

# Andrew Nisbet

## List of Publications by Citations

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**Version:** 2024-04-20

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141  
papers

5,308  
citations

29  
h-index

71  
g-index

155  
ext. papers

6,390  
ext. citations

2.8  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
141	Risk of ischemic heart disease in women after radiotherapy for breast cancer. <i>New England Journal of Medicine</i> , <b>2013</b> , 368, 987-98	59.2	2180
140	Volumetric modulated arc therapy: a review of current literature and clinical use in practice. <i>British Journal of Radiology</i> , <b>2011</b> , 84, 967-96	3.4	364
139	Cardiac exposures in breast cancer radiotherapy: 1950s-1990s. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2007</b> , 69, 1484-95	4	223
138	Cardiac dose from tangential breast cancer radiotherapy in the year 2006. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2008</b> , 72, 501-7	4	175
137	Clinical validation and benchmarking of knowledge-based IMRT and VMAT treatment planning in pelvic anatomy. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 120, 473-479	5.3	102
136	High sensitivity organic inorganic hybrid X-ray detectors with direct transduction and broadband response. <i>Nature Communications</i> , <b>2018</b> , 9, 2926	17.4	102
135	A comparison of the gamma index analysis in various commercial IMRT/VMAT QA systems. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 109, 370-6	5.3	100
134	Automation in intensity modulated radiotherapy treatment planning-a review of recent innovations. <i>British Journal of Radiology</i> , <b>2018</b> , 91, 20180270	3.4	83
133	Cardiac dose estimates from Danish and Swedish breast cancer radiotherapy during 1977-2001. <i>Radiotherapy and Oncology</i> , <b>2011</b> , 100, 176-83	5.3	72
132	The IPEM code of practice for electron dosimetry for radiotherapy beams of initial energy from 4 to 25 MeV based on an absorbed dose to water calibration. <i>Physics in Medicine and Biology</i> , <b>2003</b> , 48, 2929-70	3.8	71
131	Cardiac doses from Swedish breast cancer radiotherapy since the 1950s. <i>Radiotherapy and Oncology</i> , <b>2009</b> , 90, 127-35	5.3	69
130	Review of doped silica glass optical fibre: their TL properties and potential applications in radiation therapy dosimetry. <i>Applied Radiation and Isotopes</i> , <b>2012</b> , 71 Suppl, 2-11	1.7	68
129	The role of texture analysis in imaging as an outcome predictor and potential tool in radiotherapy treatment planning. <i>British Journal of Radiology</i> , <b>2014</b> , 87, 20140369	3.4	66
128	Challenges in calculation of the gamma index in radiotherapy - Towards good practice. <i>Physica Medica</i> , <b>2017</b> , 36, 1-11	2.7	63
127	Evaluation of Gafchromic EBT-XD film, with comparison to EBT3 film, and application in high dose radiotherapy verification. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 8741-52	3.8	56
126	A multi-institutional dosimetry audit of rotational intensity-modulated radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2014</b> , 113, 272-8	5.3	46
125	Dosimetric verification of a commercial collapsed cone algorithm in simulated clinical situations. <i>Radiotherapy and Oncology</i> , <b>2004</b> , 73, 79-88	5.3	45

124	Low-cost commercial glass beads as dosimeters in radiotherapy. <i>Radiation Physics and Chemistry</i> , <b>2014</b> , 97, 95-101	2.5	42
123	Viscosity changes in hyaluronic acid: irradiation and rheological studies. <i>Applied Radiation and Isotopes</i> , <b>2010</b> , 68, 746-50	1.7	41
122	A dosimetric intercomparison of electron beams in UK radiotherapy centres. <i>Physics in Medicine and Biology</i> , <b>1997</b> , 42, 2393-409	3.8	41
121	Evaluation and mitigation of potential errors in radiochromic film dosimetry due to film curvature at scanning. <i>Journal of Applied Clinical Medical Physics</i> , <b>2015</b> , 16, 5141	2.3	40
120	Physics-aspects of dose accuracy in high dose rate (HDR) brachytherapy: source dosimetry, treatment planning, equipment performance and in vivo verification techniques. <i>Journal of Contemporary Brachytherapy</i> , <b>2012</b> , 4, 81-91	1.9	36
119	Dose-rate and the reciprocity law: TL response of Ge-doped SiO <sub>2</sub> optical fibers at therapeutic radiation doses. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 652, 891-895	1.2	34
118	A methodology for dosimetry audit of rotational radiotherapy using a commercial detector array. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 108, 78-85	5.3	32
117	Verification of high dose rate brachytherapy dose distributions with EBT3 Gafchromic film quality control techniques. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 497-511	3.8	32
116	A critical evaluation of the PTW 2D-ARRAY seven29 and OCTAVIUS II phantom for IMRT and VMAT verification. <i>Journal of Applied Clinical Medical Physics</i> , <b>2013</b> , 14, 4460	2.3	32
115	Design and implementation of a film dosimetry audit tool for comparison of planned and delivered dose distributions in high dose rate (HDR) brachytherapy. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 6623-240	3.8	30
114	Radiotherapy dosimetry audit: three decades of improving standards and accuracy in UK clinical practice and trials. <i>British Journal of Radiology</i> , <b>2015</b> , 88, 20150251	3.4	30
113	Ge-doped optical fibres as thermoluminescence dosimeters for kilovoltage X-ray therapy irradiations. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 652, 834-837	1.2	29
112	Can CT scan protocols used for radiotherapy treatment planning be adjusted to optimize image quality and patient dose? A systematic review. <i>British Journal of Radiology</i> , <b>2017</b> , 90, 20160406	3.4	28
111	An investigation of the thermoluminescence of Ge-doped SiO <sub>2</sub> optical fibres for application in interface radiation dosimetry. <i>Applied Radiation and Isotopes</i> , <b>2012</b> , 70, 1436-41	1.7	28
110	Polarity and ion recombination correction factors for ionization chambers employed in electron beam dosimetry. <i>Physics in Medicine and Biology</i> , <b>1998</b> , 43, 435-43	3.8	28
109	Evaluation and implementation of triple-channel radiochromic film dosimetry in brachytherapy. <i>Journal of Applied Clinical Medical Physics</i> , <b>2014</b> , 15, 4854	2.3	27
108	A dosimetric intercomparison of kilovoltage X-rays, megavoltage photons and electrons in the Republic of Ireland. <i>Radiotherapy and Oncology</i> , <b>1998</b> , 48, 95-101	5.3	27
107	Establishment of Ge-doped optical fibres as thermoluminescence dosimeters for brachytherapy. <i>Applied Radiation and Isotopes</i> , <b>2012</b> , 70, 1158-61	1.7	26

106	The potential of Ge-doped optical fibre TL dosimetry for 3D verification of high energy IMRT photon beams. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 619, 157-162	1.2	26
105	Comparison of methods for the measurement of radiation dose distributions in high dose rate (HDR) brachytherapy: Ge-doped optical fiber, EBT3 Gafchromic film, and PRESAGE <sup>®</sup> radiochromic plastic. <i>Medical Physics</i> , <b>2013</b> , 40, 061707	4.4	24
104	An evaluation of epoxy resin phantom materials for megavoltage photon dosimetry. <i>Physics in Medicine and Biology</i> , <b>1999</b> , 44, 1125-32	3.8	24
103	Characterization of Ge-doped optical fibres for MV radiotherapy dosimetry. <i>Radiation Physics and Chemistry</i> , <b>2014</b> , 98, 33-41	2.5	23
102	Simulation of tissue activity curves of (64)Cu-ATSM for sub-target volume delineation in radiotherapy. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, 681-94	3.8	23
101	Assessment of the variation in CT scanner performance (image quality and Hounsfield units) with scan parameters, for image optimisation in radiotherapy treatment planning. <i>Physica Medica</i> , <b>2018</b> , 45, 59-64	2.7	22
100	Clinical applications of textural analysis in non-small cell lung cancer. <i>British Journal of Radiology</i> , <b>2018</b> , 91, 20170267	3.4	22
99	Development of tailor-made silica fibres for TL dosimetry. <i>Radiation Physics and Chemistry</i> , <b>2014</b> , 104, 3-9	2.5	22
98	Dosimetry of the microSelectron-HDR Ir-192 source using PRESAGE and optical CT. <i>Applied Radiation and Isotopes</i> , <b>2009</b> , 67, 419-22	1.7	22
97	Spectral reconstruction of clinical megavoltage photon beams and the implications of spectral determination on the dosimetry of such beams. <i>Physics in Medicine and Biology</i> , <b>1998</b> , 43, 1507-21	3.8	22
96	A collision prevention software tool for complex three-dimensional isocentric set-ups. <i>British Journal of Radiology</i> , <b>2000</b> , 73, 537-41	3.4	21
95	Establishing the suitability of quantitative optical CT microscopy of PRESAGE <sup>®</sup> radiochromic dosimeters for the verification of synchrotron microbeam therapy. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 6279-97	3.8	20
94	Current status of cranial stereotactic radiosurgery in the UK. <i>British Journal of Radiology</i> , <b>2016</b> , 89, 20150452	3.4	19
93	A multicentre randomised dosimetry audit for cervix HDR brachytherapy treatment. <i>Radiotherapy and Oncology</i> , <b>2015</b> , 114, 264-71	5.3	19
92	Comparison of the TL fading characteristics of Ge-doped optical fibres and LiF dosimeters. <i>Applied Radiation and Isotopes</i> , <b>2012</b> , 70, 1384-7	1.7	19
91	Direct detection of 6 MV x-rays from a medical linear accelerator using a semiconducting polymer diode. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 4471-82	3.8	18
90	The effect of 6 and 15 MV on intensity-modulated radiation therapy prostate cancer treatment: plan evaluation, tumour control probability and normal tissue complication probability analysis, and the theoretical risk of secondary induced malignancies. <i>British Journal of Radiology</i> , <b>2012</b> , 85, 423-32	3.4	18
89	Investigation of the use of Ge-doped optical fibre for in vitro IMRT prostate dosimetry. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 652, 819-823	1.2	17

88	The clinical implications of the collapsed cone planning algorithm. <i>Clinical Oncology</i> , <b>2004</b> , 16, 148-54	2.8	17
87	Developments in production of silica-based thermoluminescence dosimeters. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 137, 37-44	2.5	16
86	A Novel Scaffold-Based Hybrid Multicellular Model for Pancreatic Ductal Adenocarcinoma-Toward a Better Mimicry of the Tumor Microenvironment. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 290	5.8	16
85	Glass beads and Ge-doped optical fibres as thermoluminescence dosimeters for small field photon dosimetry. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 6875-89	3.8	16
84	An evaluation of epoxy resin phantom materials for electron dosimetry. <i>Physics in Medicine and Biology</i> , <b>1998</b> , 43, 1523-8	3.8	16
83	High sensitivity flat SiO <sub>2</sub> fibres for medical dosimetry. <i>Radiation Physics and Chemistry</i> , <b>2014</b> , 104, 134-138	5	15
82	Energy response of glass bead TLDs irradiated with radiation therapy beams. <i>Radiation Physics and Chemistry</i> , <b>2014</b> , 104, 208-211	2.5	15
81	Inter-comparison of quantitative imaging of lutetium-177 (Lu) in European hospitals. <i>EJNMMI Physics</i> , <b>2018</b> , 5, 17	4.4	15
80	Adaptation and validation of a commercial head phantom for cranial radiosurgery dosimetry end-to-end audit. <i>British Journal of Radiology</i> , <b>2017</b> , 90, 20170053	3.4	14
79	Radiotherapy equipment--purchase or lease?. <i>British Journal of Radiology</i> , <b>2001</b> , 74, 735-44	3.4	14
78	Changes in Patterns of Intensity-modulated Radiotherapy Verification and Quality Assurance in the UK. <i>Clinical Oncology</i> , <b>2016</b> , 28, e28-34	2.8	13
77	Design concept for a novel SQUID-based microdosemeter. <i>Radiation Protection Dosimetry</i> , <b>2011</b> , 143, 427-31	0.9	13
76	Dosimetric audit in brachytherapy. <i>British Journal of Radiology</i> , <b>2014</b> , 87, 20140105	3.4	12
75	A survey of quality control practices for high dose rate (HDR) and pulsed dose rate (PDR) brachytherapy in the United Kingdom. <i>Journal of Contemporary Brachytherapy</i> , <b>2012</b> , 4, 232-40	1.9	12
74	Characterisation of a plastic scintillation detector to be used in a multicentre stereotactic radiosurgery dosimetry audit. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 140, 373-378	2.5	11
73	Modelling and detecting tumour oxygenation levels. <i>PLoS ONE</i> , <b>2012</b> , 7, e38597	3.7	11
72	Biological effects of static magnetic field exposure in the context of MR-guided radiotherapy. <i>British Journal of Radiology</i> , <b>2019</b> , 92, 20180484	3.4	11
71	Radiotherapy reference dose audit in the United Kingdom by the National Physical Laboratory: 20 years of consistency and improvements. <i>Physics and Imaging in Radiation Oncology</i> , <b>2017</b> , 3, 21-27	3.1	9

70	Chemoradiotherapy screening in a novel biomimetic polymer based pancreatic cancer model.. <i>RSC Advances</i> , <b>2019</b> , 9, 41649-41663	3.7	9
69	Feasibility of using glass-bead thermoluminescent dosimeters for radiotherapy treatment plan verification. <i>British Journal of Radiology</i> , <b>2015</b> , 88, 20140804	3.4	8
68	A Dose-response Relationship for the Incidence of Radiation-related Heart Disease. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2010</b> , 78, S49-S50	4	8
67	Mathematical modelling of tumour volume dynamics in response to stereotactic ablative radiotherapy for non-small cell lung cancer. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 3695-713	3.8	7
66	A multi-centre analysis of radiotherapy beam output measurement. <i>Physics and Imaging in Radiation Oncology</i> , <b>2017</b> , 4, 39-43	3.1	7
65	Effect of penetrating ionising radiation on the mechanical properties of pericardium. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 619, 356-360	1.2	7
64	Characterisation of borosilicate glass media as potential thermoluminescent dosimeters. <i>Radiation Physics and Chemistry</i> , <b>2020</b> , 168, 108630	2.5	7
63	Development of a calibration protocol for quantitative imaging for molecular radiotherapy dosimetry. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 140, 355-360	2.5	6
62	The stability of imaging biomarkers in radiomics: a framework for evaluation. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 165012	3.8	6
61	Adapting clinical gamma cameras for body monitoring in the event of a large-scale radiological incident. <i>Journal of Radiological Protection</i> , <b>2016</b> , 36, 363-381	1.2	6
60	IPEM topical report: the first UK survey of dose indices from radiotherapy treatment planning computed tomography scans for adult patients. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 185008	3.8	6
59	Measurement of dose enhancement close to high atomic number media using optical fibre thermoluminescence dosimeters. <i>Radiation Physics and Chemistry</i> , <b>2014</b> , 95, 145-147	2.5	6
58	Volumetric-modulated arc therapy (RapidArc) vs. conventional fixed-field intensity-modulated radiotherapy for $^{18}\text{F}$ -FDG-PET-guided dose escalation in oropharyngeal cancer: a planning study. <i>Medical Dosimetry</i> , <b>2013</b> , 38, 18-24	1.3	6
57	Potential lethal damage repair in glioblastoma cells irradiated with ion beams of various types and levels of linear energy transfer. <i>Journal of Radiation Research</i> , <b>2019</b> , 60, 59-68	2.4	5
56	An investigation of the response of the radiochromic dosimeter PRESAGETM to irradiation by 62 MeV protons. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 250, 012034	0.3	5
55	Effect of window level on target volume delineation in treatment planning. <i>Applied Radiation and Isotopes</i> , <b>2010</b> , 68, 602-4	1.7	5
54	Evaluating commercial image registration packages for radiotherapy treatment planning. <i>Applied Radiation and Isotopes</i> , <b>2008</b> , 66, 1948-53	1.7	5
53	Feasibility of employing thick microbeams from superficial and orthovoltage kVp x-ray tubes for radiotherapy of superficial cancers. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 140, 237-241	2.5	4



52	Atomic force microscopy and mechanical testing of bovine pericardium irradiated to radiotherapy doses. <i>Radiation Physics and Chemistry</i> , <b>2014</b> , 96, 176-180	2.5	4
51	A comparison of protocols for external beam radiotherapy beam calibrations. <i>Applied Radiation and Isotopes</i> , <b>2012</b> , 70, 1331-6	1.7	4
50	Semi-3D dosimetry of high dose rate brachytherapy using a novel Gafchromic EBT3 film-array water phantom. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 444, 012101	0.3	4
49	Dosimetric Performance of A-Si Electronic Portal Imaging Devices. <i>International Journal of Medical Physics, Clinical Engineering and Radiation Oncology</i> , <b>2016</b> , 05, 162-175	0.1	4
48	Low radiation dose to treat pneumonia and other inflammations. <i>British Journal of Radiology</i> , <b>2021</b> , 94, 20201265	3.4	4
47	Low Dose Ionising Radiation-Induced Hormesis: Therapeutic Implications to Human Health. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 8909	2.6	4
46	Commercial glass beads as TLDs in radiotherapy produced by different manufacturers. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 137, 181-186	2.5	3
45	Monte Carlo simulation of a TEPC for microdosimetry of carbon ions. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 140, 412-418	2.5	3
44	Microscope cover-slip glass for TLD applications. <i>Applied Radiation and Isotopes</i> , <b>2020</b> , 160, 109132	1.7	3
43	IPEM code of practice for high-energy photon therapy dosimetry based on the NPL absorbed dose calibration service. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 195006	3.8	3
42	Preliminary investigations of two types of silica-based dosimeter for small-field radiotherapy. <i>Radiation Physics and Chemistry</i> , <b>2014</b> , 104, 139-144	2.5	3
41	Novel high resolution 125I brachytherapy source dosimetry using Ge-doped optical fibres. <i>Radiation Physics and Chemistry</i> , <b>2013</b> , 92, 48-53	2.5	3
40	AFM and uni-axial testing of pericardium exposed to radiotherapy doses. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 652, 874-877	1.2	3
39	Experiences of a proactive IR(ME)R inspection in radiotherapy. <i>British Journal of Radiology</i> , <b>2004</b> , 77, 329-32	3.4	3
38	An experimental evaluation of recent electron dosimetry codes of practice. <i>Physics in Medicine and Biology</i> , <b>1998</b> , 43, 1999-2014	3.8	3
37	Hybrid Multipixel Array X-Ray Detectors for Real-Time Direct Detection of Hard X-Rays. <i>IEEE Transactions on Nuclear Science</i> , <b>2020</b> , 67, 2238-2245	1.7	3
36	3d tissue models as tools for radiotherapy screening for pancreatic cancer. <i>British Journal of Radiology</i> , <b>2021</b> , 94, 20201397	3.4	3
35	The radiobiological effects of He, C and Ne ions as a function of LET on various glioblastoma cell lines. <i>Journal of Radiation Research</i> , <b>2019</b> , 60, 178-188	2.4	3

34	Ultra-Low Dark Current Organic/Inorganic Hybrid X-Ray Detectors. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008482	15.6	3
33	Coupling Monte Carlo simulations with thermal analysis for correcting microdosimetric spectra from a novel micro-calorimeter. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 140, 406-411	2.5	2
32	Dosimetry audits and intercomparisons in radiotherapy: A Malaysian profile. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 140, 207-212	2.5	2
31	Tomotherapy evaluation for head and neck cases using two types of phantoms. <i>Radiation Physics and Chemistry</i> , <b>2014</b> , 95, 323-325	2.5	2
30	A simple approach for EPID dosimetric calibration to overcome the effect of image-lag and ghosting. <i>Applied Radiation and Isotopes</i> , <b>2012</b> , 70, 1154-7	1.7	2
29	UK adaptive radiotherapy practices for head and neck cancer patients. <i>BJR/Open</i> , <b>2020</b> , 2, 20200051	1.4	2
28	Multi-institutional dosimetric delivery assessment of intracranial stereotactic radiosurgery on different treatment platforms. <i>Radiotherapy and Oncology</i> , <b>2020</b> , 147, 153-161	5.3	2
27	Multivariate log file analysis for multi-leaf collimator failure prediction in radiotherapy delivery. <i>Physics and Imaging in Radiation Oncology</i> , <b>2020</b> , 15, 72-76	3.1	2
26	Novel Anticancer and Treatment Sensitizing Compounds against Pancreatic Cancer. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
25	Thermoluminescence measurements of eye-lens dose in a multi-centre stereotactic radiosurgery audit. <i>Radiation Physics and Chemistry</i> , <b>2019</b> , 155, 75-81	2.5	2
24	Investigation of properties of nanobridge Josephson junctions and superconducting tracks fabricated by FIB. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 964, 012004	0.3	2
23	Factors influencing the robustness of P-value measurements in CT texture prognosis studies. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 5403-5416	3.8	1
22	Radiation dosimetry changes in radiotherapy treatment plans for adult patients arising from the selection of the CT image reconstruction kernel. <i>BJR/Open</i> , <b>2019</b> , 1, 20190023	1.4	1
21	Ion beams for space radiation radiobiological effect studies. <i>Radiation Physics and Chemistry</i> , <b>2019</b> , 165, 108373	2.5	1
20	Investigating the Intrinsic Noise Limit of Dayem Bridge NanoSQUIDs. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2014</b> , 1-1	1.8	1
19	Investigating radionuclide source shielding performance using Ge-doped optical fibre thermoluminescence dosimeters <b>2012</b> ,		1
18	An attempt to determine the saturation dose for PRESAGE. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 164, 012043	0.3	1
17	Electron dosimetry in the presence of small cavities. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 250, 012090	0.3	1



16	A mathematical approach towards simulating a realistic tissue activity curve of $^{64}\text{Cu}$ -ATSM for the purpose of sub-target volume delineation in radiotherapy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 619, 283-286	1.2	1
15	Regression Analysis of Rectal Cancer and Possible Application of Artificial Intelligence (AI) Utilization in Radiotherapy. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 725	2.6	1
14	ESTIMATION OF THERMAL & EPITHERMAL NEUTRON FLUX AND GAMMA DOSE DISTRIBUTION IN A MEDICAL CYCLOTRON FACILITY FOR RADIATION PROTECTION PURPOSES USING GOLD FOILS AND GATE 9. <i>Radiation Protection Dosimetry</i> , <b>2021</b> , 193, 176-184	0.9	1
13	Simulation of Coplanar Proximity Charge Sensing Electrodes in CZT Detectors. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 4949-4957	2.5	0
12	Feasibility study of silica bead thermoluminescence detectors (TLDs) in an external radiotherapy dosimetry audit programme. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 141, 251-256	2.5	0
11	Can different Catphan phantoms be used in a multi-centre audit of radiotherapy CT image quality?. <i>Physica Medica</i> , <b>2020</b> , 78, 38-47	2.7	0
10	Estimation of Dose Enhancement for Inhomogeneous Distribution of Nanoparticles: A Monte Carlo Study. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 4900	2.6	0
9	GeB flat fibre TL dosimeters for in-vivo measurements in radiosurgery. <i>Radiation Physics and Chemistry</i> , <b>2021</b> , 178, 108973	2.5	0
8	In Vitro Evaluation of Notch Inhibition to Enhance Efficacy of Radiation Therapy in Melanoma. <i>Advances in Radiation Oncology</i> , <b>2021</b> , 6, 100622	3.3	0
7	Quantification of the uncertainties within the radiotherapy dosimetry chain and their impact on tumour control. <i>Physics and Imaging in Radiation Oncology</i> , <b>2021</b> , 19, 33-38	3.1	0
6	The Effect of Contrast Agents on Dose Calculations of Volumetric Modulated Arc Radiotherapy Plans for Critical Structures. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 8355	2.6	0
5	Investigating ionisation cluster size distribution due to sub-1 keV electrons in view of Heisenberg's Uncertainty. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 633, 012002	0.3	
4	A High-Throughput In Vitro Radiobiology Platform for Megavoltage Photon Linear Accelerator Studies. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 1456	2.6	
3	Production of actinium-225 from a (n,p) reaction: Feasibility and pre-design studies. <i>Nukleonika</i> , <b>2021</b> , 66, 61-67	1	
2	Textural analysis and lung function study: Predicting lung fitness for radiotherapy from a CT scan. <i>BJR/Open</i> , <b>2019</b> , 1, 20180001	1.4	
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