

Tomas Kron

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.

351
papers

6,239
citations

41
h-index

59
g-index

395
ext. papers

7,397
ext. citations

2.6
avg, IF

5.63
L-index

#	Paper	IF	Citations
351	Stereotactic ablative radiotherapy versus standard radiotherapy in stage 1 non-small-cell lung cancer (TROG 09.02 CHISEL): a phase 3, open-label, randomised controlled trial. <i>Lancet Oncology, The</i> , 2019 , 20, 494-503	21.7	206
350	Dose resolution in radiotherapy polymer gel dosimetry: effect of echo spacing in MRI pulse sequence. <i>Physics in Medicine and Biology</i> , 2001 , 46, 449-60	3.8	153
349	Stereotactic Abative Body Radiotherapy (SABR) for Oligometastatic Prostate Cancer: A Prospective Clinical Trial. <i>European Urology</i> , 2018 , 74, 455-462	10.2	150
348	Dose response of various radiation detectors to synchrotron radiation. <i>Physics in Medicine and Biology</i> , 1998 , 43, 3235-59	3.8	115
347	TOPGEAR: A Randomized, Phase III Trial of Perioperative ECF Chemotherapy with or Without Preoperative Chemoradiation for Resectable Gastric Cancer: Interim Results from an International, Intergroup Trial of the AGITG, TROG, EORTC and CCTG. <i>Annals of Surgical Oncology</i> , 2017 , 24, 2252-2258	3.1	114
346	Online adaptive radiotherapy for muscle-invasive bladder cancer: results of a pilot study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 81, 765-71	4	89
345	Imaging cellular proliferation during chemo-radiotherapy: a pilot study of serial 18F-FLT positron emission tomography/computed tomography imaging for non-small-cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 75, 1098-104	4	84
344	Fast T1 imaging of dual gel samples for diffusion measurements in NMR dosimetry gels. <i>Magnetic Resonance Imaging</i> , 1997 , 15, 211-21	3.3	80
343	Variations in dose response with x-ray energy of LiF:Mg,Cu,P thermoluminescence dosimeters: implications for clinical dosimetry. <i>Physics in Medicine and Biology</i> , 2004 , 49, 3831-45	3.8	73
342	X-ray surface dose measurements using TLD extrapolation. <i>Medical Physics</i> , 1993 , 20, 703-11	4.4	73
341	A pattern of early radiation-induced inflammatory cytokine expression is associated with lung toxicity in patients with non-small cell lung cancer. <i>PLoS ONE</i> , 2014 , 9, e109560	3.7	70
340	Is it sensible to "deform" dose? 3D experimental validation of dose-warping. <i>Medical Physics</i> , 2012 , 39, 5065-72	4.4	66
339	High rates of tumor growth and disease progression detected on serial pretreatment fluorodeoxyglucose-positron emission tomography/computed tomography scans in radical radiotherapy candidates with nonsmall cell lung cancer. <i>Cancer</i> , 2010 , 116, 5030-7	6.4	61
338	Dosimetry of ionising radiation in modern radiation oncology. <i>Physics in Medicine and Biology</i> , 2016 , 61, R167-205	3.8	61
337	Differential (18)F-FDG and (18)F-FLT Uptake on Serial PET/CT Imaging Before and During Definitive Chemoradiation for Non-Small Cell Lung Cancer. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1069-74	8.9	60
336	Planning evaluation of radiotherapy for complex lung cancer cases using helical tomotherapy. <i>Physics in Medicine and Biology</i> , 2004 , 49, 3675-90	3.8	60
335	Commissioning of optically stimulated luminescence dosimeters for use in radiotherapy. <i>Radiation Measurements</i> , 2013 , 51-52, 31-39	1.5	59

334	Helical tomotherapy for craniospinal radiation. <i>British Journal of Radiology</i> , 2005 , 78, 548-52	3.4	59
333	A novel methodology for 3D deformable dosimetry. <i>Medical Physics</i> , 2012 , 39, 2203-13	4.4	58
332	Acute toxicity in prostate cancer patients treated with and without image-guided radiotherapy. <i>Radiation Oncology</i> , 2011 , 6, 145	4.2	58
331	Investigation of the tissue equivalence of gels used for NMR dosimetry. <i>Physics in Medicine and Biology</i> , 1993 , 38, 139-50	3.8	58
330	High-resolution pulmonary ventilation and perfusion PET/CT allows for functionally adapted intensity modulated radiotherapy in lung cancer. <i>Radiotherapy and Oncology</i> , 2015 , 115, 157-62	5.3	57
329	Intra-fraction prostate displacement in radiotherapy estimated from pre- and post-treatment imaging of patients with implanted fiducial markers. <i>Radiotherapy and Oncology</i> , 2010 , 95, 191-7	5.3	56
328	Performance of 12 DIR algorithms in low-contrast regions for mass and density conserving deformation. <i>Medical Physics</i> , 2013 , 40, 101701	4.4	55
327	Underprediction of human skin erythema at low doses per fraction by the linear quadratic model. <i>Radiotherapy and Oncology</i> , 1996 , 40, 23-30	5.3	55
326	Uncertainty analysis in polymer gel dosimetry. <i>Physics in Medicine and Biology</i> , 1999 , 44, N243-6	3.8	53
325	An automated voxelized dosimetry tool for radionuclide therapy based on serial quantitative SPECT/CT imaging. <i>Medical Physics</i> , 2013 , 40, 112503	4.4	52
324	A contemporary review of stereotactic radiotherapy: inherent dosimetric complexities and the potential for detriment. <i>Acta Oncologica</i> , 2011 , 50, 483-508	3.2	52
323	Consideration of the radiation dose delivered away from the treatment field to patients in radiotherapy. <i>Journal of Medical Physics</i> , 2011 , 36, 59-71	0.7	52
322	Deep Learning Renal Segmentation for Fully Automated Radiation Dose Estimation in Unsealed Source Therapy. <i>Frontiers in Oncology</i> , 2018 , 8, 215	5.3	51
321	Stereotactic ablative body radiotherapy for inoperable primary kidney cancer: a prospective clinical trial. <i>BJU International</i> , 2017 , 120, 623-630	5.6	50
320	Tomotherapy planning of small brain tumours. <i>Radiotherapy and Oncology</i> , 2005 , 74, 49-52	5.3	50
319	Optimization of helical tomotherapy treatment plans for prostate cancer. <i>Physics in Medicine and Biology</i> , 2003 , 48, 1933-43	3.8	50
318	A comparison of methods of cosmetic assessment in breast conservation treatment. <i>Breast</i> , 1996 , 5, 358-367	3.6	49
317	A prospective evaluation of helical tomotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 68, 632-41	4	46

316	TLD extrapolation for skin dose determination in vivo. <i>Radiotherapy and Oncology</i> , 1996 , 41, 119-23	5.3	46
315	Stereotactic ablative body radiation therapy for primary kidney cancer: a 3-dimensional conformal technique associated with low rates of early toxicity. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 90, 1061-8	4	45
314	Radiotherapy for Non-Small Cell Lung Cancer Induces DNA Damage Response in Both Irradiated and Out-of-field Normal Tissues. <i>Clinical Cancer Research</i> , 2016 , 22, 4817-4826	12.9	44
313	Feasibility study of online high-spatial-resolution MOSFET dosimetry in static and pulsed x-ray radiation fields. <i>IEEE Transactions on Nuclear Science</i> , 2001 , 48, 2061-2068	1.7	44
312	Dosimetry of 6-MV x-ray beam penumbra. <i>Medical Physics</i> , 1993 , 20, 1439-45	4.4	44
311	The effect of irregular breathing patterns on internal target volumes in four-dimensional CT and cone-beam CT images in the context of stereotactic lung radiotherapy. <i>Medical Physics</i> , 2013 , 40, 021904	4.4	43
310	Factors influencing the degree of erythematous skin reactions in humans. <i>Radiotherapy and Oncology</i> , 1995 , 36, 107-20	5.3	41
309	The impact of time between staging PET/CT and definitive chemo-radiation on target volumes and survival in patients with non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2013 , 106, 288-91	5.3	40
308	Simultaneous infield boost with helical tomotherapy for patients with 1 to 3 brain metastases. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2007 , 30, 38-44	2.7	40
307	Offline adaptive radiotherapy for bladder cancer using cone beam computed tomography. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2009 , 53, 226-33	1.7	39
306	Late toxicity and biochemical control in 554 prostate cancer patients treated with and without dose escalated image guided radiotherapy. <i>Radiotherapy and Oncology</i> , 2013 , 107, 140-6	5.3	38
305	Cancer risk after medical exposure to radioactive iodine in benign thyroid diseases: a meta-analysis. <i>Endocrine-Related Cancer</i> , 2012 , 19, 645-55	5.7	38
304	Impact of stereotactic radiotherapy on kidney function in primary renal cell carcinoma: Establishing a dose-response relationship. <i>Radiotherapy and Oncology</i> , 2016 , 118, 540-6	5.3	38
303	An analysis of respiratory induced kidney motion on four-dimensional computed tomography and its implications for stereotactic kidney radiotherapy. <i>Radiation Oncology</i> , 2013 , 8, 248	4.2	36
302	A Systematic Review on 3D-Printed Imaging and Dosimetry Phantoms in Radiation Therapy. <i>Technology in Cancer Research and Treatment</i> , 2019 , 18, 1533033819870208	2.7	35
301	Dosimetric intercomparison for two Australasian clinical trials using an anthropomorphic phantom. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002 , 52, 566-79	4	35
300	Additive manufacture of custom radiation dosimetry phantoms: An automated method compatible with commercial polymer 3D printers. <i>Materials and Design</i> , 2015 , 86, 487-499	8.1	34
299	The outcome of a multi-centre feasibility study of online adaptive radiotherapy for muscle-invasive bladder cancer TROG 10.01 BOLART. <i>Radiotherapy and Oncology</i> , 2014 , 111, 316-20	5.3	34

298	High-resolution imaging of pulmonary ventilation and perfusion with 68Ga-VQ respiratory gated (4-D) PET/CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014 , 41, 343-9	8.8	34
297	Development and evaluation of a training program for therapeutic radiographers as a basis for online adaptive radiation therapy for bladder carcinoma. <i>Radiography</i> , 2010 , 16, 14-20	2	34
296	A comparison of prostate IMRT and helical tomotherapy class solutions. <i>Radiotherapy and Oncology</i> , 2006 , 80, 374-7	5.3	34
295	Functional lung imaging in radiation therapy for lung cancer: A systematic review and meta-analysis. <i>Radiotherapy and Oncology</i> , 2018 , 129, 196-208	5.3	33
294	An in vivo investigative protocol for HDR prostate brachytherapy using urethral and rectal thermoluminescence dosimetry. <i>Radiotherapy and Oncology</i> , 2009 , 91, 243-8	5.3	32
293	MOSFET dosimetry of an X-ray microbeam. <i>IEEE Transactions on Nuclear Science</i> , 1999 , 46, 1774-1780	1.7	32
292	High dose-rate brachytherapy source localization: positional resolution using a diamond detector. <i>Physics in Medicine and Biology</i> , 2003 , 48, 2133-46	3.8	31
291	Multimodality guidance for accurate bronchoscopic insertion of fiducial markers. <i>Journal of Thoracic Oncology</i> , 2015 , 10, 324-30	8.9	30
290	Ventilation/Perfusion Positron Emission Tomography--Based Assessment of Radiation Injury to Lung. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 93, 408-17	4	30
289	A review of kidney motion under free, deep and forced-shallow breathing conditions: implications for stereotactic ablative body radiotherapy treatment. <i>Technology in Cancer Research and Treatment</i> , 2014 , 13, 315-23	2.7	30
288	Validation of a 4D-PET maximum intensity projection for delineation of an internal target volume. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 86, 749-54	4	29
287	Acute reaction parameters for human oropharyngeal mucosa. <i>Radiotherapy and Oncology</i> , 1995 , 35, 129-33	3.3	29
286	Variation of patient dose in head CT. <i>British Journal of Radiology</i> , 1998 , 71, 1296-301	3.4	29
285	Intrafraction bladder motion in radiation therapy estimated from pretreatment and posttreatment volumetric imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 86, 77-82	4	28
284	Remote auditing of radiotherapy facilities using optically stimulated luminescence dosimeters. <i>Medical Physics</i> , 2014 , 41, 032102	4.4	28
283	Small field segments surrounded by large areas only shielded by a multileaf collimator: comparison of experiments and dose calculation. <i>Medical Physics</i> , 2012 , 39, 7480-9	4.4	28
282	Magnetic resonance imaging for adaptive cobalt tomotherapy: A proposal. <i>Journal of Medical Physics</i> , 2006 , 31, 242-54	0.7	28
281	National dosimetric audit network finds discrepancies in AAA lung inhomogeneity corrections. <i>Physica Medica</i> , 2015 , 31, 435-41	2.7	27

280	Seminal vesicle intrafraction motion analysed with cinematic magnetic resonance imaging. <i>Radiation Oncology</i> , 2014 , 9, 174	4.2	27
279	Treatment-time-dependence models of early and delayed radiation injury in rat small intestine. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000 , 48, 871-87	4	27
278	Ga-68 MAA Perfusion 4D-PET/CT Scanning Allows for Functional Lung Avoidance Using Conformal Radiation Therapy Planning. <i>Technology in Cancer Research and Treatment</i> , 2016 , 15, 114-21	2.7	26
277	Clinical and Functional Assays of Radiosensitivity and Radiation-Induced Second Cancer. <i>Cancers</i> , 2017 , 9,	6.6	26
276	Geographic miss of lung tumours due to respiratory motion: a comparison of 3D vs 4D PET/CT defined target volumes. <i>Radiation Oncology</i> , 2014 , 9, 291	4.2	26
275	Seminal vesicle interfraction displacement and margins in image guided radiotherapy for prostate cancer. <i>Radiation Oncology</i> , 2012 , 7, 139	4.2	26
274	Edge-on face-to-face MOSFET for synchrotron microbeam dosimetry: MC modeling. <i>IEEE Transactions on Nuclear Science</i> , 2005 , 52, 2562-2569	1.7	26
273	A randomised phase II trial of Stereotactic Ablative Fractionated radiotherapy versus Radiosurgery for Oligometastatic Neoplasia to the lung (TROG 13.01 SAFRON II). <i>BMC Cancer</i> , 2016 , 16, 183	4.8	25
272	A dosimetric comparison of 3D conformal vs intensity modulated vs volumetric arc radiation therapy for muscle invasive bladder cancer. <i>Radiation Oncology</i> , 2012 , 7, 111	4.2	25
271	Thermoluminescence dosimetry for in-vivo verification of high dose rate brachytherapy for prostate cancer. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2007 , 30, 178-84	1.9	25
270	Evaluation of intra- and inter-fraction motion in breast radiotherapy using electronic portal cine imaging. <i>Technology in Cancer Research and Treatment</i> , 2004 , 3, 443-9	2.7	25
269	Angular dependence of the response of the nanoDot OSLD system for measurements at depth in clinical megavoltage beams. <i>Medical Physics</i> , 2014 , 41, 061712	4.4	24
268	Successful implementation of image-guided radiation therapy quality assurance in the Trans Tasman Radiation Oncology Group 08.01 PROFIT Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 81, 1576-81	4	24
267	Simple methods to reduce patient dose in a Varian cone beam CT system for delivery verification in pelvic radiotherapy. <i>British Journal of Radiology</i> , 2009 , 82, 855-9	3.4	24
266	Comprehensive Australasian multicentre dosimetric intercomparison: issues, logistics and recommendations. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2009 , 53, 119-31	1.7	24
265	Assessment of mucosal underdosing in larynx irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 1996 , 36, 181-7	4	24
264	Prospective Study of Serial Imaging Comparing Fluorodeoxyglucose Positron Emission Tomography (PET) and Fluorothymidine PET During Radical Chemoradiation for Non-Small Cell Lung Cancer: Reduction of Detectable Proliferation Associated With Worse Survival. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 99, 947-955	4	23
263	Comparison of Single-fraction and Multi-fraction Stereotactic Radiotherapy for Patients with 18F-fluorodeoxyglucose Positron Emission Tomography-staged Pulmonary Oligometastases. <i>Clinical Oncology</i> , 2015 , 27, 353-61	2.8	23

262	Credentialing of radiotherapy centres for a clinical trial of adaptive radiotherapy for bladder cancer (TROG 10.01). <i>Radiotherapy and Oncology</i> , 2012 , 103, 293-8	5.3	23
261	Calculating geometrical margins for hypofractionated radiotherapy. <i>Physics in Medicine and Biology</i> , 2013 , 58, 319-33	3.8	23
260	Motion effects on SUV and lesion volume in 3D and 4D PET scanning. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2011 , 34, 489-95	1.9	23
259	Assessment of out-of-field doses in radiotherapy of brain lesions in children. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 79, 927-33	4	23
258	Verification of target position in the post-prostatectomy cancer patient using cone beam CT. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2009 , 53, 212-20	1.7	23
257	An independent check of treatment plan, prescription and dose calculation as a QA procedure. <i>Radiotherapy and Oncology</i> , 1997 , 42, 297-301	5.3	23
256	Investigation of dose reduction in neonatal radiography using specially designed phantoms and LiF:Mg,Cu,P TLDs. <i>British Journal of Radiology</i> , 2003 , 76, 232-7	3.4	23
255	Measurements in radiotherapy beams using on-line MOSFET detectors. <i>Radiation Protection Dosimetry</i> , 2002 , 101, 445-8	0.9	23
254	Clinical thermoluminescence dosimetry: how do expectations and results compare?. <i>Radiotherapy and Oncology</i> , 1993 , 26, 151-61	5.3	23
253	A prospective observational study of Gallium-68 ventilation and perfusion PET/CT during and after radiotherapy in patients with non-small cell lung cancer. <i>BMC Cancer</i> , 2014 , 14, 740	4.8	22
252	Design, manufacture, and evaluation of an anthropomorphic pelvic phantom purpose-built for radiotherapy dosimetric intercomparison. <i>Medical Physics</i> , 2011 , 38, 5330-7	4.4	22
251	Real-time in vivo dosimetry with MOSFET detectors in serial tomotherapy for head and neck cancer patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 80, 1581-8	4	22
250	Dosimetric intercomparison for multicenter clinical trials using a patient-based anatomic pelvic phantom. <i>Medical Physics</i> , 2011 , 38, 5167-75	4.4	22
249	Dose distribution measurements in superficial x-ray beams using NMR dosimetry. <i>Physics in Medicine and Biology</i> , 1994 , 39, 1337-49	3.8	22
248	Short communication: timeline of radiation-induced kidney function loss after stereotactic ablative body radiotherapy of renal cell carcinoma as evaluated by serial (99m)Tc-DMSA SPECT/CT. <i>Radiation Oncology</i> , 2014 , 9, 253	4.2	21
247	Assessment of leakage doses around the treatment heads of different linear accelerators. <i>Radiation Protection Dosimetry</i> , 2012 , 152, 304-12	0.9	21
246	Bladder cancer radiotherapy margins: a comparison of daily alignment using skin, bone or soft tissue. <i>Clinical Oncology</i> , 2012 , 24, 673-81	2.8	21
245	Motion-induced dose artifacts in helical tomotherapy. <i>Physics in Medicine and Biology</i> , 2009 , 54, 5707-34	3.8	21

244	Plan of the day selection for online image-guided adaptive post-prostatectomy radiotherapy. <i>Radiotherapy and Oncology</i> , 2013 , 107, 165-70	5.3	20
243	A programmable motion phantom for quality assurance of motion management in radiotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2012 , 35, 93-100	1.9	20
242	Dosimetry for audit and clinical trials: challenges and requirements. <i>Journal of Physics: Conference Series</i> , 2013 , 444, 012014	0.3	20
241	Adaptive radiotherapy for bladder cancer reduces integral dose despite daily volumetric imaging. <i>Radiotherapy and Oncology</i> , 2010 , 97, 485-7	5.3	20
240	Comparison of CT on rails with electronic portal imaging for positioning of prostate cancer patients with implanted fiducial markers. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 74, 906-12	4	20
239	Interfraction prostate rotation determined from in-room computerized tomography images. <i>Medical Dosimetry</i> , 2011 , 36, 188-94	1.3	20
238	TROG 15.03 phase II clinical trial of Focal Ablative STereotactic Radiosurgery for Cancers of the Kidney - FASTRACK II. <i>BMC Cancer</i> , 2018 , 18, 1030	4.8	20
237	A novel high-resolution 2D silicon array detector for small field dosimetry with FFF photon beams. <i>Physica Medica</i> , 2018 , 45, 117-126	2.7	18
236	Thermoluminescence dosimetry for skin dose assessment during intraoperative radiotherapy for early breast cancer. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2010 , 33, 211-4	1.9	18
235	Additive manufacturing in radiation oncology: a review of clinical practice, emerging trends and research opportunities. <i>International Journal of Extreme Manufacturing</i> , 2020 , 2, 012003	7.9	17
234	Risk factors for radiotherapy incidents and impact of an online electronic reporting system. <i>Radiotherapy and Oncology</i> , 2014 , 112, 199-204	5.3	17
233	The utility of e-Learning to support training for a multicentre bladder online adaptive radiotherapy trial (TROG 10.01-BOLART). <i>Radiotherapy and Oncology</i> , 2013 , 109, 165-9	5.3	17
232	A 2D ion chamber array audit of wedged and asymmetric fields in an inhomogeneous lung phantom. <i>Medical Physics</i> , 2014 , 41, 101712	4.4	17
231	The Australian Clinical Dosimetry Service: a commentary on the first 18 months. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2012 , 35, 407-11	1.9	17
230	Junctioning of lateral and anterior fields in head and neck cancer: a dosimetric assessment of the monoisocentric technique (including reproducibility). <i>International Journal of Radiation Oncology Biology Physics</i> , 1998 , 41, 227-32	4	17
229	Clinical use of carbon-loaded thermoluminescent dosimeters for skin dose determination. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995 , 33, 943-50	4	17
228	The clinical significance and management of lesion motion due to respiration during PET/CT scanning. <i>Cancer Imaging</i> , 2011 , 11, 224-36	5.6	17
227	Accuracy and Utility of Deformable Image Registration in (68)Ga 4D PET/CT Assessment of Pulmonary Perfusion Changes During and After Lung Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 93, 196-204	4	16

226	Implementation of a lung radiosurgery program: technical considerations and quality assurance in an Australian institution. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2012 , 56, 354-61	1.7	16
225	Stereotactic fields shaped with a micro-multileaf collimator: systematic characterization of peripheral dose. <i>Physics in Medicine and Biology</i> , 2010 , 55, 873-81	3.8	16
224	Decision-making models in the analysis of portal films: a clinical pilot study. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2000 , 44, 72-83		16
223	Rectal filling at planning does not predict stability of the prostate gland during a course of radical radiotherapy if patients with large rectal filling are re-imaged. <i>Clinical Oncology</i> , 2009 , 21, 760-7	2.8	15
222	The penumbra of a 6-MV x-ray beam as measured by thermoluminescent dosimetry and evaluated using an inverse square root function. <i>Medical Physics</i> , 1993 , 20, 1429-38	4.4	15
221	A review of 3D printed patient specific immobilisation devices in radiotherapy. <i>Physics and Imaging in Radiation Oncology</i> , 2020 , 13, 30-35	3.1	14
220	CyberKnife fixed cone and Iris ² defined small radiation fields: Assessment with a high-resolution solid-state detector array. <i>Journal of Applied Clinical Medical Physics</i> , 2018 , 19, 547-557	2.3	14
219	A prospective investigation into the clinical impact of 4D-PET/CT in the characterisation of solitary pulmonary nodules. <i>Cancer Imaging</i> , 2014 , 14, 24	5.6	14
218	Vacuum immobilisation reduces tumour excursion and minimises intrafraction error in a cohort study of stereotactic ablative body radiotherapy for pulmonary metastases. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2014 , 58, 244-52	1.7	14
217	The detectability and localization accuracy of implanted fiducial markers determined on in-room computerized tomography (CT) and electronic portal images (EPI). <i>Medical Dosimetry</i> , 2008 , 33, 226-33	1.3	14
216	Credentialing of radiotherapy centres in Australasia for TROG 09.02 (Chisel), a Phase III clinical trial on stereotactic ablative body radiotherapy of early stage lung cancer. <i>British Journal of Radiology</i> , 2018 , 91, 20170737	3.4	13
215	Comparison of radiotherapy treatment plans for left-sided breast cancer patients based on three- and four-dimensional computed tomography imaging. <i>Clinical Oncology</i> , 2011 , 23, 601-7	2.8	13
214	The light sensitivity of thermoluminescent materials: LiF:Mg,Cu,P, LiF:Mg,Ti and Al ₂ O ₃ :C. <i>Radiation Measurements</i> , 2000 , 32, 335-342	1.5	13
213	High dose behind inhomogeneities during medium-energy x-ray irradiation. <i>Physics in Medicine and Biology</i> , 1998 , 43, 1343-50	3.8	13
212	Skin exit dose in megavoltage x-ray beams determined by means of a plane parallel ionization chamber (Attix chamber). <i>Medical Physics</i> , 1995 , 22, 577-8	4.4	13
211	Thermoluminescence dosimetry of therapeutic X-rays with LiF ribbons and rods. <i>Physics in Medicine and Biology</i> , 1993 , 38, 833-845	3.8	13
210	Artifacts in chemical shift selective imaging. <i>Magnetic Resonance Imaging</i> , 1992 , 10, 695-8	3.3	13
209	Comment on "it is not appropriate to 'deform' dose along with deformable image registration in adaptive radiotherapy" [Med. Phys. 39, 6531-6533 (2012)]. <i>Medical Physics</i> , 2013 , 40, 017101	4.4	12

208	Does inverse-planned intensity-modulated radiation therapy have a role in the treatment of patients with left-sided breast cancer?. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2011 , 55, 311-9	1.7	12
207	Response of human hair cortical cells to fractionated radiotherapy. <i>Radiotherapy and Oncology</i> , 1997 , 43, 289-92	5.3	12
206	Surface dose measurements for highly oblique electron beams. <i>Medical Physics</i> , 1996 , 23, 1413-20	4.4	12
205	The use of dual vacuum stabilization device to reduce kidney motion for stereotactic radiotherapy planning. <i>Technology in Cancer Research and Treatment</i> , 2015 , 14, 149-57	2.7	11
204	Trans Tasman Radiation Oncology Group: Development of the Assessment of New Radiation Oncology Technology and Treatments (ANROTAT) Framework. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2015 , 59, 363-70	1.7	11
203	Respiratory-gated (4D) FDG-PET detects tumour and normal lung response after stereotactic radiotherapy for pulmonary metastases. <i>Acta Oncologica</i> , 2015 , 54, 1105-12	3.2	11
202	A randomised study of a diet intervention to maintain consistent rectal volume for patients receiving radical radiotherapy to the prostate. <i>Acta Oncologica</i> , 2014 , 53, 569-71	3.2	11
201	Australasian brachytherapy audit: results of the 'end-to-end' dosimetry pilot study. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2013 , 57, 490-8	1.7	11
200	A Pilot Study of Automatic Lung Tumor Segmentation from Positron Emission Tomography Images using Standard Uptake Values 2007 ,		11
199	Comparative planning evaluation of intensity-modulated radiotherapy techniques for complex lung cancer cases. <i>Radiotherapy and Oncology</i> , 2006 , 78, 169-76	5.3	11
198	Investigation of dose homogeneity for loose helical tomotherapy delivery in the context of breath-hold radiation therapy. <i>Physics in Medicine and Biology</i> , 2005 , 50, 2387-404	3.8	11
197	Extinction of the weakest. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001 , 51, 807-19	4	11
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