# Tomas Kron

List of Publications by Year
in descending order



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|---|---|---|---|
| 388 papers | 8,352 citations | 46918 47 h-index | 91712 69 g-index |
| 395 all docs | 395 docs citations | 395 times ranked | 6826 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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. Lancet Oncology, The, 2019, 20, 494-503. | 5.1 | 386 |
| 2 | Stereotactic Abative Body Radiotherapy (SABR) for Oligometastatic Prostate Cancer: A Prospective Clinical Trial. European Urology, 2018, 74, 455-462. | 0.9 | 250 |
| 3 | 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. Annals of Surgical Oncology, 2017, 24, 2252-2258. | 0.7 | 186 |
| 4 | Dose resolution in radiotherapy polymer gel dosimetry: effect of echo spacing in MRI pulse sequence. Physics in Medicine and Biology, 2001, 46, 449-460. | 1.6 | 172 |
| 5 | Dose response of various radiation detectors to synchrotron radiation. Physics in Medicine and Biology, 1998, 43, 3235-3259. | 1.6 | 127 |
| 6 | Online Adaptive Radiotherapy for Muscle-Invasive Bladder Cancer: Results of a Pilot Study. International Journal of Radiation Oncology Biology Physics, 2011, 81, 765-771. | 0.4 | 108 |
| 7 | Imaging Cellular Proliferation During Chemo-Radiotherapy: A Pilot Study of Serial 18F-FLT Positron Emission Tomography/Computed Tomography Imaging for Nonâ€“Small-Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2009, 75, 1098-1104. | 0.4 | 96 |
| 8 | Fast T1 imaging of dual gel samples for diffusion measurements in NMR dosimetry gels. Magnetic Resonance Imaging, 1997, 15, 211-221. | 1.0 | 91 |
| 9 | A Systematic Review on 3D-Printed Imaging and Dosimetry Phantoms in Radiation Therapy. Technology in Cancer Research and Treatment, 2019, 18, 153303381987020. | 0.8 | 90 |
| 10 | Variations in dose response with x-ray energy of LiF:Mg,Cu,P thermoluminescence dosimeters: implications for clinical dosimetry. Physics in Medicine and Biology, 2004, 49, 3831-3845. | 1.6 | 86 |
| 11 | Stereotactic ablative body radiotherapy for inoperable primary kidney cancer: a prospective clinical trial. BJU International, 2017, 120, 623-630. | 1.3 | 85 |
| 12 | Deep Learning Renal Segmentation for Fully Automated Radiation Dose Estimation in Unsealed Source Therapy. Frontiers in Oncology, 2018, 8, 215. | 1.3 | 85 |
| 13 | High-resolution pulmonary ventilation and perfusion PET/CT allows for functionally adapted intensity modulated radiotherapy in lung cancer. Radiotherapy and Oncology, 2015, 115, 157-162. | 0.3 | 83 |
| 14 | Dosimetry of ionising radiation in modern radiation oncology. Physics in Medicine and Biology, 2016, 61, R167-R205. | 1.6 | 82 |
| 15 | A Pattern of Early Radiation-Induced Inflammatory Cytokine Expression Is Associated with Lung Toxicity in Patients with Non-Small Cell Lung Cancer. PLoS ONE, 2014, 9, e109560. | 1.1 | 81 |
| 16 | X-ray surface dose measurements using TLD extrapolation. Medical Physics, 1993, 20, 703-711. | 1.6 | 79 |
| 17 | Is it sensible to â€œdeformâ€•dose? 3D experimental validation of doseâ€•warping. Medical Physics, 2012, 39, 5065-5072. | 1.6 | 77 |
| 18 | Differential <sup>18</sup>F-FDG and <sup>18</sup>F-FLT Uptake on Serial PET/CT Imaging Before and During Definitive Chemoradiation for Nonâ€“Small Cell Lung Cancer. Journal of Nuclear Medicine, 2014, 55, 1069-1074. | 2.8 | 76 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Intra-fraction prostate displacement in radiotherapy estimated from pre- and post-treatment imaging of patients with implanted fiducial markers. Radiotherapy and Oncology, 2010, 95, 191-197. | 0.3 | 75 |
| 20 | Acute toxicity in prostate cancer patients treated with and without image-guided radiotherapy. Radiation Oncology, 2011, 6, 145. | 1.2 | 73 |
| 21 | Helical tomotherapy for craniospinal radiation. British Journal of Radiology, 2005, 78, 548-552. | 1.0 | 70 |
| 22 | A novel methodology for 3D deformable dosimetry. Medical Physics, 2012, 39, 2203-2213. | 1.6 | 69 |
| 23 | Commissioning of optically stimulated luminescence dosimeters for use in radiotherapy. Radiation Measurements, 2013, 51-52, 31-39. | 0.7 | 69 |
| 24 | High rates of tumor growth and disease progression detected on serial pretreatment fluorodeoxyglucoseâ€positron emission tomography/computed tomography scans in radical radiotherapy candidates with nonsmall cell lung cancer. Cancer, 2010, 116, 5030-5037. | 2.0 | 67 |
| 25 | An automated voxelized dosimetry tool for radionuclide therapy based on serial quantitative SPECT/CT imaging. Medical Physics, 2013, 40, 112503. | 1.6 | 66 |
| 26 | Underprediction of human skin erythema at low doses per fraction by the linear quadratic model. Radiotherapy and Oncology, 1996, 40, 23-30. | 0.3 | 65 |
| 27 | Planning evaluation of radiotherapy for complex lung cancer cases using helical tomotherapy. Physics in Medicine and Biology, 2004, 49, 3675-3690. | 1.6 | 64 |
| 28 | Investigation of the tissue equivalence of gells used for NMR dosimetry. Physics in Medicine and Biology, 1993, 38, 139-150. | 1.6 | 63 |
| 29 | Uncertainty analysis in polymer gel dosimetry. Physics in Medicine and Biology, 1999, 44, N243-N246. | 1.6 | 63 |
| 30 | Consideration of the radiation dose delivered away from the treatment field to patients in radiotherapy. Journal of Medical Physics, 2011, 36, 59. | 0.1 | 63 |
| 31 | A comparison of methods of cosmetic assessment in breast conservation treatment. Breast, 1996, 5, 358-367. | 0.9 | 60 |
| 32 | Performance of 12 DIR algorithms in lowâ€contrast regions for mass and density conserving deformation. Medical Physics, 2013, 40, 101701. | 1.6 | 60 |
| 33 | Impact of stereotactic radiotherapy on kidney function in primary renal cell carcinoma: Establishing a doseâ€“response relationship. Radiotherapy and Oncology, 2016, 118, 540-546. | 0.3 | 60 |
| 34 | Tomotherapy planning of small brain tumours. Radiotherapy and Oncology, 2005, 74, 49-52. | 0.3 | 59 |
| 35 | A contemporary review of stereotactic radiotherapy: Inherent dosimetric complexities and the potential for detriment. Acta OncolÃ³gica, 2011, 50, 483-508. | 0.8 | 58 |
| 36 | Stereotactic Ablative Body Radiation Therapy forÂPrimary Kidney Cancer: A 3-Dimensional Conformal Technique Associated With Low Rates of Early Toxicity. International Journal of Radiation Oncology Biology Physics, 2014, 90, 1061-1068. | 0.4 | 58 |

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|---|---|---|---|
| 37 | Radiotherapy for Nonâ€“Small Cell Lung Cancer Induces DNA Damage Response in Both Irradiated and Out-of-field Normal Tissues. Clinical Cancer Research, 2016, 22, 4817-4826. | 3.2 | 57 |
| 38 | 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. Medical Physics, 2013, 40, 021904. | 1.6 | 55 |
| 39 | Radiation therapy quality assurance in clinical trials â€“ Global harmonisation group. Radiotherapy and Oncology, 2014, 111, 327-329. | 0.3 | 55 |
| 40 | Optimization of helical tomotherapy treatment plans for prostate cancer. Physics in Medicine and Biology, 2003, 48, 1933-1943. | 1.6 | 54 |
| 41 | TLD extrapolation for skin dose determination in vivo. Radiotherapy and Oncology, 1996, 41, 119-123. | 0.3 | 53 |
| 42 | Functional lung imaging in radiation therapy for lung cancer: A systematic review and meta-analysis. Radiotherapy and Oncology, 2018, 129, 196-208. | 0.3 | 53 |
| 43 | Dosimetry of 6-MV x-ray beam penumbra. Medical Physics, 1993, 20, 1439-1445. | 1.6 | 52 |
| 44 | Late toxicity and biochemical control in 554 prostate cancer patients treated with and without dose escalated image guided radiotherapy. Radiotherapy and Oncology, 2013, 107, 140-146. | 0.3 | 52 |
| 45 | A Prospective Evaluation of Helical Tomotherapy. International Journal of Radiation Oncology Biology Physics, 2007, 68, 632-641. | 0.4 | 51 |
| 46 | Feasibility study of online high-spatial-resolution MOSFET dosimetry in static and pulsed x-ray radiation fields. IEEE Transactions on Nuclear Science, 2001, 48, 2061-2068. | 1.2 | 50 |
| 47 | TROG 15.03 phase II clinical trial of Focal Ablative STereotactic Radiosurgery for Cancers of the Kidney - FASTRACK II. BMC Cancer, 2018, 18, 1030. | 1.1 | 50 |
| 48 | Single-Fraction vs Multifraction Stereotactic Ablative Body Radiotherapy for Pulmonary Oligometastases (SAFRON II). JAMA Oncology, 2021, 7, 1476. | 3.4 | 50 |
| 49 | Offline adaptive radiotherapy for bladder cancer using cone beam computed tomography. Journal of Medical Imaging and Radiation Oncology, 2009, 53, 226-233. | 0.9 | 49 |
| 50 | 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. Radiotherapy and Oncology, 2013, 106, 288-291. | 0.3 | 49 |
| 51 | Additive manufacture of custom radiation dosimetry phantoms: An automated method compatible with commercial polymer 3D printers. Materials and Design, 2015, 86, 487-499. | 3.3 | 48 |
| 52 | Factors influencing the degree of erythematous skin reactions in humans. Radiotherapy and Oncology, 1995, 36, 107-120. | 0.3 | 46 |
| 53 | Additive manufacturing in radiation oncology: a review of clinical practice, emerging trends and research opportunities. International Journal of Extreme Manufacturing, 2020, 2, 012003. | 6.3 | 45 |
| 54 | Cancer risk after medical exposure to radioactive iodine in benign thyroid diseases: a meta-analysis. Endocrine-Related Cancer, 2012, 19, 645-655. | 1.6 | 44 |

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|---|---|---|---|
| 55 | An analysis of respiratory induced kidney motion on four-dimensional computed tomography and its implications for stereotactic kidney radiotherapy. Radiation Oncology, 2013, 8, 248. | 1.2 | 43 |
| 56 | High-resolution imaging of pulmonary ventilation and perfusion with 68Ga-VQ respiratory gated (4-D) PET/CT. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 343-349. | 3.3 | 43 |
| 57 | The outcome of a multi-centre feasibility study of online adaptive radiotherapy for muscle-invasive bladder cancer TROG 10.01 BOLART. Radiotherapy and Oncology, 2014, 111, 316-320. | 0.3 | 42 |
| 58 | Dosimetric intercomparison for two Australasian clinical trials using an anthropomorphic phantom. International Journal of Radiation Oncology Biology Physics, 2002, 52, 566-579. | 0.4 | 41 |
| 59 | Simultaneous Infield Boost With Helical Tomotherapy for Patients With 1 to 3 Brain Metastases. American Journal of Clinical Oncology: Cancer Clinical Trials, 2007, 30, 38-44. | 0.6 | 41 |
| 60 | Ventilation/Perfusion Positron Emission Tomographyâ€"Based Assessment of Radiation Injury to Lung. International Journal of Radiation Oncology Biology Physics, 2015, 93, 408-417. | 0.4 | 41 |
| 61 | Clinical and Functional Assays of Radiosensitivity and Radiation-Induced Second Cancer. Cancers, 2017, 9, 147. | 1.7 | 41 |
| 62 | Development and evaluation of a training program for therapeutic radiographers as a basis for online adaptive radiation therapy for bladder carcinoma. Radiography, 2010, 16, 14-20. | 1.1 | 38 |
| 63 | Multimodality Guidance for Accurate Bronchoscopic Insertion of Fiducial Markers. Journal of Thoracic Oncology, 2015, 10, 324-330. | 0.5 | 38 |
| 64 | A comparison of prostate IMRT and helical tomotherapy class solutions. Radiotherapy and Oncology, 2006, 80, 374-377. | 0.3 | 37 |
| 65 | A Review of Kidney Motion under Free, Deep and Forced-Shallow Breathing Conditions: Implications for Stereotactic Ablative Body Radiotherapy Treatment. Technology in Cancer Research and Treatment, 2014, 13, 315-323. | 0.8 | 37 |
| 66 | A systematic review and meta-analysis of the prognostic value of radiomics based models in non-small cell lung cancer treated with curative radiotherapy. Radiotherapy and Oncology, 2021, 155, 188-203. | 0.3 | 37 |
| 67 | Validation of a 4D-PET Maximum Intensity Projection for Delineation of an Internal Target Volume. International Journal of Radiation Oncology Biology Physics, 2013, 86, 749-754. | 0.4 | 36 |
| 68 | Remote auditing of radiotherapy facilities using optically stimulated luminescence dosimeters. Medical Physics, 2014, 41, 032102. | 1.6 | 36 |
| 69 | National dosimetric audit network finds discrepancies in AAA lung inhomogeneity corrections. Physica Medica, 2015, 31, 435-441. | 0.4 | 36 |
| 70 | A review of 3D printed patient specific immobilisation devices in radiotherapy. Physics and Imaging in Radiation Oncology, 2020, 13, 30-35. | 1.2 | 36 |
| 71 | MOSFET dosimetry of an X-ray microbeam. IEEE Transactions on Nuclear Science, 1999, 46, 1774-1780. | 1.2 | 35 |
| 72 | High dose-rate brachytherapy source localization: positional resolution using a diamond detector. Physics in Medicine and Biology, 2003, 48, 2133-2146. | 1.6 | 35 |

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|---|---|---|---|
| 73 | An in vivo investigative protocol for HDR prostate brachytherapy using urethral and rectal thermoluminescence dosimetry. Radiotherapy and Oncology, 2009, 91, 243-248. | 0.3 | 35 |
| 74 | Seminal vesicle interfraction displacement and margins in image guided radiotherapy for prostate cancer. Radiation Oncology, 2012, 7, 139. | 1.2 | 35 |
| 75 | A dosimetric comparison of 3D conformal vs intensity modulated vs volumetric arc radiation therapy for muscle invasive bladder cancer. Radiation Oncology, 2012, 7, 111. | 1.2 | 35 |
| 76 | Seminal vesicle intrafraction motion analysed with cinematic magnetic resonance imaging. Radiation Oncology, 2014, 9, 174. | 1.2 | 35 |
| 77 | Intrafraction Bladder Motion in Radiation Therapy Estimated From Pretreatment and Posttreatment Volumetric Imaging. International Journal of Radiation Oncology Biology Physics, 2013, 86, 77-82. | 0.4 | 34 |
| 78 | Calculating geometrical margins for hypofractionated radiotherapy. Physics in Medicine and Biology, 2013, 58, 319-333. | 1.6 | 34 |
| 79 | Geographic miss of lung tumours due to respiratory motion: a comparison of 3D vs 4D PET/CT defined target volumes. Radiation Oncology, 2014, 9, 291. | 1.2 | 34 |
| 80 | A randomised phase II trial of Stereotactic Ablative Fractionated radiotherapy versus Radiosurgery for Oligometastatic Neoplasia to the lung (TROG 13.01 SAFRON II). BMC Cancer, 2016, 16, 183. | 1.1 | 34 |
| 81 | Comparison of Single-fraction and Multi-fraction Stereotactic Radiotherapy for Patients with 18F-fluorodeoxyglucose Positron Emission Tomography-staged Pulmonary Oligometastases. Clinical Oncology, 2015, 27, 353-361. | 0.6 | 33 |
| 82 | Ga-68 MAA Perfusion 4D-PET/CT Scanning Allows for Functional Lung Avoidance Using Conformal Radiation Therapy Planning. Technology in Cancer Research and Treatment, 2016, 15, 114-121. | 0.8 | 33 |
| 83 | Magnetic resonance imaging for adaptive cobalt tomotherapy: A proposal. Journal of Medical Physics, 2006, 31, 242. | 0.1 | 33 |
| 84 | Acute reaction parameters for human oropharyngeal mucosa. Radiotherapy and Oncology, 1995, 35, 129-137. | 0.3 | 32 |
| 85 | Small field segments surrounded by large areas only shielded by a multileaf collimator: Comparison of experiments and dose calculation. Medical Physics, 2012, 39, 7480-7489. | 1.6 | 32 |
| 86 | Angular dependence of the response of the nanoDot OSLD system for measurements at depth in clinical megavoltage beams. Medical Physics, 2014, 41, 061712. | 1.6 | 32 |
| 87 | Adaptive radiotherapy for bladder cancer reduces integral dose despite daily volumetric imaging. Radiotherapy and Oncology, 2010, 97, 485-487. | 0.3 | 31 |
| 88 | Variation of patient dose in head CT.. British Journal of Radiology, 1998, 71, 1296-1301. | 1.0 | 31 |
| 89 | Treatment-time-dependence models of early and delayed radiation injury in rat small intestine. International Journal of Radiation Oncology Biology Physics, 2000, 48, 871-887. | 0.4 | 30 |
| 90 | Thermoluminescence dosimetry for in-vivo verification of high dose rate brachytherapy for prostate cancer. Australasian Physical and Engineering Sciences in Medicine, 2007, 30, 178-184. | 1.4 | 30 |

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|---|---|---|---|
| 91 | Motion effects on SUV and lesion volume in 3D and 4D PET scanning. Australasian Physical and Engineering Sciences in Medicine, 2011, 34, 489-495. | 1.4 | 30 |
| 92 | 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. International Journal of Radiation Oncology Biology Physics, 2017, 99, 947-955. | 0.4 | 30 |
| 93 | Evaluation of Intra- and Inter-fraction Motion in Breast Radiotherapy Using Electronic Portal Cine Imaging. Technology in Cancer Research and Treatment, 2004, 3, 443-449. | 0.8 | 29 |
| 94 | Simple methods to reduce patient dose in a Varian cone beam CT system for delivery verification in pelvic radiotherapy. British Journal of Radiology, 2009, 82, 855-859. | 1.0 | 29 |
| 95 | Verification of target position in the postâ€prostatectomy cancer patient using cone beam CT. Journal of Medical Imaging and Radiation Oncology, 2009, 53, 212-220. | 0.9 | 29 |
| 96 | Interfraction Prostate Rotation Determined from In-Room Computerized Tomography Images. Medical Dosimetry, 2011, 36, 188-194. | 0.4 | 29 |
| 97 | Credentialing of radiotherapy centres for a clinical trial of adaptive radiotherapy for bladder cancer (TROG 10.01). Radiotherapy and Oncology, 2012, 103, 293-298. | 0.3 | 29 |
| 98 | Edge-on face-to-face MOSFET for synchrotron microbeam dosimetry: MC modeling. IEEE Transactions on Nuclear Science, 2005, 52, 2562-2569. | 1.2 | 28 |
| 99 | Dosimetry for audit and clinical trials: challenges and requirements. Journal of Physics: Conference Series, 2013, 444, 012014. | 0.3 | 28 |
| 100 | Assessment of mucosal underdosing in larynx irradiation. International Journal of Radiation Oncology Biology Physics, 1996, 36, 181-187. | 0.4 | 27 |
| 101 | Comprehensive Australasian multicentre dosimetric intercomparison: Issues, logistics and recommendations. Journal of Medical Imaging and Radiation Oncology, 2009, 53, 119-131. | 0.9 | 27 |
| 102 | Design, manufacture, and evaluation of an anthropomorphic pelvic phantom purpose-built for radiotherapy dosimetric intercomparison. Medical Physics, 2011, 38, 5330-5337. | 1.6 | 27 |
| 103 | Bladder Cancer Radiotherapy Margins: A Comparison of Daily Alignment using Skin, Bone or Soft Tissue. Clinical Oncology, 2012, 24, 673-681. | 0.6 | 27 |
| 104 | Investigation of dose reduction in neonatal radiography using specially designed phantoms and LiF:Mg,Cu,P TLDs. British Journal of Radiology, 2003, 76, 232-237. | 1.0 | 26 |
| 105 | Plan of the day selection for online image-guided adaptive post-prostatectomy radiotherapy. Radiotherapy and Oncology, 2013, 107, 165-170. | 0.3 | 26 |
| 106 | Short communication: timeline of radiation-induced kidney function loss after stereotactic ablative body radiotherapy of renal cell carcinoma as evaluated by serial 99mTc-DMSA SPECT/CT. Radiation Oncology, 2014, 9, 253. | 1.2 | 26 |
| 107 | A prospective observational study of Gallium-68 ventilation and perfusion PET/CT during and after radiotherapy in patients with non-small cell lung cancer. BMC Cancer, 2014, 14, 740. | 1.1 | 26 |
| 108 | Clinical thermoluminescence dosimetry: how do expectations and results compare?. Radiotherapy and Oncology, 1993, 26, 151-161. | 0.3 | 25 |

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|---|---|---|---|
| 109 | An independent check of treatment plan, prescription and dose calculation as a QA procedure. Radiotherapy and Oncology, 1997, 42, 297-301. | 0.3 | 25 |
| 110 | Measurements in Radiotherapy Beams using On-line MOSFET Detectors. Radiation Protection Dosimetry, 2002, 101, 445-448. | 0.4 | 25 |
| 111 | Successful Implementation of Image-Guided Radiation Therapy Quality Assurance in the Trans Tasman Radiation Oncology Group 08.01 PROFIT Study. International Journal of Radiation Oncology Biology Physics, 2011, 81, 1576-1581. | 0.4 | 25 |
| 112 | Assessment of Out-of-Field Doses in Radiotherapy of Brain Lesions in Children. International Journal of Radiation Oncology Biology Physics, 2011, 79, 927-933. | 0.4 | 25 |
| 113 | Real-Time In Vivo Dosimetry With MOSFET Detectors in Serial Tomotherapy for Head and Neck Cancer Patients. International Journal of Radiation Oncology Biology Physics, 2011, 80, 1581-1588. | 0.4 | 25 |
| 114 | Radiomics feature stability of open-source software evaluated on apparent diffusion coefficient maps in head and neck cancer. Scientific Reports, 2021, 11, 17633. | 1.6 | 25 |
| 115 | Motion-induced dose artifacts in helical tomotherapy. Physics in Medicine and Biology, 2009, 54, 5707-5734. | 1.6 | 24 |
| 116 | A programmable motion phantom for quality assurance of motion management in radiotherapy. Australasian Physical and Engineering Sciences in Medicine, 2012, 35, 93-100. | 1.4 | 24 |
| 117 | A novel high-resolution 2D silicon array detector for small field dosimetry with FFF photon beams. Physica Medica, 2018, 45, 117-126. | 0.4 | 24 |
| 118 | The clinical significance and management of lesion motion due to respiration during PET/CT scanning. Cancer Imaging, 2011, 11, 224-36. | 1.2 | 24 |
| 119 | Thermoluminescence dosimetry for skin dose assessment during intraoperative radiotherapy for early breast cancer. Australasian Physical and Engineering Sciences in Medicine, 2010, 33, 211-214. | 1.4 | 23 |
| 120 | Dosimetric intercomparison for multicenter clinical trials using a patientâ€based anatomic pelvic phantom. Medical Physics, 2011, 38, 5167-5175. | 1.6 | 23 |
| 121 | Assessment of leakage doses around the treatment heads of different linear accelerators. Radiation Protection Dosimetry, 2012, 152, 304-312. | 0.4 | 23 |
| 122 | The interlace deposition method of bone equivalent material extrusion 3D printing for imaging in radiotherapy. Materials and Design, 2021, 199, 109439. | 3.3 | 23 |
| 123 | Dose distribution measurements in superficial X-ray beams using NMR dosimetry. Physics in Medicine and Biology, 1994, 39, 1337-1349. | 1.6 | 22 |
| 124 | CyberKnife<sup>Â®</sup> fixed cone and Irisâ„¢ defined small radiation fields: Assessment with a highâ€resolution solidâ€state detector array. Journal of Applied Clinical Medical Physics, 2018, 19, 547-557. | 0.8 | 22 |
| 125 | Comparison of CT on Rails With Electronic Portal Imaging for Positioning of Prostate Cancer Patients With Implanted Fiducial Markers. International Journal of Radiation Oncology Biology Physics, 2009, 74, 906-912. | 0.4 | 21 |
| 126 | Risk factors for radiotherapy incidents and impact of an online electronic reporting system. Radiotherapy and Oncology, 2014, 112, 199-204. | 0.3 | 21 |

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|---|---|---|---|
| 127 | Accuracy and Utility of Deformable Image Registration in 68Ga 4D PET/CT Assessment of Pulmonary Perfusion Changes During and After Lung Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2015, 93, 196-204. | 0.4 | 21 |
| 128 | Dosimetric end-to-end tests in a national audit of 3D conformal radiotherapy. Physics and Imaging in Radiation Oncology, 2018, 6, 5-11. | 1.2 | 21 |
| 129 | Gyroid structures for 3D-printed heterogeneous radiotherapy phantoms. Physics in Medicine and Biology, 2019, 64, 21NT05. | 1.6 | 21 |
| 130 | Development of a multicentre automated model to reduce planning variability in radiotherapy of prostate cancer. Physics and Imaging in Radiation Oncology, 2019, 11, 34-40. | 1.2 | 21 |
| 131 | Report dose-to-medium in clinical trials where available; a consensus from the Global Harmonisation Group to maximize consistency. Radiotherapy and Oncology, 2021, 159, 106-111. | 0.3 | 21 |
| 132 | The Australian Clinical Dosimetry Service: a commentary on the first 18Âmonths. Australasian Physical and Engineering Sciences in Medicine, 2012, 35, 407-411. | 1.4 | 20 |
| 133 | Junctioning of Lateral and Anterior Fields in Head and Neck Cancer: A Dosimetric Assessment of the Monoisocentric Technique (Including Reproducibility). International Journal of Radiation Oncology Biology Physics, 1998, 41, 227-232. | 0.4 | 19 |
| 134 | Decision-making models in the analysis of portal films: A clinical pilot study. Journal of Medical Imaging and Radiation Oncology, 2000, 44, 72-83. | 0.6 | 19 |
| 135 | Stereotactic fields shaped with a micro-multileaf collimator: systematic characterization of peripheral dose. Physics in Medicine and Biology, 2010, 55, 873-881. | 1.6 | 19 |
| 136 | A 2D ion chamber array audit of wedged and asymmetric fields in an inhomogeneous lung phantom. Medical Physics, 2014, 41, 101712. | 1.6 | 19 |
| 137 | The light sensitivity of thermoluminescent materials: LiF:Mg,Cu,P, LiF:Mg,Ti and Al2O3:C. Radiation Measurements, 2000, 32, 335-342. | 0.7 | 18 |
| 138 | Comparison of Radiotherapy Treatment Plans for Left-sided Breast Cancer Patients based on Three- and Four-dimensional Computed Tomography Imaging. Clinical Oncology, 2011, 23, 601-607. | 0.6 | 18 |
| 139 | Vacuum immobilisation reduces tumour excursion and minimises intrafraction error in a cohort study of stereotactic ablative body radiotherapy for pulmonary metastases. Journal of Medical Imaging and Radiation Oncology, 2014, 58, 244-252. | 0.9 | 18 |
| 140 | Upright Radiation Therapyâ€"A Historical Reflection and Opportunities for Future Applications. Frontiers in Oncology, 2020, 10, 213. | 1.3 | 18 |
| 141 | Clinical use of carbon-loaded thermoluminescent dosimeters for skin dose determination. International Journal of Radiation Oncology Biology Physics, 1995, 33, 943-950. | 0.4 | 17 |
| 142 | The utility of e-Learning to support training for a multicentre bladder online adaptive radiotherapy trial (TROG 10.01-BOLART). Radiotherapy and Oncology, 2013, 109, 165-169. | 0.3 | 17 |
| 143 | An image segmentation framework for extracting tumors from breast magnetic resonance images. Journal of Innovative Optical Health Sciences, 2018, 11, . | 0.5 | 17 |
| 144 | A retrospective analysis of setup and intrafraction positional variation in stereotactic radiotherapy treatments. Journal of Applied Clinical Medical Physics, 2020, 21, 109-119. | 0.8 | 17 |

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|---|---|---|---|
| 145 | Safety, Efficacy, and Patterns of Failure After Single-Fraction Stereotactic Body Radiation Therapy (SBRT) for Oligometastases. International Journal of Radiation Oncology Biology Physics, 2021, 109, 756-763. | 0.4 | 17 |
| 146 | Cascaded deep learningâ€based autoâ€segmentation for head and neck cancer patients: Organs at risk on T2â€weighted magnetic resonance imaging. Medical Physics, 2021, 48, 7757-7772. | 1.6 | 17 |
| 147 | Stable isotopes for determining biokinetic parameters of tellurium in rabbits. Analytical Chemistry, 1991, 63, 2603-2607. | 3.2 | 16 |
| 148 | The penumbra of a 6-MV x-ray beam as measured by thermoluminescent dosimetry and evaluated using an inverse square root function. Medical Physics, 1993, 20, 1429-1438. | 1.6 | 16 |
| 149 | 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. Clinical Oncology, 2009, 21, 760-767. | 0.6 | 16 |
| 150 | Implementation of a lung radiosurgery program: Technical considerations and quality assurance in an Australian institution. Journal of Medical Imaging and Radiation Oncology, 2012, 56, 354-361. | 0.9 | 16 |
| 151 | A randomised study of a diet intervention to maintain consistent rectal volume for patients receiving radical radiotherapy to the prostate. Acta OncolÃ³gica, 2014, 53, 569-571. | 0.8 | 16 |
| 152 | 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. British Journal of Radiology, 2018, 91, 20170737. | 1.0 | 16 |
| 153 | Protocol for tumour-focused dose-escalated adaptive radiotherapy for the radical treatment of bladder cancer in a multicentre phase II randomised controlled trial (RAIDER): radiotherapy planning and delivery guidance. BMJ Open, 2020, 10, e041005. | 0.8 | 16 |
| 154 | A Pilot Study of Automatic Lung Tumor Segmentation from Positron Emission Tomography Images using Standard Uptake Values. , 2007, , . | | 15 |
| 155 | The Detectability and Localization Accuracy of Implanted Fiducial Markers Determined on In-Room Computerized Tomography (CT) and Electronic Portal Images (EPI). Medical Dosimetry, 2008, 33, 226-233. | 0.4 | 15 |
| 156 | Does inverse-planned intensity-modulated radiation therapy have a role in the treatment of patients with left-sided breast cancer?. Journal of Medical Imaging and Radiation Oncology, 2011, 55, 311-319. | 0.9 | 15 |
| 157 | The Use of Dual Vacuum Stabilization Device to Reduce Kidney Motion for Stereotactic Radiotherapy Planning. Technology in Cancer Research and Treatment, 2015, 14, 149-157. | 0.8 | 15 |
| 158 | Diffusion weighted and dynamic contrast enhanced MRI as an imaging biomarker for stereotactic ablative body radiotherapy (SABR) of primary renal cell carcinoma. PLoS ONE, 2018, 13, e0202387. | 1.1 | 15 |
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