

Wolfgang A Tome

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234
papers

9,790
citations

50
h-index

94
g-index

243
ext. papers

11,422
ext. citations

2.4
avg, IF

6.49
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 234 | Stereotactic body radiation therapy: the report of AAPM Task Group 101. <i>Medical Physics</i> , 2010 , 37, 4078-4101 | 4.1 | 1177 |
| 233 | Preservation of memory with conformal avoidance of the hippocampal neural stem-cell compartment during whole-brain radiotherapy for brain metastases (RTOG 0933): a phase II multi-institutional trial. <i>Journal of Clinical Oncology</i> , 2014 , 32, 3810-6 | 2.2 | 678 |
| 232 | Image guidance for precise conformal radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003 , 56, 89-105 | 4 | 385 |
| 231 | Per-beam, planar IMRT QA passing rates do not predict clinically relevant patient dose errors. <i>Medical Physics</i> , 2011 , 38, 1037-44 | 4.4 | 313 |
| 230 | Why avoid the hippocampus? A comprehensive review. <i>Radiotherapy and Oncology</i> , 2010 , 97, 370-6 | 5.3 | 247 |
| 229 | A challenge to traditional radiation oncology. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004 , 60, 1241-56 | 4 | 247 |
| 228 | Hippocampal Avoidance During Whole-Brain Radiotherapy Plus Memantine for Patients With Brain Metastases: Phase III Trial NRG Oncology CC001. <i>Journal of Clinical Oncology</i> , 2020 , 38, 1019-1029 | 2.2 | 231 |
| 227 | Hippocampal-sparing whole-brain radiotherapy: a "how-to" technique using helical tomotherapy and linear accelerator-based intensity-modulated radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 78, 1244-52 | 4 | 228 |
| 226 | The impact of daily setup variations on head-and-neck intensity-modulated radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 61, 779-88 | 4 | 219 |
| 225 | Moving from gamma passing rates to patient DVH-based QA metrics in pretreatment dose QA. <i>Medical Physics</i> , 2011 , 38, 5477-89 | 4.4 | 190 |
| 224 | Hippocampal dosimetry predicts neurocognitive function impairment after fractionated stereotactic radiotherapy for benign or low-grade adult brain tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 85, 348-54 | 4 | 187 |
| 223 | Whole brain radiotherapy with hippocampal avoidance and simultaneously integrated brain metastases boost: a planning study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 69, 589-97 | 4 | 153 |
| 222 | Distribution of brain metastases in relation to the hippocampus: implications for neurocognitive functional preservation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 68, 971-7 | 4 | 140 |
| 221 | Estimated risk of perihippocampal disease progression after hippocampal avoidance during whole-brain radiotherapy: safety profile for RTOG 0933. <i>Radiotherapy and Oncology</i> , 2010 , 95, 327-31 | 5.3 | 136 |
| 220 | Variations in the contouring of organs at risk: test case from a patient with oropharyngeal cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 82, 368-78 | 4 | 132 |
| 219 | Dosimetric comparison of left-sided whole breast irradiation with 3DCRT, forward-planned IMRT, inverse-planned IMRT, helical tomotherapy, and topotherapy. <i>Radiotherapy and Oncology</i> , 2011 , 100, 241-6 | 5.3 | 122 |
| 218 | On cold spots in tumor subvolumes. <i>Medical Physics</i> , 2002 , 29, 1590-8 | 4.4 | 115 |

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| 217 | Integral radiation dose to normal structures with conformal external beam radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 64, 962-7 | 4 | 110 |
| 216 | Hippocampal dosimetry predicts neurocognitive function impairment after fractionated stereotactic radiotherapy for benign or low-grade adult brain tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 83, e487-93 | 4 | 109 |
| 215 | Dose-limiting toxicity after hypofractionated dose-escalated radiotherapy in non-small-cell lung cancer. <i>Journal of Clinical Oncology</i> , 2013 , 31, 4343-8 | 2.2 | 107 |
| 214 | Selective boosting of tumor subvolumes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000 , 48, 593-9 | 4 | 102 |
| 213 | Tumor volume changes on serial imaging with megavoltage CT for non-small-cell lung cancer during intensity-modulated radiotherapy: how reliable, consistent, and meaningful is the effect?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 66, 135-41 | 4 | 99 |
| 212 | Heterogeneity in head and neck IMRT target design and clinical practice. <i>Radiotherapy and Oncology</i> , 2012 , 103, 92-8 | 5.3 | 95 |
| 211 | Rectal dose sparing with a balloon catheter and ultrasound localization in conformal radiation therapy for prostate cancer. <i>Radiotherapy and Oncology</i> , 2003 , 67, 285-94 | 5.3 | 94 |
| 210 | Impact of hybrid fluorodeoxyglucose positron-emission tomography/computed tomography on radiotherapy planning in esophageal and non-small-cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 187-95 | 4 | 89 |
| 209 | Local Control After Stereotactic Body Radiation Therapy for Liver Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 , 110, 188-195 | 4 | 80 |
| 208 | Is high-dose stereotactic body radiotherapy (SBRT) for stage I non-small cell lung cancer (NSCLC) overkill? A systematic review. <i>Radiotherapy and Oncology</i> , 2012 , 105, 145-9 | 5.3 | 79 |
| 207 | RADI-11. NRG ONCOLOGY CC001: A PHASE III TRIAL OF HIPPOCAMPAL AVOIDANCE IN ADDITION TO WHOLE-BRAIN RADIOTHERAPY (WBRT) PLUS MEMANTINE TO PRESERVE NEUROCOGNITIVE FUNCTION IN PATIENTS WITH BRAIN METASTASES (BM). <i>Neuro-Oncology Advances</i> , 2019 , 1, i23-i24 | 0.9 | 78 |
| 206 | BSCI-18. ABLATION OF Csf2 MITIGATES RADIATION-INDUCED NEUROCOGNITIVE DECLINE INDEPENDENT OF HIPPOCAMPAL NEUROGENESIS. <i>Neuro-Oncology Advances</i> , 2019 , 1, i4-i4 | 0.9 | 78 |
| 205 | A comprehensive assessment by tumor site of patient setup using daily MVCT imaging from more than 3,800 helical tomotherapy treatments. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 73, 1260-9 | 4 | 75 |
| 204 | Reduction in radiation dose to lung and other normal tissues using helical tomotherapy to treat lung cancer, in comparison to conventional field arrangements. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2003 , 26, 70-8 | 2.7 | 75 |
| 203 | A multi-institution evaluation of deformable image registration algorithms for automatic organ delineation in adaptive head and neck radiotherapy. <i>Radiation Oncology</i> , 2012 , 7, 90 | 4.2 | 69 |
| 202 | Clinical implementation of adaptive helical tomotherapy: a unique approach to image-guided intensity modulated radiotherapy. <i>Technology in Cancer Research and Treatment</i> , 2006 , 5, 465-79 | 2.7 | 67 |
| 201 | Automatic registration of megavoltage to kilovoltage CT images in helical tomotherapy: an evaluation of the setup verification process for the special case of a rigid head phantom. <i>Medical Physics</i> , 2006 , 33, 4395-404 | 4.4 | 67 |
| 200 | Optically guided patient positioning techniques. <i>Seminars in Radiation Oncology</i> , 2005 , 15, 192-201 | 5.5 | 66 |

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| 199 | Quality assurance for nonradiographic radiotherapy localization and positioning systems: report of Task Group 147. <i>Medical Physics</i> , 2012 , 39, 1728-47 | 4.4 | 63 |
| 198 | Feasibility report of image guided stereotactic body radiotherapy (IG-SBRT) with tomotherapy for early stage medically inoperable lung cancer using extreme hypofractionation. <i>Acta Oncologica</i> , 2006 , 45, 890-6 | 3.2 | 63 |
| 197 | Point/counterpoint: it is not appropriate to "deform" dose along with deformable image registration in adaptive radiotherapy. <i>Medical Physics</i> , 2012 , 39, 6531-3 | 4.4 | 62 |
| 196 | Tomotherapy and other innovative IMRT delivery systems. <i>Seminars in Radiation Oncology</i> , 2006 , 16, 199-208 | 5.5 | 62 |
| 195 | Dose calculation on kV cone beam CT images: an investigation of the Hu-density conversion stability and dose accuracy using the site-specific calibration. <i>Medical Dosimetry</i> , 2010 , 35, 195-207 | 1.3 | 61 |
| 194 | Emphasizing conformal avoidance versus target definition for IMRT planning in head-and-neck cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 77, 950-8 | 4 | 59 |
| 193 | A high-precision system for conformal intracranial radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000 , 47, 1137-43 | 4 | 57 |
| 192 | Comparison of prostate IMRT and VMAT biologically optimised treatment plans. <i>Medical Dosimetry</i> , 2011 , 36, 292-8 | 1.3 | 54 |
| 191 | Reirradiation of large-volume recurrent glioma with pulsed reduced-dose-rate radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 79, 835-41 | 4 | 54 |
| 190 | Single- and Multi-Fraction Stereotactic Radiosurgery Dose Tolerances of the Optic Pathways. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 , 110, 87-99 | 4 | 53 |
| 189 | Risk-adaptive optimization: selective boosting of high-risk tumor subvolumes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 66, 1528-42 | 4 | 52 |
| 188 | The impact of daily shifts on prostate IMRT dose distributions. <i>Medical Physics</i> , 2004 , 31, 2845-8 | 4.4 | 52 |
| 187 | Accuracy of deformable image registration for contour propagation in adaptive lung radiotherapy. <i>Radiation Oncology</i> , 2013 , 8, 243 | 4.2 | 51 |
| 186 | Dose escalated, hypofractionated radiotherapy using helical tomotherapy for inoperable non-small cell lung cancer: preliminary results of a risk-stratified phase I dose escalation study. <i>Technology in Cancer Research and Treatment</i> , 2008 , 7, 441-7 | 2.7 | 51 |
| 185 | In vivo real-time rectal wall dosimetry for prostate radiotherapy. <i>Physics in Medicine and Biology</i> , 2010 , 55, 3859-71 | 3.8 | 50 |
| 184 | Single institution experience treating 104 vestibular schwannomas with fractionated stereotactic radiation therapy or stereotactic radiosurgery. <i>Journal of Neuro-Oncology</i> , 2014 , 116, 187-93 | 4.8 | 49 |
| 183 | Comparison of linac based fractionated stereotactic radiotherapy and tomotherapy treatment plans for skull-base tumors. <i>Radiotherapy and Oncology</i> , 2006 , 78, 313-21 | 5.3 | 48 |
| 182 | Stereotactic body radiotherapy for primary management of early-stage, low- to intermediate-risk prostate cancer: report of the American Society for Therapeutic Radiology and Oncology Emerging Technology Committee. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, 1297-304 | 4 | 47 |

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| 181 | The utilization of consistency metrics for error analysis in deformable image registration. <i>Physics in Medicine and Biology</i> , 2009 , 54, 5561-77 | 3.8 | 46 |
| 180 | Photodynamic Therapy and Its Role in Combined Modality Anticancer Treatment. <i>Technology in Cancer Research and Treatment</i> , 2015 , 14, 355-68 | 2.7 | 45 |
| 179 | The impact of dental metal artifacts on head and neck IMRT dose distributions. <i>Radiotherapy and Oncology</i> , 2006 , 79, 198-202 | 5.3 | 45 |
| 178 | Phase I trial of pelvic nodal dose escalation with hypofractionated IMRT for high-risk prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 82, 184-90 | 4 | 43 |
| 177 | Commissioning and quality assurance of an optically guided three-dimensional ultrasound target localization system for radiotherapy. <i>Medical Physics</i> , 2002 , 29, 1781-8 | 4.4 | 43 |
| 176 | Total scalp irradiation using helical tomotherapy. <i>Medical Dosimetry</i> , 2005 , 30, 162-8 | 1.3 | 41 |
| 175 | Optically guided intensity modulated radiotherapy. <i>Radiotherapy and Oncology</i> , 2001 , 61, 33-44 | 5.3 | 41 |
| 174 | On the dosimetric effect and reduction of inverse consistency and transitivity errors in deformable image registration for dose accumulation. <i>Medical Physics</i> , 2012 , 39, 272-80 | 4.4 | 40 |
| 173 | 3D-ultrasound guided radiation therapy in the post-prostatectomy setting. <i>Technology in Cancer Research and Treatment</i> , 2003 , 2, 455-8 | 2.7 | 40 |
| 172 | Who benefits from adjuvant radiation therapy for gastric cancer? A meta-analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 86, 330-5 | 4 | 39 |
| 171 | Optical tracking technology in stereotactic radiation therapy. <i>Medical Dosimetry</i> , 2007 , 32, 111-20 | 1.3 | 38 |
| 170 | Evaluation of a fast method of EPID-based dosimetry for intensity-modulated radiation therapy. <i>Journal of Applied Clinical Medical Physics</i> , 2010 , 11, 3185 | 2.3 | 36 |
| 169 | Quality assurance of U.S.-guided external beam radiotherapy for prostate cancer: report of AAPM Task Group 154. <i>Medical Physics</i> , 2011 , 38, 857-71 | 4.4 | 35 |
| 168 | On the dose to a moving target while employing different IMRT delivery mechanisms. <i>Radiotherapy and Oncology</i> , 2007 , 83, 49-56 | 5.3 | 35 |
| 167 | On the automated definition of mobile target volumes from 4D-CT images for stereotactic body radiotherapy. <i>Medical Physics</i> , 2005 , 32, 3493-502 | 4.4 | 35 |
| 166 | Linear accelerator radiosurgery for trigeminal neuralgia. <i>Neurosurgery</i> , 2005 , 57, 1193-200; discussion 1193-200 | 3.2 | 34 |
| 165 | Dosimetric characteristics of a double-focused miniature multileaf collimator. <i>Medical Physics</i> , 1999 , 26, 729-33 | 4.4 | 34 |
| 164 | Spinal Cord Dose Tolerance to Stereotactic Body Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 , 110, 124-136 | 4 | 34 |

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| 163 | Systematic Review of Normal Tissue Complication Models Relevant to Standard Fractionation Radiation Therapy of the Head and Neck Region Published After the QUANTEC Reports. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 100, 391-407 | 4 | 33 |
| 162 | Pulsed reduced dose-rate radiotherapy: a novel locoregional retreatment strategy for breast cancer recurrence in the previously irradiated chest wall, axilla, or supraclavicular region. <i>Breast Cancer Research and Treatment</i> , 2009 , 114, 307-13 | 4-4 | 33 |
| 161 | High dose per fraction dosimetry of small fields with gafchromic EBT2 film. <i>Medical Physics</i> , 2011 , 38, 4081-5 | 4-4 | 32 |
| 160 | Dosimetric verification of helical tomotherapy for total scalp irradiation. <i>Medical Physics</i> , 2008 , 35, 5061-7 | 4-4 | 32 |
| 159 | On the use of hyperpolarized helium MRI for conformal avoidance lung radiotherapy. <i>Medical Dosimetry</i> , 2010 , 35, 297-303 | 1-3 | 31 |
| 158 | Stereotactic body radiotherapy for early-stage non-small-cell lung cancer: report of the ASTRO Emerging Technology Committee. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 78, 3-10 | 4 | 31 |
| 157 | Low-Intensity Focused Ultrasound Induces Reversal of Tumor-Induced T Cell Tolerance and Prevents Immune Escape. <i>Journal of Immunology</i> , 2016 , 196, 1964-76 | 5-3 | 30 |
| 156 | The impact of hybrid PET-CT scan on overall oncologic management, with a focus on radiotherapy planning: a prospective, blinded study. <i>Technology in Cancer Research and Treatment</i> , 2009 , 8, 149-58 | 2-7 | 29 |
| 155 | Pulsed reduced dose-rate radiotherapy: case report : a novel re-treatment strategy in the management of recurrent glioblastoma multiforme. <i>Journal of Neuro-Oncology</i> , 2007 , 83, 307-11 | 4-8 | 29 |
| 154 | IMRT delivery verification using a spiral phantom. <i>Medical Physics</i> , 2003 , 30, 2553-8 | 4-4 | 28 |
| 153 | NRG Oncology CC001: A phase III trial of hippocampal avoidance (HA) in addition to whole-brain radiotherapy (WBRT) plus memantine to preserve neurocognitive function (NCF) in patients with brain metastases (BM).. <i>Journal of Clinical Oncology</i> , 2019 , 37, 2009-2009 | 2-2 | 28 |
| 152 | CogState computerized memory tests in patients with brain metastases: secondary endpoint results of NRG Oncology RTOG 0933. <i>Journal of Neuro-Oncology</i> , 2016 , 126, 327-36 | 4-8 | 26 |
| 151 | Helical tomotherapy: image guidance and adaptive dose guidance. <i>Frontiers of Radiation Therapy and Oncology</i> , 2007 , 40, 162-178 | | 25 |
| 150 | Gentlemen (and ladies), choose your weapons: Gamma knife vs. linear accelerator radiosurgery. <i>Technology in Cancer Research and Treatment</i> , 2003 , 2, 79-86 | 2-7 | 25 |
| 149 | Multi-institutional quantitative evaluation and clinical validation of Smart Probabilistic Image Contouring Engine (SPICE) autosegmentation of target structures and normal tissues on computer tomography images in the head and neck, thorax, liver, and male pelvis areas. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 87, 809-16 | 4 | 24 |
| 148 | On the use of a proton path probability map for proton computed tomography reconstruction. <i>Medical Physics</i> , 2010 , 37, 4138-45 | 4-4 | 24 |
| 147 | Pelvic nodal dose escalation with prostate hypofractionation using conformal avoidance defined (H-CAD) intensity modulated radiation therapy. <i>Acta Oncologica</i> , 2006 , 45, 717-27 | 3-2 | 24 |
| 146 | Clinical implementation of target tracking by breathing synchronized delivery. <i>Medical Physics</i> , 2006 , 33, 4330-6 | 4-4 | 24 |

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| 145 | A technique for stereotactic radiosurgery treatment planning with helical tomotherapy. <i>Medical Dosimetry</i> , 2011 , 36, 46-56 | 1.3 | 22 |
| 144 | Is it beneficial to selectively boost high-risk tumor subvolumes? A comparison of selectively boosting high-risk tumor subvolumes versus homogeneous dose escalation of the entire tumor based on equivalent EUD plans. <i>Acta Oncologica</i> , 2008 , 47, 906-16 | 3.2 | 22 |
| 143 | A mouse model replicating hippocampal sparing cranial irradiation in humans: A tool for identifying new strategies to limit neurocognitive decline. <i>Scientific Reports</i> , 2015 , 5, 14384 | 4.9 | 21 |
| 142 | Real-time pretreatment review limits unacceptable deviations on a cooperative group radiation therapy technique trial: quality assurance results of RTOG 0933. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 91, 564-70 | 4 | 21 |
| 141 | Lung 4D-IMRT treatment planning: an evaluation of three methods applied to four-dimensional data sets. <i>Radiotherapy and Oncology</i> , 2008 , 88, 319-25 | 5.3 | 21 |
| 140 | Clinical assessment of three-dimensional ultrasound prostate localization for external beam radiotherapy. <i>Medical Physics</i> , 2006 , 33, 4710-7 | 4.4 | 21 |
| 139 | A spiral phantom for IMRT and tomotherapy treatment delivery verification. <i>Medical Physics</i> , 2000 , 27, 2503-7 | 4.4 | 21 |
| 138 | Dose coverage beyond the gross tumor volume for various stereotactic body radiotherapy planning techniques reporting similar control rates for stage I non-small-cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 72, 1597-603 | 4 | 20 |
| 137 | Modelling simple helically delivered dose distributions. <i>Physics in Medicine and Biology</i> , 2005 , 50, 1505-17 | 3.8 | 20 |
| 136 | Fractionated stereotactic radiation therapy for brain metastases: a systematic review with tumour control probability modelling. <i>British Journal of Radiology</i> , 2017 , 90, 20160666 | 3.4 | 19 |
| 135 | Biological Effects Induced by Non-thermal Ultrasound and Implications for Cancer Therapy: A Review of the Current Literature. <i>Technology in Cancer Research and Treatment</i> , 2015 , 14, 221-35 | 2.7 | 19 |
| 134 | Bragg peak prediction from quantitative proton computed tomography using different path estimates. <i>Physics in Medicine and Biology</i> , 2011 , 56, 587-99 | 3.8 | 19 |
| 133 | On the inclusion of proliferation in tumour control probability calculations for inhomogeneously irradiated tumours. <i>Physics in Medicine and Biology</i> , 2003 , 48, N261-8 | 3.8 | 19 |
| 132 | Revisiting the dose constraints for head and neck OARs in the current era of IMRT. <i>Oral Oncology</i> , 2018 , 86, 8-18 | 4.4 | 19 |
| 131 | On the use of biomathematical models in patient-specific IMRT dose QA. <i>Medical Physics</i> , 2013 , 40, 071702 | 4.4 | 18 |
| 130 | Fractionated stereotactic radiotherapy: a short review. <i>Technology in Cancer Research and Treatment</i> , 2002 , 1, 153-72 | 2.7 | 18 |
| 129 | Dosimetric impact of daily setup variations during treatment of canine nasal tumors using intensity-modulated radiation therapy. <i>Veterinary Radiology and Ultrasound</i> , 2010 , 51, 90-6 | 1.2 | 17 |
| 128 | On the incorporation of multi-modality image registration into the radiotherapy treatment planning process. <i>Technology in Cancer Research and Treatment</i> , 2003 , 2, 1-12 | 2.7 | 17 |

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| 127 | Low intensity focused ultrasound (LOFU) modulates unfolded protein response and sensitizes prostate cancer to 17AAG. <i>Oncoscience</i> , 2014 , 1, 434-45 | 0.8 | 17 |
| 126 | Dose-painting IMRT optimization using biological parameters. <i>Acta Oncologica</i> , 2010 , 49, 1374-84 | 3.2 | 16 |
| 125 | Fractionated radiotherapy for intracranial meningiomas. <i>Journal of Neuro-Oncology</i> , 2010 , 99, 349-56 | 4.8 | 16 |
| 124 | Radiobiological and treatment planning study of a simultaneously integrated boost for canine nasal tumors using helical tomotherapy. <i>Veterinary Radiology and Ultrasound</i> , 2007 , 48, 594-602 | 1.2 | 16 |
| 123 | Universal survival curve and single fraction equivalent dose: useful tools in understanding potency of ablative radiotherapy: in regard to Parks et al. (Int J Radiat Oncol Biol Phys 2008;70:847-852). <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 72, 1620; author reply 1620-1 | 4 | 16 |
| 122 | Precautions in the use of intensity-modulated radiation therapy. <i>Technology in Cancer Research and Treatment</i> , 2005 , 4, 203-10 | 2.7 | 16 |
| 121 | On the radiobiological impact of metal artifacts in head-and-neck IMRT in terms of tumor control probability (TCP) and normal tissue complication probability (NTCP). <i>Medical and Biological Engineering and Computing</i> , 2007 , 45, 1045-51 | 3.1 | 15 |
| 120 | Analysis of radiation-induced liver disease using the Lyman NTCP model: in regard to Dawson et al. IJROBP 2002;53:810-821. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004 , 58, 1318-9; author reply 1319-20 | 4 | 14 |
| 119 | An efficient Volumetric Arc Therapy treatment planning approach for hippocampal-avoidance whole-brain radiation therapy (HA-WBRT). <i>Medical Dosimetry</i> , 2015 , 40, 205-9 | 1.3 | 13 |
| 118 | Hippocampal-dependent neurocognitive impairment following cranial irradiation observed in pre-clinical models: current knowledge and possible future directions. <i>British Journal of Radiology</i> , 2016 , 89, 20150762 | 3.4 | 13 |
| 117 | Potential for radiation therapy technology innovations to permit dose escalation for non-small-cell lung cancer. <i>Clinical Lung Cancer</i> , 2005 , 7, 107-13 | 4.9 | 13 |
| 116 | Assessment of patient-independent intrinsic error for a noninvasive frame for fractionated stereotactic radiotherapy. <i>International Journal of Cancer</i> , 2001 , 96, 320-5 | 7.5 | 13 |
| 115 | Evaluating which plan quality metrics are appropriate for use in lung SBRT. <i>British Journal of Radiology</i> , 2018 , 91, 20170393 | 3.4 | 12 |
| 114 | Prophylactic cranial irradiation: recent outcomes and innovations. <i>CNS Oncology</i> , 2014 , 3, 219-30 | 4 | 12 |
| 113 | A comparison of helical tomotherapy to circular collimator-based linear-accelerator radiosurgery for the treatment of brain metastases. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2011 , 34, 388-94 | 2.7 | 12 |
| 112 | Radiation techniques in neuro-oncology. <i>Neurotherapeutics</i> , 2009 , 6, 487-99 | 6.4 | 12 |
| 111 | Quality assurance device for four-dimensional IMRT or SBRT and respiratory gating using patient-specific intrafraction motion kernels. <i>Journal of Applied Clinical Medical Physics</i> , 2007 , 8, 152-168 ²⁻³ | | 12 |
| 110 | On a single isocenter volumetric modulated arc therapy SRS planning technique for multiple brain metastases. <i>Journal of Radiosurgery and SBRT</i> , 2012 , 2, 1-9 | 0.4 | 12 |

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| 109 | Acute hematologic and mucosal toxicities in head and neck cancer patients undergoing chemoradiotherapy: a comparison of 3D-CRT, IMRT, and helical tomotherapy. <i>Technology in Cancer Research and Treatment</i> , 2013 , 12, 383-9 | 2.7 | 11 |
| 108 | Stereotactic body radiation therapy in non-small-cell lung cancer: linking radiobiological modeling and clinical outcome. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2011 , 34, 432-41 | 2.7 | 11 |
| 107 | Endo-rectal balloon cavity dosimetry in a phantom: performance under IMRT and helical tomotherapy beams. <i>Radiotherapy and Oncology</i> , 2009 , 92, 48-56 | 5.3 | 11 |
| 106 | Quality assurance of an image guided intracranial stereotactic positioning system for radiosurgery treatment with helical tomotherapy. <i>Journal of Neuro-Oncology</i> , 2010 , 98, 277-85 | 4.8 | 11 |
| 105 | A Quantitative Clinical Decision-Support Strategy Identifying Which Patients With Oropharyngeal Head and Neck Cancer May Benefit the Most From Proton Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019 , 104, 540-552 | 4 | 10 |
| 104 | Methodologies for localizing loco-regional hypopharyngeal carcinoma recurrences in relation to FDG-PET positive and clinical radiation therapy target volumes. <i>Acta Oncologica</i> , 2010 , 49, 984-90 | 3.2 | 10 |
| 103 | On the estimation of the location of the hippocampus in the context of hippocampal avoidance whole brain radiotherapy treatment planning. <i>Technology in Cancer Research and Treatment</i> , 2009 , 8, 425-32 | 2.7 | 10 |
| 102 | Application of a whole-body pharmacokinetic model for targeted radionuclide therapy to NM404 and FLT. <i>Physics in Medicine and Biology</i> , 2012 , 57, 1641-57 | 3.8 | 10 |
| 101 | Dose escalation model for limited-stage small-cell lung cancer. <i>Radiotherapy and Oncology</i> , 2009 , 91, 379-85 | 5.3 | 10 |
| 100 | Helical tomotherapy as a means of delivering scalp-sparing whole brain radiation therapy. <i>Technology in Cancer Research and Treatment</i> , 2005 , 4, 661-2; author reply 662 | 2.7 | 10 |
| 99 | An algorithm for automatic, computed-tomography-based source localization after prostate implant. <i>Medical Physics</i> , 2001 , 28, 1410-5 | 4.4 | 10 |
| 98 | Recurrent Malignant Gliomas Treated with Radiosurgery. <i>Journal of Radiosurgery</i> , 1999 , 2, 119-125 | | 10 |
| 97 | Local Control After Stereotactic Body Radiation Therapy for Stage I Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 , 110, 160-171 | 4 | 10 |
| 96 | The evolving role for re-irradiation in the management of recurrent grade 4 glioma. <i>Journal of Neuro-Oncology</i> , 2017 , 134, 523-530 | 4.8 | 9 |
| 95 | On voxel-by-voxel accumulated dose for prostate radiation therapy using deformable image registration. <i>Technology in Cancer Research and Treatment</i> , 2015 , 14, 37-47 | 2.7 | 9 |
| 94 | Comparing photon and proton-based hypofractionated SBRT for prostate cancer accounting for robustness and realistic treatment deliverability. <i>British Journal of Radiology</i> , 2018 , 91, 20180010 | 3.4 | 9 |
| 93 | The effect on dose accumulation accuracy of inverse-consistency and transitivity error reduced deformation maps. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2014 , 37, 321-6 | 1.9 | 9 |
| 92 | Technical Note: Angular dependence of a 2D monolithic silicon diode array for small field dosimetry. <i>Medical Physics</i> , 2017 , 44, 4313-4321 | 4.4 | 9 |

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