

Cinzia De Angelis

List of Publications by Year in descending order

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36
papers

808
citations

430754

18
h-index

501076

28
g-index

36
all docs

36
docs citations

36
times ranked

779
citing authors

#	ARTICLE	IF	CITATIONS
1	Diamond detector versus silicon diode and ion chamber in photon beams of different energy and field size. <i>Medical Physics</i> , 2003, 30, 2149-2154.	1.6	90
2	An investigation of the operating characteristics of two PTW diamond detectors in photon and electron beams. <i>Medical Physics</i> , 2002, 29, 248-254.	1.6	70
3	EPR dosimetry intercomparison using smart phone touch screen glass. <i>Radiation and Environmental Biophysics</i> , 2014, 53, 311-20.	0.6	48
4	Radiochromic film dosimetry of a low energy proton beam. <i>Medical Physics</i> , 2000, 27, 1655-1660.	1.6	47
5	Calibration of GafChromic EBT3 for absorbed dose measurements in 5 MeV proton beam and ^{60}Co γ rays. <i>Medical Physics</i> , 2015, 42, 4678-4684.	1.6	37
6	Radiation-induced signals analysed by EPR spectrometry applied to fortuitous dosimetry. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2009, 45, 287-96.	0.2	33
7	Diamond dosimetry: Outcomes of the CANDIDO and CONRAD INFN projects. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 552, 189-196.	0.7	32
8	Characterization of XR \AA 3 GafChromic [®] films in standard laboratory and in clinical conditions and means to evaluate uncertainties and reduce errors. <i>Medical Physics</i> , 2015, 42, 4211-4226.	1.6	32
9	Alanine dosimetry of proton therapy beams. <i>Medical Physics</i> , 1997, 24, 447-453.	1.6	30
10	Overview of physical dosimetry methods for triage application integrated in the new European network RENEB. <i>International Journal of Radiation Biology</i> , 2017, 93, 65-74.	1.0	30
11	Dosimetric characterization of silicon and diamond detectors in low-energy proton beams. <i>Physics in Medicine and Biology</i> , 2000, 45, 3045-3058.	1.6	28
12	Present limitations of CVD diamond detectors for IMRT applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 583, 195-203.	0.7	28
13	Clinical studies of optimised single crystal and polycrystalline diamonds for radiotherapy dosimetry. <i>Radiation Measurements</i> , 2008, 43, 933-938.	0.7	28
14	Zero-bias operation of polycrystalline chemically vapour deposited diamond films for Intensity Modulated Radiation Therapy. <i>Diamond and Related Materials</i> , 2011, 20, 84-92.	1.8	28
15	Characteristics of silicon and diamond detectors in a 60 MeV proton beam. <i>Physics in Medicine and Biology</i> , 2002, 47, N107-N112.	1.6	27
16	Use of alanine for dosimetry intercomparisons among Italian radiotherapy centers. <i>Applied Radiation and Isotopes</i> , 2005, 62, 261-265.	0.7	23
17	Investigation of the influence of calibration practices on cytogenetic laboratory performance for dose estimation. <i>International Journal of Radiation Biology</i> , 2017, 93, 118-126.	1.0	22
18	Measurement of maximum skin dose in interventional radiology and cardiology and challenges in the set-up of European alert thresholds. <i>Radiation Protection Dosimetry</i> , 2015, 164, 138-142.	0.4	20

#	ARTICLE	IF	CITATIONS
19	Natural and CVD type diamond detectors as dosimeters in hadrontherapy applications. Nuclear Physics, Section B, Proceedings Supplements, 2003, 125, 179-183.	0.5	16
20	Improvements in CVD diamond properties for radiotherapy dosimetry. Radiation Protection Dosimetry, 2006, 120, 38-42.	0.4	16
21	On measuring the output of an IORT mobile dedicated accelerator. Radiation Protection Dosimetry, 2006, 120, 221-225.	0.4	16
22	Use of commercial alanine and TL dosimeters for dosimetry intercomparisons among Italian radiotherapy centres. Radiation Protection Dosimetry, 2006, 120, 226-229.	0.4	13
23	Transferability of ASTM/NIST alanine-polyethylene recipe at ISS. Applied Radiation and Isotopes, 2000, 52, 1197-1201.	0.7	12
24	Proton response of alanine based pellets and films. Applied Radiation and Isotopes, 1996, 47, 1201-1204.	0.7	11
25	Capabilities of the RENE network for research and large scale radiological and nuclear emergency situations. International Journal of Radiation Biology, 2017, 93, 136-141.	1.0	11
26	Characterisation of grids of point detectors in maximum skin dose measurement in fluoroscopically-guided interventional procedures. Physica Medica, 2015, 31, 1112-1117.	0.4	10
27	RENEB accident simulation exercise. International Journal of Radiation Biology, 2017, 93, 75-80.	1.0	10
28	A correction method for diamond detector signal dependence with proton energy. Medical Physics, 2002, 29, 669-675.	1.6	9
29	Underground Radiobiology: A Perspective at Gran Sasso National Laboratory. Frontiers in Public Health, 2020, 8, 611146.	1.3	8
30	The CANDIDO project: development of a CVD diamond dosimeter for applications in radiotherapy. Nuclear Physics, Section B, Proceedings Supplements, 1999, 78, 587-591.	0.5	7
31	Characterization of a HPHT diamond detector for clinical applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 612, 576-579.	0.7	7
32	Diamond Detectors for Dosimetry. , 2014, , 229-248.		3
33	Immiscible fluids permeability by T1 imaging. Magnetic Resonance Imaging, 1992, 10, 837-841.	1.0	2
34	Cotton as fortuitous dosimeter in radiological emergency: An EPR preliminary study. Radiation Measurements, 2011, 46, 978-983.	0.7	2
35	Intercomparison of Gafchromic films, TL detectors and TL foils for the measurements of skin dose in interventional radiology. Radiation Measurements, 2014, 71, 282-286.	0.7	2
36	Dense fluid displacement in wet porous media by spin relaxation selective contrast. Applied Magnetic Resonance, 1993, 4, 357-365.	0.6	0