Cinzia De Angelis

List of Publications by Year
in descending order

36 papers	808 citations	430874 18 h-index	501196 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. Medical Physics, 2003, 30, 2149-2154.	3.0	90
2	An investigation of the operating characteristics of two PTW diamond detectors in photon and electron beams. Medical Physics, 2002, 29, 248-254.	3.0	70
3	EPR dosimetry intercomparison using smart phone touch screen glass. Radiation and Environmental Biophysics, 2014, 53, 311-20.	1.4	48
4	Radiochromic film dosimetry of a low energy proton beam. Medical Physics, 2000, 27, 1655-1660.	3.0	47
5	Calibration of GafChromic EBT3 for absorbed dose measurements in 5 MeV proton beam and ⁶⁰Co Î³â€rays. Medical Physics, 2015, 42, 4678-4684.	3.0	37
6	Radiation-induced signals analysed by EPR spectrometry applied to fortuitous dosimetry. Annali Dell'Istituto Superiore Di Sanita, 2009, 45, 287-96.	0.4	33
7	Diamond dosimetry: Outcomes of the CANDIDO and CONRAD INFN projects. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 552, 189-196.	1.6	32
8	Characterization of XRâ€RV3 GafChromic^{Â®} films in standard laboratory and in clinical conditions and means to evaluate uncertainties and reduce errors. Medical Physics, 2015, 42, 4211-4226.	3.0	32
9	Alanine dosimetry of proton therapy beams. Medical Physics, 1997, 24, 447-453.	3.0	30
10	Overview of physical dosimetry methods for triage application integrated in the new European network RENEB. International Journal of Radiation Biology, 2017, 93, 65-74.	1.8	30
11	Dosimetric characterization of silicon and diamond detectors in low-energy proton beams. Physics in Medicine and Biology, 2000, 45, 3045-3058.	3.0	28
12	Present limitations of CVD diamond detectors for IMRT applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 583, 195-203.	1.6	28
13	Clinical studies of optimised single crystal and polycrystalline diamonds for radiotherapy dosimetry. Radiation Measurements, 2008, 43, 933-938.	1.4	28
14	Zero-bias operation of polycrystalline chemically vapour deposited diamond films for Intensity Modulated Radiation Therapy. Diamond and Related Materials, 2011, 20, 84-92.	3.9	28
15	Characteristics of silicon and diamond detectors in a 60 MeV proton beam. Physics in Medicine and Biology, 2002, 47, N107-N112.	3.0	27
16	Use of alanine for dosimetry intercomparisons among Italian radiotherapy centers. Applied Radiation and Isotopes, 2005, 62, 261-265.	1.5	23
17	Investigation of the influence of calibration practices on cytogenetic laboratory performance for dose estimation. International Journal of Radiation Biology, 2017, 93, 118-126.	1.8	22
18	Measurement of maximum skin dose in interventional radiology and cardiology and challenges in the set-up of European alert thresholds. Radiation Protection Dosimetry, 2015, 164, 138-142.	0.8	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.	0.4	16
20	Improvements in CVD diamond properties for radiotherapy dosimetry. Radiation Protection Dosimetry, 2006, 120, 38-42.	0.8	16
21	On measuring the output of an IORT mobile dedicated accelerator. Radiation Protection Dosimetry, 2006, 120, 221-225.	0.8	16
22	Use of commercial alanine and TL dosemeters for dosimetry intercomparisons among Italian radiotherapy centres. Radiation Protection Dosimetry, 2006, 120, 226-229.	0.8	13
23	Transferability of ASTM/NIST alanineâ€“polyethylene recipe at ISS. Applied Radiation and Isotopes, 2000, 52, 1197-1201.	1.5	12
24	Proton response of alanine based pellets and films. Applied Radiation and Isotopes, 1996, 47, 1201-1204.	1.5	11
25	Capabilities of the RENEB network for research and large scale radiological and nuclear emergency situations. International Journal of Radiation Biology, 2017, 93, 136-141.	1.8	11
26	Characterisation of grids of point detectors in maximum skin dose measurement in fluoroscopically-guided interventional procedures. Physica Medica, 2015, 31, 1112-1117.	0.7	10
27	RENEB accident simulation exercise. International Journal of Radiation Biology, 2017, 93, 75-80.	1.8	10
28	A correction method for diamond detector signal dependence with proton energy. Medical Physics, 2002, 29, 669-675.	3.0	9
29	Underground Radiobiology: A Perspective at Gran Sasso National Laboratory. Frontiers in Public Health, 2020, 8, 611146.	2.7	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.	0.4	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.	1.6	7
32	Diamond Detectors for Dosimetry. , 2014, , 229-248.		3
33	Immiscible fluids permeability by T1 imaging. Magnetic Resonance Imaging, 1992, 10, 837-841.	1.8	2
34	Cotton as fortuitous dosimeter in radiological emergency: An EPR preliminary study. Radiation Measurements, 2011, 46, 978-983.	1.4	2
35	Intercomparison of Gafchromicâ„¢ films, TL detectors and TL foils for the measurements of skin dose in interventional radiology. Radiation Measurements, 2014, 71, 282-286.	1.4	2
36	Dense fluid displacement in wet porous media by spin relaxation selective contrast. Applied Magnetic Resonance, 1993, 4, 357-365.	1.2	0