> , 2012, 39, 3731-3731.	1.6	0
28	SU-E-T-278: Study of MAGIC-F Gel and PENELOPE Code Simulation Response for Clinical Electron Beams. <i>Medical Physics</i> , 2012, 39, 3767-3767.	1.6	1
29	Influence of Dental Restorative Materials on ESR Biodosimetry in Tooth Enamel. <i>Radiation Research</i> , 2011, 176, 259-263.	0.7	4
30	Dosimetry of small radiation field in inhomogeneous medium using alanine/EPR minidosimeters and PENELOPE Monte Carlo simulation. <i>Radiation Measurements</i> , 2011, 46, 941-944.	0.7	15
31	SU-E-T-462: Microscopic Fractions of Dose Enhancement: Size Dependence Study to Gold Nanoparticle Using Monte Carlo. <i>Medical Physics</i> , 2011, 38, 3595-3595.	1.6	0
32	SU-E-T-340: Dose Enhancement Due to Backscattered Electrons of Gold Nanoparticle: Size and Shape Dependency Study by Thermoluminescent Dosimetry. <i>Medical Physics</i> , 2011, 38, 3565-3565.	1.6	0
33	MAGIC-fgel in Nuclear Medicine Dosimetry: study in an external beam of Iodine-131. <i>Journal of Physics: Conference Series</i> , 2010, 250, 012082.	0.3	2
34	SENSITIVITY COMPARISON OF TWO L-ALANINE DOPED BLENDS TO DIFFERENT PHOTON ENERGIES. <i>Health Physics</i> , 2010, 98, 383-387.	0.3	8
35	MAGIC-fgel dosimetry for clinical electron beam. <i>Journal of Physics: Conference Series</i> , 2010, 250, 012037.	0.3	2
36	Monte Carlo Simulation of MAGIC-fgel for Radiotherapy using PENELOPE. <i>Journal of Physics: Conference Series</i> , 2010, 250, 012067.	0.3	4

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37	Study of the spatial distribution of the absorbed dose in blood volumes irradiated using a teletherapy unit. Radiation Physics and Chemistry, 2010, 79, 673-677.	1.4	1
38	Redu��o de incertezas em radioterapia utilizando simula��o Monte Carlo: an��lise espectral aplicada �� corre��o de dose absorvida. Radiologia Brasileira, 2010, 43, 119-123.	0.3	3
39	Gel Dosimetry Analysis of Gold Nanoparticle Application in Kilovoltage Radiation Therapy. Journal of Physics: Conference Series, 2010, 250, 012084.	0.3	17
40	Dosimetric properties of MAGIC-fpolymer gel assessed to Radiotherapy clinical beams. Journal of Physics: Conference Series, 2010, 250, 012012.	0.3	2
41	SU-GG-I-90: Dose Distribution of Small Fields through MAGIC-F Gel Dosimetry and PENELOPE-Monte Carlo Simulation. Medical Physics, 2010, 37, 3122-3122.	1.6	1
42	Benefits of Radiotherapy Added Nanoparticle Assessed by a Quantitative Analysis of Dose��Gradient: An Evaluation in Soft and Lung Tissues by Monte Carlo. Medical Physics, 2010, 37, 3174-3174.	1.6	1
43	SU��GG��I��120: Silver Nanoparticle Added to Nuclear Medicine: A Preliminary Evaluation of Dose Increase in Iodine Therapy Assessed by Monte Carlo. Medical Physics, 2010, 37, 3173-3173.	1.6	0
44	SU-GG-I-85: Mixed Dose Distribution of Electron and Photon Beams through the Magic F Polymer Gel and Penelope Code. Medical Physics, 2010, 37, 3121-3121.	1.6	0
45	SU��GG��I��433: Study of the Dose Distributions in Serial and Helical Tomotherapy for CO��60, 6MV and 10MV Beams Using PENELOPE Monte Carlo. Medical Physics, 2010, 37, 3286-3286.	1.6	0
46	SU-GG-I-87: Evaluation of the Influence of Wall Material and Thickness in Well-Type Ionization Chambers Using PENELOPE Monte Carlo Code. Medical Physics, 2010, 37, 3121-3121.	1.6	0
47	SU��GG��I��123: Dose Increase in Radiotherapy Evaluated to Biocompatible Levels of Gold Nanoparticle: A Quantitative Analysis by MRI Gel Dosimetry and Monte Carlo Spectrometry. Medical Physics, 2010, 37, 3173-3173.	1.6	0
48	Evaluation of vibro-acoustography techniques to map absorbed dose distribution in irradiated phantoms. , 2009, 2009, 796-9.		1
49	MAGIC with formaldehyde applied to dosimetry of HDR brachytherapy source. Journal of Physics: Conference Series, 2009, 164, 012067.	0.3	2
50	SU-FF-I-163: Study of Dosimetric Characteristics of MAGIC Polymer Gel with Formaldehyde for Electrons Beams Using PENELOPE Code. Medical Physics, 2009, 36, 2472-2472.	1.6	0
51	SU-FF-I-71: Study of a Well-Type Ionization Chamber by Monte Carlo Simulation. Medical Physics, 2009, 36, 2450-2451.	1.6	0
52	SU-FF-I-80: Evaluation of Dose Rate of Occupational Exposure in Nuclear Medicine Service. Medical Physics, 2009, 36, 2452-2453.	1.6	0
53	SU-FF-T-282: Development of a Multi Electrode Well Ionization Chamber to Be Used in Nuclear Medicine. Medical Physics, 2009, 36, 2586-2586.	1.6	0
54	SU-FF-J-149: Monte Carlo Simulation of Dose Distribution Around 198 Au Nanoparticles: A Preliminary Study for Treatment Quality Criterion. Medical Physics, 2009, 36, 2511-2511.	1.6	0

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55	Enhanced sensitivity of alanine dosimeters to low-energy X-rays: Preliminary results. Radiation Measurements, 2008, 43, 467-470.	0.7	22
56	Efficiency of the DNA repair and polymorphisms of the XRCC1, XRCC3 and XRCC4 DNA repair genes in systemic lupus erythematosus. Lupus, 2008, 17, 988-995.	0.8	40
57	SU-GG-T-318: Validation of PENELOPE Code for X-Ray Photons Transport with Energy Between 20 and 150 KeV in Thin Geometry. Medical Physics, 2008, 35, 2798-2798.	1.6	0
58	Energy dependence of different materials in ESR dosimetry for clinical X-ray 10MV beam. Radiation Measurements, 2007, 42, 1227-1232.	0.7	14
59	ESR dating at K and X band of northeastern Brazilian megafauna. Applied Radiation and Isotopes, 2005, 62, 225-229.	0.7	37
60	Low dose ionizing radiation detection using conjugated polymers. Applied Physics Letters, 2005, 86, 131902.	1.5	48
61	Spatial resolution of magnetic resonance imaging Fricke-gel dosimetry is improved with a honeycomb phantom. Medical Physics, 2002, 30, 17-20.	1.6	12