

Eva Bezak

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

151
papers

1,620
citations

20
h-index

31
g-index

170
ext. papers

2,035
ext. citations

3.9
avg, IF

5.25
L-index

#	Paper	IF	Citations
151	A review of the development of tumor vasculature and its effects on the tumor microenvironment. <i>Hypoxia (Auckland, N Z)</i> , 2017 , 5, 21-32	2.1	137
150	Review of Geant4-DNA applications for micro and nanoscale simulations. <i>Physica Medica</i> , 2016 , 32, 1187-1200	2.7	76
149	Monte Carlo investigation of the increased radiation deposition due to gold nanoparticles using kilovoltage and megavoltage photons in a 3D randomized cell model. <i>Medical Physics</i> , 2013 , 40, 071710	4.4	65
148	Global comparison of targeted alpha vs targeted beta therapy for cancer: In vitro, in vivo and clinical trials. <i>Critical Reviews in Oncology/Hematology</i> , 2018 , 123, 7-20	7	61
147	Out-of-field neutron and leakage photon exposures and the associated risk of second cancers in high-energy photon radiotherapy: current status. <i>Radiation Research</i> , 2011 , 176, 508-20	3.1	37
146	Metallic nanoparticle radiosensitisation of ion radiotherapy: A review. <i>Physica Medica</i> , 2018 , 47, 121-128	2.7	36
145	Current understanding of cancer stem cells: Review of their radiobiology and role in head and neck cancers. <i>Head and Neck</i> , 2017 , 39, 1920-1932	4.2	30
144	Parthenolide Selectively Sensitizes Prostate Tumor Tissue to Radiotherapy while Protecting Healthy Tissues In Vivo. <i>Radiation Research</i> , 2017 , 187, 501-512	3.1	27
143	Risk of second primary cancer following prostate cancer radiotherapy: DVH analysis using the competitive risk model. <i>Physics in Medicine and Biology</i> , 2009 , 54, 611-25	3.8	27
142	Cross-Correlative Single-Cell Analysis Reveals Biological Mechanisms of Nanoparticle Radiosensitization. <i>ACS Nano</i> , 2019 , 13, 5077-5090	16.7	26
141	Risk of second primary cancer after breast cancer treatment. <i>European Journal of Cancer Care</i> , 2014 , 23, 51-64	2.4	26
140	Review of MammoSite brachytherapy: advantages, disadvantages and clinical outcomes. <i>Acta Oncologica</i> , 2009 , 48, 487-94	3.2	26
139	Four dimensional CT imaging: a review of current technologies and modalities. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2012 , 35, 9-23	1.9	25
138	Absorbed dose measurements in dual energy X-ray absorptiometry (DXA). <i>British Journal of Radiology</i> , 1997 , 70, 172-9	3.4	25
137	Thermal-Spike Lifetime from Picosecond-Duration Preequilibrium Effects in Hyperfine Magnetic Fields Following Ion Implantation. <i>Physical Review Letters</i> , 1999 , 82, 3637-3640	7.4	25
136	Protection from radiation-induced apoptosis by the radioprotector amifostine (WR-2721) is radiation dose dependent. <i>Cell Biology and Toxicology</i> , 2014 , 30, 55-66	7.4	24
135	Assessment of normal tissue complications following prostate cancer irradiation: comparison of radiation treatment modalities using NTCP models. <i>Medical Physics</i> , 2010 , 37, 5126-37	4.4	21

134	Evaluation of MLC leaf positioning using a scanning liquid ionization chamber EPID. <i>Physics in Medicine and Biology</i> , 2007 , 52, N21-33	3.8	21
133	Measured magnetic moments in ¹⁶⁹ Tm and the particle-rotor model; implications for transient field calibration. <i>Nuclear Physics A</i> , 1999 , 647, 175-196	1.3	21
132	Monte Carlo radiotherapy simulations of accelerated repopulation and reoxygenation for hypoxic head and neck cancer. <i>British Journal of Radiology</i> , 2011 , 84, 903-18	3.4	20
131	Risk estimation of second primary cancers after breast radiotherapy. <i>Acta Oncologica</i> , 2016 , 55, 1331-1337	3.2	20
130	Targeted therapy using ²²⁷ Th-APOMAB and cross-fire antitumour effects: preliminary in-vivo evaluation. <i>Nuclear Medicine Communications</i> , 2014 , 35, 1284-90	1.6	19
129	Development of a randomized 3D cell model for Monte Carlo microdosimetry simulations. <i>Medical Physics</i> , 2012 , 39, 3509-19	4.4	19
128	Non-targeted effects of ionising radiation and radiotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2010 , 33, 219-31	1.9	19
127	Scheduling cisplatin and radiotherapy in the treatment of squamous cell carcinomas of the head and neck: a modelling approach. <i>Physics in Medicine and Biology</i> , 2006 , 51, 3625-37	3.8	19
126	Two-dimensional transmitted dose measurements using a scanning liquid ionization chamber EPID. <i>Physics in Medicine and Biology</i> , 2006 , 51, 2971-85	3.8	18
125	Tumour resistance to cisplatin: a modelling approach. <i>Physics in Medicine and Biology</i> , 2005 , 50, 93-102	3.8	18
124	The methylation of DNA repeat elements is sex-dependent and temporally different in response to X radiation in radiosensitive and radioresistant mouse strains. <i>Radiation Research</i> , 2014 , 181, 65-75	3.1	17
123	Current challenges in clinical target volume definition: tumour margins and microscopic extensions. <i>Acta Oncologica</i> , 2012 , 51, 984-95	3.2	17
122	Implantation-induced amorphization of InP characterized with perturbed angular correlation. <i>Applied Physics Letters</i> , 1999 , 75, 1923-1925	3.4	17
121	IMP AC in-beam and out-of-beam g-factors and pre-equilibrium effects following ion-implantation. <i>Hyperfine Interactions</i> , 1996 , 97-98, 479-499	0.8	17
120	Imaging of Tumor Characteristics and Molecular Pathways With PET: Developments Over the Last Decade Toward Personalized Cancer Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 102, 1165-1182	4	17
119	The risk of second primary cancers due to peripheral photon and neutron doses received during prostate cancer external beam radiation therapy. <i>Physica Medica</i> , 2017 , 42, 253-258	2.7	16
118	Optical CT scanner for in-air readout of gels for external radiation beam 3D dosimetry. <i>Physics in Medicine and Biology</i> , 2012 , 57, 3853-68	3.8	16
117	A Retrospective Dosimetric Study of Radiotherapy Patients with Left-Sided Breast Cancer; Patient Selection Criteria for Deep Inspiration Breath Hold Technique. <i>Cancers</i> , 2019 , 11,	6.6	15

116	Efficient Monte Carlo modelling of individual tumour cell propagation for hypoxic head and neck cancer. <i>Physics in Medicine and Biology</i> , 2008 , 53, 4489-507	3.8	15
115	Electromagnetic properties of low-excitation states in 191Ir and 193Ir and supersymmetry schemes. <i>Nuclear Physics A</i> , 2000 , 669, 241-265	1.3	15
114	Validation and investigation of reactive species yields of Geant4-DNA chemistry models. <i>Medical Physics</i> , 2019 , 46, 983-998	4.4	15
113	Diversity of cancer stem cells in head and neck carcinomas: The role of HPV in cancer stem cell heterogeneity, plasticity and treatment response. <i>Radiotherapy and Oncology</i> , 2019 , 135, 1-12	5.3	14
112	In vitro investigation of head and neck cancer stem cell proportions and their changes following X-ray irradiation as a function of HPV status. <i>PLoS ONE</i> , 2017 , 12, e0186186	3.7	14
111	The Promise of Novel Biomarkers for Head and Neck Cancer from an Imaging Perspective. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	13
110	Enhanced intrinsic radiosensitivity after treatment with stereotactic radiosurgery for an acoustic neuroma. <i>Radiotherapy and Oncology</i> , 2012 , 103, 410-4	5.3	12
109	Four dimensional radiotherapy: a review of current technologies and modalities. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2012 , 35, 399-406	1.9	12
108	If bystander effects for apoptosis occur in spleen after low-dose irradiation in vivo then the magnitude of the effect falls within the range of normal homeostatic apoptosis. <i>Radiation Research</i> , 2010 , 174, 727-31	3.1	12
107	Modelling of tumour repopulation after chemotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2010 , 33, 265-70	1.9	12
106	Current status of proton therapy outcome for paediatric cancers of the central nervous system - Analysis of the published literature. <i>Cancer Treatment Reviews</i> , 2018 , 70, 272-288	14.4	12
105	The use of enriched 6Li and 7Li LiF:Mg,Cu,P glass-rod thermoluminescent dosimeters for linear accelerator out-of-field radiation dose measurements. <i>Radiation Protection Dosimetry</i> , 2012 , 150, 22-33	0.9	11
104	Solutions to Gender Balance in STEM Fields Through Support, Training, Education and Mentoring: Report of the International Women in Medical Physics and Biomedical Engineering Task Group. <i>Science and Engineering Ethics</i> , 2020 , 26, 275-292	3.1	11
103	Monte Carlo Simulation of the Oxygen Effect in DNA Damage Induction by Ionizing Radiation. <i>Radiation Research</i> , 2018 , 190, 248-261	3.1	11
102	Current Status of Transvaginal Ultrasound Accuracy in the Diagnosis of Deep Infiltrating Endometriosis Before Surgery: A Systematic Review of the Literature. <i>Journal of Ultrasound in Medicine</i> , 2020 , 39, 1477-1490	2.9	10
101	Relating Intercellular Variability in Nanoparticle Uptake with Biological Consequence: A Quantitative X-ray Fluorescence Study for Radiosensitization of Cells. <i>Analytical Chemistry</i> , 2015 , 87, 10693-7	7.8	10
100	A single whole-body low dose X-irradiation does not affect L1, B1 and IAP repeat element DNA methylation longitudinally. <i>PLoS ONE</i> , 2014 , 9, e93016	3.7	10
99	The HYP-RT hypoxic tumour radiotherapy algorithm and accelerated repopulation dose per fraction study. <i>Computational and Mathematical Methods in Medicine</i> , 2012 , 2012, 363564	2.8	10

98	Radiobiological modeling of interplay between accelerated repopulation and altered fractionation schedules in head and neck cancer. <i>Journal of Medical Physics</i> , 2009 , 34, 206-11	0.7	10
97	Hyperfine Magnetic Fields for Os, Ir and Pt in Iron: Pre-equilibrium Effects, Domain Rotation and the Aharoni Effect. <i>Australian Journal of Physics</i> , 1998 , 51, 183		10
96	Gold Nanoparticle Enhanced Proton Therapy: Monte Carlo Modeling of Reactive Species Distributions Around a Gold Nanoparticle and the Effects of Nanoparticle Proximity and Clustering. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	9
95	Are further studies needed to justify the use of proton therapy for paediatric cancers of the central nervous system? A review of current evidence. <i>Radiotherapy and Oncology</i> , 2019 , 133, 140-148	5.3	9
94	Diagnostic accuracy of the appearance of Nigrosome-1 on magnetic resonance imaging in Parkinson's disease: A systematic review and meta-analysis. <i>Parkinsonism and Related Disorders</i> , 2020 , 78, 12-20	3.6	9
93	Autoradiography imaging in targeted alpha therapy with Timepix detector. <i>Computational and Mathematical Methods in Medicine</i> , 2015 , 2015, 612580	2.8	9
92	Measurement of reoxygenation during fractionated radiotherapy in head and neck squamous cell carcinoma xenografts. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2010 , 33, 251-63	1.9	9
91	Gold nanoparticle enhanced proton therapy: A Monte Carlo simulation of the effects of proton energy, nanoparticle size, coating material, and coating thickness on dose and radiolysis yield. <i>Medical Physics</i> , 2020 , 47, 651-661	4.4	9
90	Development of a transmission alpha particle dosimetry technique using A549 cells and a Ra-223 source for targeted alpha therapy. <i>Medical Physics</i> , 2016 , 43, 6145	4.4	9
89	Biomedical Physics in Radiotherapy for Cancer 2012 ,		9
88	Peripheral photon and neutron doses from prostate cancer external beam irradiation. <i>Radiation Protection Dosimetry</i> , 2015 , 167, 591-601	0.9	8
87	Development of a radiation track structure clustering algorithm for the prediction of DNA DSB yields and radiation induced cell death in Eukaryotic cells. <i>Physics in Medicine and Biology</i> , 2015 , 60, 3217-3236	3.8	8
86	Approaches to combat hypoxia in cancer therapy and the potential for in silico models in their evaluation. <i>Physica Medica</i> , 2019 , 64, 145-156	2.7	8
85	PET-specific parameters and radiotracers in theoretical tumour modelling. <i>Computational and Mathematical Methods in Medicine</i> , 2015 , 2015, 415923	2.8	8
84	In silico modelling of tumour margin diffusion and infiltration: review of current status. <i>Computational and Mathematical Methods in Medicine</i> , 2012 , 2012, 672895	2.8	8
83	2D versus 3D radiation therapy for prostate carcinoma: a direct comparison of dose volume parameters. <i>Acta Oncologica</i> , 2005 , 44, 348-54	3.2	8
82	Oesophageal cancer: Which treatment is the easiest to swallow? A review of combined modality treatments for resectable carcinomas. <i>Critical Reviews in Oncology/Hematology</i> , 2017 , 113, 135-150	7	7
81	The Potential Role of Radiomics and Radiogenomics in Patient Stratification by Tumor Hypoxia Status. <i>Journal of the American College of Radiology</i> , 2019 , 16, 1329-1337	3.5	7

80	Evaluation of current clinical target volume definitions for glioblastoma using cell-based dosimetry stochastic methods. <i>British Journal of Radiology</i> , 2015 , 88, 20150155	3.4	7
79	Clinical Limitations of Photon, Proton and Carbon Ion Therapy for Pancreatic Cancer. <i>Cancers</i> , 2020 , 12,	6.6	7
78	Altered fractionation outcomes for hypoxic head and neck cancer using the HYP-RT Monte Carlo model. <i>British Journal of Radiology</i> , 2013 , 86, 20120443	3.4	7
77	The use of extended dose range film for dosimetric calibration of a scanning liquid-filled ionization chamber electronic portal imaging device. <i>Journal of Applied Clinical Medical Physics</i> , 2006 , 8, 69-84	2.3	7
76	Radioimmunotherapy of Pancreatic Ductal Adenocarcinoma: A Review of the Current Status of Literature. <i>Cancers</i> , 2020 , 12,	6.6	6
75	Gender-dependent radiotherapy: The next step in personalised medicine?. <i>Critical Reviews in Oncology/Hematology</i> , 2020 , 147, 102881	7	6
74	Monte Carlo simulations of dose distributions with necrotic tumor targeted radioimmunotherapy. <i>Applied Radiation and Isotopes</i> , 2014 , 90, 40-5	1.7	6
73	The impact of uncertainties associated with MammoSite brachytherapy on the dose distribution in the breast. <i>Journal of Applied Clinical Medical Physics</i> , 2011 , 12, 3464	2.3	6
72	Verification of dose delivery for a prostate sIMRT treatment using a SLIC-EPID. <i>Applied Radiation and Isotopes</i> , 2008 , 66, 1930-8	1.7	6
71	How much is too much? Systematic review of cumulative doses from radiological imaging and the risk of cancer in children and young adults. <i>Critical Reviews in Oncology/Hematology</i> , 2021 , 160, 103292	7	6
70	Stochastic Predictions of Cell Kill During Stereotactic Ablative Radiation Therapy: Do Hypoxia and Reoxygenation Really Matter?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 95, 1290-7	4.7	6
69	Treatment-Related Adverse Effects in Lung Cancer Patients after Stereotactic Ablative Radiation Therapy. <i>Journal of Oncology</i> , 2018 , 2018, 6483626	4.5	6
68	Current issues regarding artificial intelligence in cancer and health care. Implications for medical physicists and biomedical engineers. <i>Health and Technology</i> , 2019 , 9, 375-381	2.1	5
67	Neoadjuvant cisplatin for head and neck cancer: Simulation of a novel schedule for improved therapeutic ratio. <i>Journal of Theoretical Biology</i> , 2012 , 297, 41-7	2.3	5
66	Influence of stem-cell cycle time on accelerated re-population during radiotherapy in head and neck cancer. <i>Cell Proliferation</i> , 2012 , 45, 404-12	7.9	5
65	Review of Health Economics of Point-of-Care Testing Worldwide and Its Efficacy of Implementation in the Primary Health Care Setting in Remote Australia. <i>Risk Management and Healthcare Policy</i> , 2020 , 13, 379-386	2.8	5
64	Leadership and mentoring in medical physics: The experience of a medical physics international mentoring program. <i>Physica Medica</i> , 2020 , 76, 337-344	2.7	5
63	The impact of COVID-19 pandemic on gender-related work from home in STEM fields-Report of the WiMPBME Task Group. <i>Gender, Work and Organization</i> , 2021 , 28, 378	4.5	5

62	Monte-Carlo model development for evaluation of current clinical target volume definition for heterogeneous and hypoxic glioblastoma. <i>Physics in Medicine and Biology</i> , 2016 , 61, 3407-26	3.8	5
61	The role of exercise in the prevention of cancer therapy-related cardiac dysfunction in breast cancer patients undergoing chemotherapy: systematic review. <i>European Journal of Preventive Cardiology</i> , 2021 ,	3.9	5
60	Experimental investigation of radiobiology in head and neck cancer cell lines as a function of HPV status, by MTT assay. <i>Scientific Reports</i> , 2018 , 8, 7744	4.9	5
59	Development of an in silico stochastic 4D model of tumor growth with angiogenesis. <i>Medical Physics</i> , 2017 , 44, 1563-1576	4.4	4
58	Simulation of head and neck cancer oxygenation and doubling time in a 4D cellular model with angiogenesis. <i>Scientific Reports</i> , 2017 , 7, 11037	4.9	4
57	Development of an integrated Monte Carlo model for glioblastoma multiforme treated with boron neutron capture therapy. <i>Scientific Reports</i> , 2017 , 7, 7069	4.9	4
56	Preliminary Investigation of Microdosimetric Track Structure Physics Models in Geant4-DNA and RITRACKS. <i>Computational and Mathematical Methods in Medicine</i> , 2015 , 2015, 968429	2.8	4
55	The role of PET imaging in overcoming radiobiological challenges in the treatment of advanced head and neck cancer. <i>Cancer Treatment Reviews</i> , 2012 , 38, 185-93	14.4	4
54	Quo vadis radiotherapy? Technological advances and the rising problems in cancer management. <i>BioMed Research International</i> , 2013 , 2013, 749203	3	4
53	Lack of high-dose radiation mediated prostate cancer promotion and low-dose radiation adaptive response in the TRAMP mouse model. <i>Radiation Research</i> , 2013 , 180, 376-88	3.1	4
52	Comparative Studies Using EXAFS and PAC of Lattice Damage in Semiconductors. <i>Hyperfine Interactions</i> , 2004 , 158, 245-254	0.8	4
51	Influence of Target Location, Size, and Patient Age on Normal Tissue Sparing- Proton and Photon Therapy in Paediatric Brain Tumour Patient-Specific Approach. <i>Cancers</i> , 2020 , 12,	6.6	4
50	Stochastic multicellular modeling of x-ray irradiation, DNA damage induction, DNA free-end misrejoining and cell death. <i>Scientific Reports</i> , 2019 , 9, 18888	4.9	4
49	Evaluation of silica and PMMA optical fibre response when irradiated with 16.5 MeV protons. <i>Physica Medica</i> , 2019 , 65, 15-20	2.7	3
48	Prejudice in science - Lessons from the coronavirus story. <i>Physica Medica</i> , 2020 , 75, 83-84	2.7	3
47	Influence of the human papillomavirus on the radio-responsiveness of cancer stem cells in head and neck cancers. <i>Scientific Reports</i> , 2020 , 10, 2716	4.9	3
46	Geant4 beam model for boron neutron capture therapy: investigation of neutron dose components. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018 , 41, 129-141	1.9	3
45	Evaluation of a real-time optically stimulated luminescence beryllium oxide (BeO) fibre-coupled dosimetry system with a superficial 140 kVp X-ray beam. <i>Physica Medica</i> , 2019 , 65, 167-171	2.7	3

44	Investigation of source position uncertainties & balloon deformation in MammoSite brachytherapy on treatment effectiveness. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2010 , 33, 35-44	1.9	3
43	Calculation of the positron distribution from 15O nuclei formed in nuclear reactions in human tissue during proton therapy. <i>Physics in Medicine and Biology</i> , 2007 , 52, 2483-98	3.8	3
42	Atomic-level characterisation of ion-induced amorphisation in compound semiconductors. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999 , 148, 391-395	1.2	3
41	Temporal Responses to X-Radiation Exposure in Spleen in the pKZ1 Mouse Recombination Assay. <i>Radiation Research</i> , 2016 , 185, 623-9	3.1	3
40	Overview of current applications of the Timepix detector in spectroscopy, radiation and medical physics. <i>Applied Spectroscopy Reviews</i> , 2020 , 55, 243-261	4.5	3
39	Modelling Spatial Scales of Dose Deposition and Radiolysis Products from Gold Nanoparticle Sensitisation of Proton Therapy in A Cell: From Intracellular Structures to Adjacent Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
38	Feeding the Data Monster: Data Science in Head and Neck Cancer for Personalized Therapy. <i>Journal of the American College of Radiology</i> , 2019 , 16, 1695-1701	3.5	2
37	Experimental investigation of the cytotoxicity of medium-borne signals in human prostate cancer cell line. <i>Acta Oncologica</i> , 2012 , 51, 1086-94	3.2	2
36	Physical Modelling of Proton and Heavy Ion Radiation using Geant4. <i>EPJ Web of Conferences</i> , 2012 , 35, 04001	0.3	2
35	Low doses of amifostine protect from chromosomal inversions in spleen in vivo when administered after an occupationally relevant X-radiation dose. <i>International Journal of Low Radiation</i> , 2009 , 6, 43	1	2
34	Stochastic modelling of the role of cisplatin in altered fractionation schedules for head and neck cancer. <i>Physica Medica</i> , 2010 , 26, 177-83	2.7	2
33	Evaluation of relative transmitted dose for a step and shoot head and neck intensity modulated radiation therapy using a scanning liquid ionization chamber electronic portal imaging device. <i>Journal of Medical Physics</i> , 2012 , 37, 14-26	0.7	2
32	Women and men in the Australasian College of Physical Scientists and Engineers in Medicine: workforce survey. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2019 , 42, 33-41	1.9	2
31	Radioimmunotherapy of glioblastoma multiforme - Current status and future prospects. <i>Critical Reviews in Oncology/Hematology</i> , 2021 , 163, 103395	7	2
30	Cocktail without hangover: in search for the optimal chemotherapy in the combined management of non-operable esophageal carcinomas. <i>Acta Oncologica</i> , 2017 , 56, 899-908	3.2	1
29	An image processing application for quantitative cross-correlative microscopy for large cell-populations: a gold nanoparticle radiosensitisation study. <i>Powder Diffraction</i> , 2017 , 32, S33-S37	1.8	1
28	The potential complementary role of targeted alpha therapy in the management of metastatic melanoma. <i>Melanoma Management</i> , 2015 , 2, 353-366	2.1	1
27	Experimental investigation of the cell survival in dose cold spot. <i>Acta Oncologica</i> , 2014 , 53, 16-24	3.2	1

26	modeling of cellular probabilistic nanoparticle radiosensitization in head and neck cancers. <i>Nanomedicine</i> , 2020 , 15, 2837-2850	5.6	1
25	Intrinsic Radiosensitivity Is Not the Determining Factor in Treatment Response Differences between HPV Negative and HPV Positive Head and Neck Cancers. <i>Cells</i> , 2020 , 9,	7.9	1
24	Temporal modelling of beryllium oxide ceramicsReal-time OSL for dosimetry with a superficial 140kVp X-ray beam. <i>Physica Medica</i> , 2020 , 80, 17-22	2.7	1
23	Predictive modeling of hypoxic head and neck cancers during fractionated radiotherapy with gold nanoparticle radiosensitization. <i>Medical Physics</i> , 2021 , 48, 3120-3133	4.4	1
22	Translational Research in FLASH Radiotherapy-From Radiobiological Mechanisms to In Vivo Results. <i>Biomedicines</i> , 2021 , 9,	4.8	1
21	Characteristic differences in radiation-induced DNA damage response in human papillomavirus-negative and human papillomavirus-positive head and neck cancers with accumulation of fractional radiation dose. <i>Head and Neck</i> , 2021 , 43, 3086-3096	4.2	1
20	Normal tissue tolerance amongst paediatric brain tumour patients- current evidence in proton radiotherapy. <i>Critical Reviews in Oncology/Hematology</i> , 2021 , 164, 103415	7	0
19	Artificial intelligence (AI) will enable improved diagnosis and treatment outcomes. <i>Physical and Engineering Sciences in Medicine</i> , 2021 , 44, 603-606	7	0
18	Brachytherapy: radiobiology and physics aspects of treatment 2012 , 225-251		0
17	The effect of exercise on left ventricular global longitudinal strain.. <i>European Journal of Applied Physiology</i> , 2022 , 1	3.4	0
16	Women in Medical Physics and Biomedical Engineering: past, present and future.. <i>Health and Technology</i> , 2022 , 1-8	2.1	0
15	President's Message. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2010 , 33, 3-6	1.9	
14	Image guided radiotherapy: radiobiology and physics aspects of treatment 2012 , 155-181		
13	Fractionation and altered fractionation in radiotherapy 2012 , 107-128		
12	Stereotactic radiosurgery: radiobiology and physics aspects of treatment 2012 , 253-267		
11	Tumour characteristics, development and response to radiation 2012 , 89-105		
10	Elements of radiotherapy physics 2012 , 53-87		
9	Predictive assays 2012 , 383-398		

8 Electron therapy: radiobiology and physics aspects of treatment **2012**, 285-307

7 Elements of health physics **2012**, 399-423

6 External beam hadron radiotherapy **2012**, 309-326

5 Intensity modulated radiotherapy: radiobiology and physics aspects of treatment **2012**, 183-224

4 Three-dimensional conformal radiotherapy: technical and physics aspects of treatment **2012**, 129-154

3 Total body irradiation: radiobiology and physics aspects of treatment **2012**, 269-284

2 Design and verification of an external radiobiological beam port on a 16.5 MeV GE PETtrace proton cyclotron. *Medical Physics*, **2020**, 47, 393-403 4-4

1 Do SABR-related toxicities for lung cancer depend on treatment delivery?. *Critical Reviews in Oncology/Hematology*, **2018**, 129, 67-78 7