Andrew Nisbet

List of Publications by Year
in descending order

153	7,279	147566	58464
papers	citations	31 h-index	82 g-index

155	155	155	7352
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Risk of Ischemic Heart Disease in Women after Radiotherapy for Breast Cancer. New England Journal of Medicine, 2013, 368, 987-998.	13.9	3,028
2	Volumetric modulated arc therapy: a review of current literature and clinical use in practice. British Journal of Radiology, 2011, 84, 967-996.	1.0	503
3	Cardiac Exposures in Breast Cancer Radiotherapy: 1950sâ€“1990s. International Journal of Radiation Oncology Biology Physics, 2007, 69, 1484-1495.	0.4	271
4	Cardiac Dose From Tangential Breast Cancer Radiotherapy in the Year 2006. International Journal of Radiation Oncology Biology Physics, 2008, 72, 501-507.	0.4	200
5	High sensitivity organic inorganic hybrid X-ray detectors with direct transduction and broadband response. Nature Communications, 2018, 9, 2926.	5.8	166
6	Automation in intensity modulated radiotherapy treatment planningâ€”a review of recent innovations. British Journal of Radiology, 2018, 91, 20180270.	1.0	150
7	Clinical validation and benchmarking of knowledge-based IMRT and VMAT treatment planning in pelvic anatomy. Radiotherapy and Oncology, 2016, 120, 473-479.	0.3	143
8	A comparison of the gamma index analysis in various commercial IMRT/VMAT QA systems. Radiotherapy and Oncology, 2013, 109, 370-376.	0.3	130
9	Challenges in calculation of the gamma index in radiotherapy â€“ Towards good practice. Physica Medica, 2017, 36, 1-11.	0.4	121
10	Cardiac doses from Swedish breast cancer radiotherapy since the 1950s. Radiotherapy and Oncology, 2009, 90, 127-135.	0.3	87
11	Cardiac dose estimates from Danish and Swedish breast cancer radiotherapy during 1977â€“2001. Radiotherapy and Oncology, 2011, 100, 176-183.	0.3	85
12	Review of doped silica glass optical fibre: Their TL properties and potential applications in radiation therapy dosimetry. Applied Radiation and Isotopes, 2012, 71, 2-11.	0.7	84
13	The role of texture analysis in imaging as an outcome predictor and potential tool in radiotherapy treatment planning. British Journal of Radiology, 2014, 87, 20140369.	1.0	83
14	Evaluation of Gafchromic EBT-XD film, with comparison to EBT3 film, and application in high dose radiotherapy verification. Physics in Medicine and Biology, 2015, 60, 8741-8752.	1.6	81
15	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. Physics in Medicine and Biology, 2003, 48, 2929-2970.	1.6	78
16	Can CT scan protocols used for radiotherapy treatment planning be adjusted to optimize image quality and patient dose? A systematic review. British Journal of Radiology, 2017, 90, 20160406.	1.0	62
17	Dosimetric verification of a commercial collapsed cone algorithm in simulated clinical situations. Radiotherapy and Oncology, 2004, 73, 79-88.	0.3	53
18	Evaluation and mitigation of potential errors in radiochromic film dosimetry due to film curvature at scanning. Journal of Applied Clinical Medical Physics, 2015, 16, 425-431.	0.8	53

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19	Radiotherapy dosimetry audit: three decades of improving standards and accuracy in UK clinical practice and trials. British Journal of Radiology, 2015, 88, 20150251.	1.0	50
20	Viscosity changes in hyaluronic acid: Irradiation and rheological studies. Applied Radiation and Isotopes, 2010, 68, 746-750.	0.7	49
21	A multi-institutional dosimetry audit of rotational intensity-modulated radiotherapy. Radiotherapy and Oncology, 2014, 113, 272-278.	0.3	49
22	Low-cost commercial glass beads as dosimeters in radiotherapy. Radiation Physics and Chemistry, 2014, 97, 95-101.	1.4	48
23	A critical evaluation of the PTW 2Dâ€ARRAY seven29 and OCTAVIUS II phantom for IMRT and VMAT verification. Journal of Applied Clinical Medical Physics, 2013, 14, 274-292.	0.8	47
24	A dosimetric intercomparison of electron beams in UK radiotherapy centres. Physics in Medicine and Biology, 1997, 42, 2393-2409.	1.6	43
25	Physics-aspects of dose accuracy in high dose rate (HDR) brachytherapy: source dosimetry, treatment planning, equipment performance and in vivo verification techniques. Journal of Contemporary Brachytherapy, 2012, 2, 81-91.	0.4	43
26	Assessment of the variation in CT scanner performance (image quality and Hounsfield units) with scan parameters, for image optimisation in radiotherapy treatment planning. Physica Medica, 2018, 45, 59-64.	0.4	43
27	Dose-rate and the reciprocity law: TL response of Ge-doped SiO2 optical fibers at therapeutic radiation doses. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 891-895.	0.7	40
28	Evaluation and implementation of tripleâ€channel radiochromic film dosimetry in brachytherapy. Journal of Applied Clinical Medical Physics, 2014, 15, 280-296.	0.8	40
29	Verification of high dose rate brachytherapy dose distributions with EBT3 Gafchromic film quality control techniques. Physics in Medicine and Biology, 2013, 58, 497-511.	1.6	39
30	Design and implementation of a film dosimetry audit tool for comparison of planned and delivered dose distributions in high dose rate (HDR) brachytherapy. Physics in Medicine and Biology, 2013, 58, 6623-6640.	1.6	37
31	A Novel Scaffold-Based Hybrid Multicellular Model for Pancreatic Ductal Adenocarcinomaâ€"Toward a Better Mimicry of the in vivo Tumor Microenvironment. Frontiers in Bioengineering and Biotechnology, 2020, 8, 290.	2.0	37
32	A methodology for dosimetry audit of rotational radiotherapy using a commercial detector array. Radiotherapy and Oncology, 2013, 108, 78-85.	0.3	34
33	Ge-doped optical fibres as thermoluminescence dosimeters for kilovoltage X-ray therapy irradiations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 834-837.	0.7	33
34	Polarity and ion recombination correction factors for ionization chambers employed in electron beam dosimetry. Physics in Medicine and Biology, 1998, 43, 435-443.	1.6	31
35	The potential of Ge-doped optical fibre TL dosimetry for 3D verification of high energy IMRT photon beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 157-162.	0.7	30
36	An investigation of the thermoluminescence of Ge-doped SiO2 optical fibres for application in interface radiation dosimetry. Applied Radiation and Isotopes, 2012, 70, 1436-1441.	0.7	30

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37	Establishment of Ge-doped optical fibres as thermoluminescence dosimeters for brachytherapy. Applied Radiation and Isotopes, 2012, 70, 1158-1161.	0.7	29
38	Characterization of Ge-doped optical fibres for MV radiotherapy dosimetry. Radiation Physics and Chemistry, 2014, 98, 33-41.	1.4	29
39	Clinical applications of textural analysis in non-small cell lung cancer. British Journal of Radiology, 2018, 91, 20170267.	1.0	28
40	A dosimetric intercomparison of kilovoltage X-rays, megavoltage photons and electrons in the Republic of Ireland. Radiotherapy and Oncology, 1998, 48, 95-102.	0.3	27
41	Comparison of methods for the measurement of radiation dose distributions in high dose rate (HDR) brachytherapy: Geâ€doped optical fiber, EBT3 Gafchromic film, and PRESAGE^{Â®} radiochromic plastic. Medical Physics, 2013, 40, 061707.	1.6	27
42	Development of tailor-made silica fibres for TL dosimetry. Radiation Physics and Chemistry, 2014, 104, 3-9.	1.4	27
43	A multicentre â€˜end to endâ€™ dosimetry audit for cervix HDR brachytherapy treatment. Radiotherapy and Oncology, 2015, 114, 264-271.	0.3	27
44	An evaluation of epoxy resin phantom materials for megavoltage photon dosimetry. Physics in Medicine and Biology, 1999, 44, 1125-1132.	1.6	26
45	Spectral reconstruction of clinical megavoltage photon beams and the implications of spectral determination on the dosimetry of such beams. Physics in Medicine and Biology, 1998, 43, 1507-1521.	1.6	25
46	Simulation of tissue activity curves of⁶⁴Cu-ATSM for sub-target volume delineation in radiotherapy. Physics in Medicine and Biology, 2010, 55, 681-694.	1.6	25
47	A collision prevention software tool for complex three-dimensional isocentric set-ups.. British Journal of Radiology, 2000, 73, 537-541.	1.0	24
48	Developments in production of silica-based thermoluminescence dosimeters. Radiation Physics and Chemistry, 2017, 137, 37-44.	1.4	23
49	Adaptation and validation of a commercial head phantom for cranial radiosurgery dosimetry end-to-end audit. British Journal of Radiology, 2017, 90, 20170053.	1.0	23
50	Dosimetry of the microSelectron-HDR Ir-192 source using PRESAGEâ„¢ and optical CT. Applied Radiation and Isotopes, 2009, 67, 419-422.	0.7	22
51	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. British Journal of Radiology, 2012, 85, 423-432.	1.0	22
52	Establishing the suitability of quantitative optical CT microscopy of PRESAGEÂ® radiochromic dosimeters for the verification of synchrotron microbeam therapy. Physics in Medicine and Biology, 2013, 58, 6279-6297.	1.6	22
53	Current status of cranial stereotactic radiosurgery in the UK. British Journal of Radiology, 2016, 89, 20150452.	1.0	22
54	Investigation of the use of Ge-doped optical fibre for in vitro IMRT prostate dosimetry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 819-823.	0.7	21

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55	Comparison of the TL fading characteristics of Ge-doped optical fibres and LiF dosimeters. Applied Radiation and Isotopes, 2012, 70, 1384-1387.	0.7	21
56	Chemoradiotherapy screening in a novel biomimetic polymer based pancreatic cancer model. RSC Advances, 2019, 9, 41649-41663.	1.7	21
57	The Clinical Implications of the Collapsed Cone Planning Algorithm. Clinical Oncology, 2004, 16, 148-154.	0.6	20
58	Direct detection of 6 MV x-rays from a medical linear accelerator using a semiconducting polymer diode. Physics in Medicine and Biology, 2013, 58, 4471-4482.	1.6	20
59	Dosimetric audit in brachytherapy. British Journal of Radiology, 2014, 87, 20140105.	1.0	20
60	Glass beads and Ge-doped optical fibres as thermoluminescence dosimeters for small field photon dosimetry. Physics in Medicine and Biology, 2014, 59, 6875-6889.	1.6	19
61	Characterisation of a plastic scintillation detector to be used in a multicentre stereotactic radiosurgery dosimetry audit. Radiation Physics and Chemistry, 2017, 140, 373-378.	1.4	19
62	Inter-comparison of quantitative imaging of lutetium-177 (177Lu) in European hospitals. EJNMMI Physics, 2018, 5, 17.	1.3	19
63	Radiotherapy equipmentâ€"purchase or lease?. British Journal of Radiology, 2001, 74, 735-744.	1.0	18
64	Energy response of glass bead TLDs irradiated with radiation therapy beams. Radiation Physics and Chemistry, 2014, 104, 208-211.	1.4	18
65	High sensitivity flat SiO2 fibres for medical dosimetry. Radiation Physics and Chemistry, 2014, 104, 134-138.	1.4	18
66	An evaluation of epoxy resin phantom materials for electron dosimetry. Physics in Medicine and Biology, 1998, 43, 1523-1528.	1.6	17
67	Changes in Patterns of Intensity-modulated Radiotherapy Verification and Quality Assurance in the UK. Clinical Oncology, 2016, 28, e28-e34.	0.6	17
68	3d tissue models as tools for radiotherapy screening for pancreatic cancer. British Journal of Radiology, 2021, 94, 20201397.	1.0	17
69	Volumetric modulated arc therapy (VMAT): a review of clinical outcomesâ€"what is the clinical evidence for the most effective implementation?. British Journal of Radiology, 2022, 95, .	1.0	17
70	Radiotherapy reference dose audit in the United Kingdom by the National Physical Laboratory: 20 years of consistency and improvements. Physics and Imaging in Radiation Oncology, 2017, 3, 21-27.	1.2	16
71	Biological effects of static magnetic field exposure in the context of MR-guided radiotherapy. British Journal of Radiology, 2019, 92, 20180484.	1.0	16
72	Design concept for a novel SQUID-based microdosemeter. Radiation Protection Dosimetry, 2011, 143, 427-431.	0.4	14

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73	On the Evaluation of a Novel Hypoxic 3D Pancreatic Cancer Model as a Tool for Radiotherapy Treatment Screening. Cancers, 2021, 13, 6080.	1.7	14
74	Modelling and Detecting Tumour Oxygenation Levels. PLoS ONE, 2012, 7, e38597.	1.1	13
75	Physics Contributions A survey of quality control practices for high dose rate (HDR) and pulsed dose rate (PDR) brachytherapy in the United Kingdom. Journal of Contemporary Brachytherapy, 2012, 4, 232-240.	0.4	13
76	Mathematical modelling of tumour volume dynamics in response to stereotactic ablative radiotherapy for non-small cell lung cancer. Physics in Medicine and Biology, 2015, 60, 3695-3713.	1.6	12
77	IPEM topical report: the first UK survey of dose indices from radiotherapy treatment planning computed tomography scans for adult patients. Physics in Medicine and Biology, 2018, 63, 185008.	1.6	12
78	Ultraâ€Low Dark Current Organicâ€“Inorganic Hybrid Xâ€Ray Detectors. Advanced Functional Materials, 2021, 31, 2008482.	7.8	12
79	A multi-centre analysis of radiotherapy beam output measurement. Physics and Imaging in Radiation Oncology, 2017, 4, 39-43.	1.2	11
80	IPEM code of practice for high-energy photon therapy dosimetry based on the NPL absorbed dose calibration service. Physics in Medicine and Biology, 2020, 65, 195006.	1.6	11
81	Low radiation dose to treat pneumonia and other inflammations. British Journal of Radiology, 2021, 94, 20201265.	1.0	11
82	Low Dose Ionising Radiation-Induced Hormesis: Therapeutic Implications to Human Health. Applied Sciences (Switzerland), 2021, 11, 8909.	1.3	11
83	A Dose-response Relationship for the Incidence of Radiation-related Heart Disease. International Journal of Radiation Oncology Biology Physics, 2010, 78, S49-S50.	0.4	10
84	Feasibility of using glass-bead thermoluminescent dosimeters for radiotherapy treatment plan verification. British Journal of Radiology, 2015, 88, 20140804.	1.0	10
85	Development of a calibration protocol for quantitative imaging for molecular radiotherapy dosimetry. Radiation Physics and Chemistry, 2017, 140, 355-360.	1.4	10
86	Characterisation of borosilicate glass media as potential thermoluminescent dosimeters. Radiation Physics and Chemistry, 2020, 168, 108630.	1.4	10
87	Multi-institutional dosimetric delivery assessment of intracranial stereotactic radiosurgery on different treatment platforms. Radiotherapy and Oncology, 2020, 147, 153-161.	0.3	10
88	Adapting clinical gamma cameras for body monitoring in the event of a large-scale radiological incident. Journal of Radiological Protection, 2016, 36, 363-381.	0.6	9
89	The stability of imaging biomarkers in radiomics: a framework for evaluation. Physics in Medicine and Biology, 2019, 64, 165012.	1.6	8
90	Multivariate log file analysis for multi-leaf collimator failure prediction in radiotherapy delivery. Physics and Imaging in Radiation Oncology, 2020, 15, 72-76.	1.2	8

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91	Novel Anticancer and Treatment Sensitizing Compounds against Pancreatic Cancer. Cancers, 2021, 13, 2940.	1.7	8
92	Evaluating commercial image registration packages for radiotherapy treatment planning. Applied Radiation and Isotopes, 2008, 66, 1948-1953.	0.7	7
93	An investigation of the response of the radiochromic dosimeter PRESAGE^{TM}to irradiation by 62 MeV protons. Journal of Physics: Conference Series, 2010, 250, 012034.	0.3	7
94	Effect of window level on target volume delineation in treatment planning. Applied Radiation and Isotopes, 2010, 68, 602-604.	0.7	7
95	Effect of penetrating ionising radiation on the mechanical properties of pericardium. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 356-360.	0.7	7
96	Volumetric-modulated arc therapy (RapidArc) vs. conventional fixed-field intensity-modulated radiotherapy for 18F-FDG-PET-guided dose escalation in oropharyngeal cancer: A planning study. Medical Dosimetry, 2013, 38, 18-24.	0.4	7
97	Measurement of dose enhancement close to high atomic number media using optical fibre thermoluminescence dosimeters. Radiation Physics and Chemistry, 2014, 95, 145-147.	1.4	7
98	A comparison of protocols for external beam radiotherapy beam calibrations. Applied Radiation and Isotopes, 2012, 70, 1331-1336.	0.7	6
99	Atomic force microscopy and mechanical testing of bovine pericardium irradiated to radiotherapy doses. Radiation Physics and Chemistry, 2014, 96, 176-180.	1.4	6
100	Commercial glass beads as TLDs in radiotherapy produced by different manufacturers. Radiation Physics and Chemistry, 2017, 137, 181-186.	1.4	6
101	Dosimetry audits and intercomparisons in radiotherapy: A Malaysian profile. Radiation Physics and Chemistry, 2017, 140, 207-212.	1.4	6
102	Novel high resolution 125I brachytherapy source dosimetry using Ge-doped optical fibres. Radiation Physics and Chemistry, 2013, 92, 48-53.	1.4	5
103	Monte Carlo simulation of a TEPC for microdosimetry of carbon ions. Radiation Physics and Chemistry, 2017, 140, 412-418.	1.4	5
104	Feasibility study of silica bead thermoluminescence detectors (TLDs) in an external radiotherapy dosimetry audit programme. Radiation Physics and Chemistry, 2017, 141, 251-256.	1.4	5
105	Potential lethal damage repair in glioblastoma cells irradiated with ion beams of various types and levels of linear energy transfer. Journal of Radiation Research, 2019, 60, 59-68.	0.8	5
106	Thermoluminescence measurements of eye-lens dose in a multi-centre stereotactic radiosurgery audit. Radiation Physics and Chemistry, 2019, 155, 75-81.	1.4	5
107	The radiobiological effects of He, C and Ne ions as a function of LET on various glioblastoma cell lines. Journal of Radiation Research, 2019, 60, 178-188.	0.8	5
108	Hybrid Multipixel Array X-Ray Detectors for Real-Time Direct Detection of Hard X-Rays. IEEE Transactions on Nuclear Science, 2020, 67, 2238-2245.	1.2	5

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109	UK adaptive radiotherapy practices for head and neck cancer patients. BJR|Open, 2020, 2, 20200051.	0.4	5
110	Evaluation of a micro ionization chamber for dosimetric measurements in image-guided preclinical irradiation platforms. Physics in Medicine and Biology, 2021, 66, 245012.	1.6	5
111	An experimental evaluation of recent electron dosimetry codes of practice. Physics in Medicine and Biology, 1998, 43, 1999-2014.	1.6	4
112	Semi-3D dosimetry of high dose rate brachytherapy using a novel Gafchromic EBT3 film-array water phantom. Journal of Physics: Conference Series, 2013, 444, 012101.	0.3	4
113	Feasibility of employing thick microbeams from superficial and orthovoltage kVp x-ray tubes for radiotherapy of superficial cancers. Radiation Physics and Chemistry, 2017, 140, 237-241.	1.4	4
114	Editorial: The role of medical physics in lung SBRT. Physica Medica, 2018, 45, 205-206.	0.4	4
115	Radiation dosimetry changes in radiotherapy treatment plans for adult patients arising from the selection of the CT image reconstruction kernel. BJR|Open, 2019, 1, 20190023.	0.4	4
116	Ion beams for space radiation radiobiological effect studies. Radiation Physics and Chemistry, 2019, 165, 108373.	1.4	4
117	Can different Catphan phantoms be used in a multi-centre audit of radiotherapy CT image quality?. Physica Medica, 2020, 78, 38-47.	0.4	4
118	Microscope cover-slip glass for TLD applications. Applied Radiation and Isotopes, 2020, 160, 109132.	0.7	4
119	Dosimetric Performance of A-Si Electronic Portal Imaging Devices. International Journal of Medical Physics, Clinical Engineering and Radiation Oncology, 2016, 05, 162-175.	0.3	4
120	Experiences of a proactive IR(ME)R inspection in radiotherapy. British Journal of Radiology, 2004, 77, 329-332.	1.0	3
121	AFM and uni-axial testing of pericardium exposed to radiotherapy doses. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 874-877.	0.7	3
122	Investigating the Intrinsic Noise Limit of Dayem Bridge NanoSQUIDs. IEEE Transactions on Applied Superconductivity, 2014, , 1-1.	1.1	3
123	Preliminary investigations of two types of silica-based dosimeter for small-field radiotherapy. Radiation Physics and Chemistry, 2014, 104, 139-144.	1.4	3
124	Coupling Monte Carlo simulations with thermal analysis for correcting microdosimetric spectra from a novel micro-calorimeter. Radiation Physics and Chemistry, 2017, 140, 406-411.	1.4	3
125	InÂVitro Evaluation of Notch Inhibition to Enhance Efficacy of Radiation Therapy in Melanoma. Advances in Radiation Oncology, 2021, 6, 100622.	0.6	3
126	An attempt to determine the saturation dose for PRESAGE^{â„¢}. Journal of Physics: Conference Series, 2009, 164, 012043.	0.3	2

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127	A mathematical approach towards simulating a realistic tissue activity curve of 64Cu-ATSM for the purpose of sub-target volume delineation in radiotherapy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 283-286.	0.7	2
128	Impact of Intrafraction Motion on TCP and Rectal NTCP Values in Patients Receiving IG-IMRT for Prostate Cancer. International Journal of Radiation Oncology Biology Physics, 2010, 78, S363-S364.	0.4	2
129	A simple approach for EPID dosimetric calibration to overcome the effect of image-lag and ghosting. Applied Radiation and Isotopes, 2012, 70, 1154-1157.	0.7	2
130	Tomotherapy evaluation for head and neck cases using two types of phantoms. Radiation Physics and Chemistry, 2014, 95, 323-325.	1.4	2
131	Factors influencing the robustness ofP-value measurements in CT texture prognosis studies. Physics in Medicine and Biology, 2017, 62, 5403-5416.	1.6	2
132	Investigation of properties of nanobridge Josephson junctions and superconducting tracks fabricated by FIB. Journal of Physics: Conference Series, 2018, 964, 012004.	0.3	2
133	GeB flat fibre TL dosimeters for in-vivo measurements in radiosurgery. Radiation Physics and Chemistry, 2021, 178, 108973.	1.4	2
134	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. Radiation Protection Dosimetry, 2021, 193, 176-184.	0.4	2
135	Quantification of the uncertainties within the radiotherapy dosimetry chain and their impact on tumour control. Physics and Imaging in Radiation Oncology, 2021, 19, 33-38.	1.2	2
136	The Effect of Contrast Agents on Dose Calculations of Volumetric Modulated Arc Radiotherapy Plans for Critical Structures. Applied Sciences (Switzerland), 2021, 11, 8355.	1.3	2
137	Regression Analysis of Rectal Cancer and Possible Application of Artificial Intelligence (AI) Utilization in Radiotherapy. Applied Sciences (Switzerland), 2022, 12, 725.	1.3	2
138	Review of the effect of reduced levels of background radiation on living organisms. Radiation Physics and Chemistry, 2022, 200, 110273.	1.4	2
139	Dosimetric characteristics of fabricated germanium doped optical fibres for a postal audit of therapy electron beams. Radiation Physics and Chemistry, 2022, 200, 110346.	1.4	2
140	Electron dosimetry in the presence of small cavities. Journal of Physics: Conference Series, 2010, 250, 012090.	0.3	1
141	Investigating radionuclide source shielding performance using Ge-doped optical fibre thermoluminescence dosimeters. , 2012, , .		1
142	Simulation of Coplanar Proximity Charge Sensing Electrodes in CZT Detectors. Arabian Journal for Science and Engineering, 2020, 45, 4949-4957.	1.7	1
143	Estimation of Dose Enhancement for Inhomogeneous Distribution of Nanoparticles: A Monte Carlo Study. Applied Sciences (Switzerland), 2021, 11, 4900.	1.3	1
144	Production of actinium-225 from a (n,p) reaction: Feasibility and pre-design studies. Nukleonika, 2021, 66, 61-67.	0.3	1

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145	CBCT Evaluation of Dose-Volume Changes in Contralateral Parotid Gland during Head and Neck IG-IMRT. International Journal of Radiation Oncology Biology Physics, 2010, 78, S481-S482.	0.4	0
146	425 poster BIOPHYSICAL ESTIMATION OF DNA DAMAGE AND SECOND CANCER RISK USING GAMMA H2AX AND TLDS IN PROSTATE CANCER IMRT. Radiotherapy and Oncology, 2011, 99, S169-S170.	0.3	0
147	Investigating ionisation cluster size distribution due to sub-1 keV electrons in view of Heisenberg's Uncertainty. Journal of Physics: Conference Series, 2015, 633, 012002.	0.3	0
148	OC-0611: Modelling the clinical impact of machine specific dose variations on outcome using national data. Radiotherapy and Oncology, 2018, 127, S322.	0.3	0
149	SP-0646: Challenges for clinical automated planning encountered at Royal Surrey County Hospital. Radiotherapy and Oncology, 2018, 127, S343.	0.3	0
150	PO-0970: Robustness of Texture as a Biomarker in Radiomics Applications. Radiotherapy and Oncology, 2018, 127, S534-S535.	0.3	0
151	Textural analysis and lung function study: Predicting lung fitness for radiotherapy from a CT scan. BJR|Open, 2019, 1, bjro.20180001.	0.4	0
152	Computational Simulation of Tumour Hypoxia as applied to Radiation Therapy Applications. IFMBE Proceedings, 2009, , 64-66.	0.2	0
153	A High-Throughput In Vitro Radiobiology Platform for Megavoltage Photon Linear Accelerator Studies. Applied Sciences (Switzerland), 2022, 12, 1456.	1.3	0