

# Andrzej Niemierko

## List of Publications by Citations

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237  
papers

10,265  
citations

52  
h-index

96  
g-index

288  
ext. papers

12,108  
ext. citations

2.9  
avg, IF

6.09  
L-index

#	Paper	IF	Citations
237	Reporting and analyzing dose distributions: a concept of equivalent uniform dose. <i>Medical Physics</i> , <b>1997</b> , 24, 103-10	4.4	807
236	Breast cancer subtype approximated by estrogen receptor, progesterone receptor, and HER-2 is associated with local and distant recurrence after breast-conserving therapy. <i>Journal of Clinical Oncology</i> , <b>2008</b> , 26, 2373-8	2.2	632
235	Relative biological effectiveness (RBE) values for proton beam therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2002</b> , 53, 407-21	4	619
234	Age, breast cancer subtype approximation, and local recurrence after breast-conserving therapy. <i>Journal of Clinical Oncology</i> , <b>2011</b> , 29, 3885-91	2.2	299
233	Optimization of intensity-modulated radiotherapy plans based on the equivalent uniform dose. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2002</b> , 52, 224-35	4	297
232	Long-term outcomes of selective bladder preservation by combined-modality therapy for invasive bladder cancer: the MGH experience. <i>European Urology</i> , <b>2012</b> , 61, 705-11	10.2	264
231	Radiation dose-response of human tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1995</b> , 32, 1227-37	4	237
230	Modeling of normal tissue response to radiation: the critical volume model. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1993</b> , 25, 135-45	4	229
229	Calculation of normal tissue complication probability and dose-volume histogram reduction schemes for tissues with a critical element architecture. <i>Radiotherapy and Oncology</i> , <b>1991</b> , 20, 166-76	5.3	197
228	A free program for calculating EUD-based NTCP and TCP in external beam radiotherapy. <i>Physica Medica</i> , <b>2007</b> , 23, 115-25	2.7	195
227	Proton vs carbon ion beams in the definitive radiation treatment of cancer patients. <i>Radiotherapy and Oncology</i> , <b>2010</b> , 95, 3-22	5.3	185
226	Secondary carcinogenesis in patients treated with radiation: a review of data on radiation-induced cancers in human, non-human primate, canine and rodent subjects. <i>Radiation Research</i> , <b>2007</b> , 167, 12-42	3.1	185
225	Second tumors after radiosurgery: tip of the iceberg or a bump in the road?. <i>Neurosurgery</i> , <b>2003</b> , 52, 1436-40; discussion 1440-2	3.2	158
224	Risk of pneumonitis in breast cancer patients treated with radiation therapy and combination chemotherapy with paclitaxel. <i>Journal of the National Cancer Institute</i> , <b>2001</b> , 93, 1806-11	9.7	158
223	Implementation of a model for estimating tumor control probability for an inhomogeneously irradiated tumor. <i>Radiotherapy and Oncology</i> , <b>1993</b> , 29, 140-7	5.3	155
222	Long-term Outcomes After Bladder-preserving Tri-modality Therapy for Patients with Muscle-invasive Bladder Cancer: An Updated Analysis of the Massachusetts General Hospital Experience. <i>European Urology</i> , <b>2017</b> , 71, 952-960	10.2	153
221	The use and QA of biologically related models for treatment planning: short report of the TG-166 of the therapy physics committee of the AAPM. <i>Medical Physics</i> , <b>2012</b> , 39, 1386-409	4.4	153

220	Analysis of the relationship between tumor dose inhomogeneity and local control in patients with skull base chordoma. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1999</b> , 45, 351-8	4	137
219	Comparison of the Genomic Landscape Between Primary Breast Cancer in African American Versus White Women and the Association of Racial Differences With Tumor Recurrence. <i>Journal of Clinical Oncology</i> , <b>2015</b> , 33, 3621-7	2.2	118
218	Proton-based radiotherapy for unresectable or incompletely resected osteosarcoma. <i>Cancer</i> , <b>2011</b> , 117, 4522-30	6.4	115
217	Dose-response relationship between probability of pathologic tumor control and glucose metabolic rate measured with FDG PET after preoperative chemoradiotherapy in locally advanced non-small-cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2002</b> , 54, 1024-35	4	111
216	Multidisciplinary care and pursuit of active surveillance in low-risk prostate cancer. <i>Journal of Clinical Oncology</i> , <b>2012</b> , 30, 3071-6	2.2	108
215	Nomogram for the prediction of having four or more involved nodes for sentinel lymph node-positive breast cancer. <i>Journal of Clinical Oncology</i> , <b>2008</b> , 26, 2093-8	2.2	108
214	Proton beams to replace photon beams in radical dose treatments. <i>Acta Oncologica</i> , <b>2003</b> , 42, 800-8	3.2	102
213	Conformal irradiation of the prostate: estimating long-term rectal bleeding risk using dose-volume histograms. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1996</b> , 36, 721-30	4	99
212	Report of the AAPM TG-256 on the relative biological effectiveness of proton beams in radiation therapy. <i>Medical Physics</i> , <b>2019</b> , 46, e53-e78	4.4	98
211	Linear energy transfer-guided optimization in intensity modulated proton therapy: feasibility study and clinical potential. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2013</b> , 87, 216-22	4	96
210	Optimization of 3D radiation therapy with both physical and biological end points and constraints. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1992</b> , 23, 99-108	4	95
209	Permanent alopecia after cranial irradiation: dose-response relationship. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2004</b> , 60, 879-87	4	87
208	Patient-reported long-term outcomes after conventional and high-dose combined proton and photon radiation for early prostate cancer. <i>JAMA - Journal of the American Medical Association</i> , <b>2010</b> , 303, 1046-53	27.4	83
207	Quality of Life in Long-term Survivors of Muscle-Invasive Bladder Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2016</b> , 96, 1028-1036	4	82
206	Brain metastases after breast-conserving therapy and systemic therapy: incidence and characteristics by biologic subtype. <i>Breast Cancer Research and Treatment</i> , <b>2012</b> , 136, 153-60	4.4	81
205	From physical dose constraints to equivalent uniform dose constraints in inverse radiotherapy planning. <i>Medical Physics</i> , <b>2003</b> , 30, 2332-9	4.4	79
204	RONC-20. VERTEBRAL BODY GROWTH RETARDATION FOLLOWING PROTON CRANIOSPINAL RADIATION. <i>Neuro-Oncology</i> , <b>2018</b> , 20, i178-i178	1	78
203	Outcomes of proton therapy for patients with functional pituitary adenomas. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2014</b> , 90, 532-9	4	73

202	Random sampling for evaluating treatment plans. <i>Medical Physics</i> , <b>1990</b> , 17, 753-62	4.4	69
201	Defining a threshold for intervention in breast cancer-related lymphedema: what level of arm volume increase predicts progression?. <i>Breast Cancer Research and Treatment</i> , <b>2013</b> , 140, 485-94	4.4	68
200	Delayed diagnosis in children with intracranial germ cell tumors. <i>Journal of Pediatrics</i> , <b>2013</b> , 163, 1448-53.6		68
199	Acute myeloid leukemia and myelodysplastic syndromes after radiation therapy are similar to de novo disease and differ from other therapy-related myeloid neoplasms. <i>Journal of Clinical Oncology</i> , <b>2012</b> , 30, 2340-7	2.2	67
198	Imaging and extent of surgical resection predict risk of meningioma recurrence better than WHO histopathological grade. <i>Neuro-Oncology</i> , <b>2016</b> , 18, 863-72	1	63
197	Implications of respiratory motion as measured by four-dimensional computed tomography for radiation treatment planning of esophageal cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2009</b> , 74, 290-6	4	63
196	Pancreatic cancer tumor size on CT scan versus pathologic specimen: implications for radiation treatment planning. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2011</b> , 80, 1383-90	4	61
195	Low local recurrence rate without postmastectomy radiation in node-negative breast cancer patients with tumors 5 cm and larger. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2006</b> , 66, 358-64	4	61
194	Updated Outcome and Analysis of Tumor Response in Mobile Spine and Sacral Chordoma Treated With Definitive High-Dose Photon/Proton Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2017</b> , 97, 254-262	4	59
193	Validation of a web-based predictive nomogram for ipsilateral breast tumor recurrence after breast conserving therapy. <i>Journal of Clinical Oncology</i> , <b>2010</b> , 28, 718-22	2.2	59
192	Endocrine Deficiency As a Function of Radiation Dose to the Hypothalamus and Pituitary in Pediatric and Young Adult Patients With Brain Tumors. <i>Journal of Clinical Oncology</i> , <b>2018</b> , 36, 2854-2862 <sup>2.2</sup>		58
191	Significance of targeted therapy and genetic alterations in EGFR, ALK, or KRAS on survival in patients with non-small cell lung cancer treated with radiotherapy for brain metastases. <i>Neuro-Oncology</i> , <b>2015</b> , 17, 296-302	1	57
190	Clinical Outcomes in Patients With Metastatic Lung Cancer Treated With PD-1/PD-L1 Inhibitors and Thoracic Radiotherapy. <i>JAMA Oncology</i> , <b>2018</b> , 4, 253-255	13.4	57
189	Patterns and risk factors of locoregional recurrence in T1-T2 node negative breast cancer patients treated with mastectomy: implications for postmastectomy radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2011</b> , 81, e151-7	4	57
188	Patterns of failure after proton therapy in medulloblastoma; linear energy transfer distributions and relative biological effectiveness associations for relapses. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2014</b> , 88, 655-63	4	56
187	Pattern of Failure Analysis in Metastatic EGFR-Mutant Lung Cancer Treated with Tyrosine Kinase Inhibitors to Identify Candidates for Consolidation Stereotactic Body Radiation Therapy. <i>Journal of Thoracic Oncology</i> , <b>2015</b> , 10, 1601-7	8.9	54
186	Breast-cancer subtype, age, and lymph node status as predictors of local recurrence following breast-conserving therapy. <i>Breast Cancer Research and Treatment</i> , <b>2017</b> , 161, 173-179	4.4	51
185	Basal subtype of invasive breast cancer is associated with a higher risk of true recurrence after conventional breast-conserving therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2012</b> , 82, 1185-91	4	51

184	Benign meningiomas (WHO Grade I) with atypical histological features: correlation of histopathological features with clinical outcomes. <i>Journal of Neurosurgery</i> , <b>2016</b> , 124, 106-14	3.2	50
183	Pathologic Complete Response After Neoadjuvant Chemotherapy and Long-Term Outcomes Among Young Women With Breast Cancer. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , <b>2017</b> , 15, 1216-1223	7.3	49
182	Comparison Between Adjuvant and Early-Salvage Postprostatectomy Radiotherapy for Prostate Cancer With Adverse Pathological Features. <i>JAMA Oncology</i> , <b>2018</b> , 4, e175230	13.4	49
181	A comparison of critical structure dose and toxicity risks in patients with low grade gliomas treated with IMRT versus proton radiation therapy. <i>Technology in Cancer Research and Treatment</i> , <b>2013</b> , 12, 1-9	2.7	48
180	Clinical Outcomes of Patients with Histologic Variants of Urothelial Cancer Treated with Trimodality Bladder-sparing Therapy. <i>European Urology</i> , <b>2017</b> , 72, 54-60	10.2	47
179	Long-term outcomes of neoadjuvant chemotherapy before chemoradiation for locally advanced pancreatic cancer. <i>Cancer</i> , <b>2012</b> , 118, 3026-35	6.4	47
178	Survivin is a potential mediator of prostate cancer metastasis. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2010</b> , 78, 1095-103	4	47
177	Methodological issues in radiation dose-volume outcome analyses: summary of a joint AAPM/NIH workshop. <i>Medical Physics</i> , <b>2002</b> , 29, 2109-27	4.4	46
176	Proton stereotactic radiosurgery for the treatment of benign meningiomas. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2011</b> , 81, 1428-35	4	45
175	Spinal cord tolerance to high-dose fractionated 3D conformal proton-photon irradiation as evaluated by equivalent uniform dose and dose volume histogram analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2004</b> , 59, 551-5	4	45
174	Random search algorithm (RONSC) for optimization of radiation therapy with both physical and biological end points and constraints. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1992</b> , 23, 89-98	4	44
173	Impact of genomic methylation on radiation sensitivity of colorectal carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2010</b> , 76, 1512-9	4	42
172	Deep inspiration breath-hold technique in left-sided breast cancer radiation therapy: Evaluating cardiac contact distance as a predictor of cardiac exposure for patient selection. <i>Practical Radiation Oncology</i> , <b>2015</b> , 5, e127-e134	2.8	40
171	Identification of genes and pathways involved in kidney renal clear cell carcinoma. <i>BMC Bioinformatics</i> , <b>2014</b> , 15 Suppl 17, S2	3.6	40
170	Single- and Multifraction Stereotactic Radiosurgery Dose/Volume Tolerances of the Brain. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2021</b> , 110, 68-86	4	40
169	Cauda equina tolerance to high-dose fractionated irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2006</b> , 64, 251-7	4	39
168	Chest wall radiotherapy: middle ground for treatment of patients with one to three positive lymph nodes after mastectomy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2009</b> , 75, 1297-303 <sup>4</sup>		38
167	A prospective feasibility study of respiratory-gated proton beam therapy for liver tumors. <i>Practical Radiation Oncology</i> , <b>2014</b> , 4, 316-322	2.8	36

166	Projected second tumor risk and dose to neurocognitive structures after proton versus photon radiotherapy for benign meningioma. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2012</b> , 83, e495-500	4	36
165	DNA repair biomarkers predict response to neoadjuvant chemoradiotherapy in esophageal cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2012</b> , 83, 164-71	4	35
164	Cording following treatment for breast cancer. <i>Breast Cancer Research and Treatment</i> , <b>2013</b> , 140, 105-114.	4	34
163	Spinal Cord Dose Tolerance to Stereotactic Body Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2021</b> , 110, 124-136	4	34
162	Margin status and the risk of local recurrence in patients with early-stage breast cancer treated with breast-conserving therapy. <i>Breast Cancer Research and Treatment</i> , <b>2013</b> , 140, 353-61	4.4	33
161	Amplification Mediates Endocrine Resistance but Retains TORC Sensitivity in Metastatic Hormone Receptor-Positive (HR) Breast Cancer. <i>Clinical Cancer Research</i> , <b>2019</b> , 25, 6443-6451	12.9	31
160	The impact of timing of immunotherapy with cranial irradiation in melanoma patients with brain metastases: intracranial progression, survival and toxicity. <i>Journal of Neuro-Oncology</i> , <b>2018</b> , 138, 299-306	4.8	30
159	Single Stage Direct-to-Implant Breast Reconstruction Has Lower Complication Rates Than Tissue Expander and Implant and Comparable Rates to Autologous Reconstruction in Patients Receiving Postmastectomy Radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2020</b> , 106, 514-524	4	30
158	Left hippocampal dosimetry correlates with visual and verbal memory outcomes in survivors of pediatric brain tumors. <i>Cancer</i> , <b>2018</b> , 124, 2238-2245	6.4	29
157	Analysis of data errors in clinical research databases <b>2008</b> , 242-6	0.7	29
156	Single-fraction proton beam stereotactic radiosurgery for cerebral arteriovenous malformations. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2014</b> , 89, 338-46	4	27
155	Long-term quality of life outcome after proton beam monotherapy for localized prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2012</b> , 82, e201-9	4	27
154	The influence of the size of the grid used for dose calculation on the accuracy of dose estimation. <i>Medical Physics</i> , <b>1989</b> , 16, 239-47	4.4	27
153	Clinical and treatment factors associated with vaginal stenosis after definitive chemoradiation for anal canal cancer. <i>Practical Radiation Oncology</i> , <b>2015</b> , 5, e113-e118	2.8	26
152	Nomograms predicting response to therapy and outcomes after bladder-preserving trimodality therapy for muscle-invasive bladder cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2013</b> , 86, 311-6	4	26
151	Histopathological prognostic factors of recurrence following definitive therapy for atypical and malignant meningiomas. <i>Journal of Neurosurgery</i> , <b>2018</b> , 128, 1123-1132	3.2	25
150	Multi-criteria optimization achieves superior normal tissue sparing in a planning study of intensity-modulated radiation therapy for RTOG 1308-eligible non-small cell lung cancer patients. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 118, 515-20	5.3	25
149	Outcomes in a multi-institutional cohort of patients treated with intraoperative radiation therapy for advanced or recurrent renal cell carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2014</b> , 88, 618-23	4	25

148	The emerging genomics and systems biology research lead to systems genomics studies. <i>BMC Genomics</i> , <b>2014</b> , 15 Suppl 11, I1	4.5	25
147	Adjuvant radiation therapy for early stage seminoma: proton versus photon planning comparison and modeling of second cancer risk. <i>Radiotherapy and Oncology</i> , <b>2012</b> , 103, 12-7	5.3	25
146	Outcome following local-regional recurrence in women with early-stage breast cancer: impact of biologic subtype. <i>Breast Journal</i> , <b>2015</b> , 21, 161-7	1.2	23
145	Incidence, Clinicopathological Risk Factors, Management and Outcomes of Nonmuscle Invasive Recurrence after Complete Response to Trimodality Therapy for Muscle Invasive Bladder Cancer. <i>Journal of Urology</i> , <b>2018</b> , 199, 407-415	2.5	23
144	Comparison of proton and x-ray conformal dose distributions for radiosurgery applications. <i>Medical Physics</i> , <b>1995</b> , 22, 2111-6	4.4	23
143	Dose-volume distributions: a new approach to dose-volume histograms in three-dimensional treatment planning. <i>Medical Physics</i> , <b>1994</b> , 21, 3-11	4.4	23
142	Long-term impact of a faculty mentoring program in academic medicine. <i>PLoS ONE</i> , <b>2018</b> , 13, e0207634	3.7	23
141	Long-term quality of life after definitive treatment for prostate cancer: patient-reported outcomes in the second posttreatment decade. <i>Cancer Medicine</i> , <b>2017</b> , 6, 1827-1836	4.8	22
140	Planned two-fraction proton beam stereotactic radiosurgery for high-risk inoperable cerebral arteriovenous malformations. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2012</b> , 83, 533-41	4.1	22
139	A single-nucleotide polymorphism in the methylene tetrahydrofolate reductase (MTHFR) gene is associated with risk of radiation pneumonitis in lung cancer patients treated with thoracic radiation therapy. <i>Cancer</i> , <b>2012</b> , 118, 3654-65	6.4	22
138	Long-term outcomes of patients with spinal cord gliomas treated by modern conformal radiation techniques. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2011</b> , 81, 232-8	4	22
137	Can axillary dissection be avoided in patients with sentinel lymph node metastasis?. <i>Journal of Surgical Oncology</i> , <b>2006</b> , 93, 550-8	2.8	22
136	Towards the development of an error checker for radiotherapy treatment plans: a preliminary study. <i>Physics in Medicine and Biology</i> , <b>2007</b> , 52, 6511-24	3.8	21
135	Irradiation of FDG-PET-Defined Active Bone Marrow Subregions and Acute Hematologic Toxicity in Anal Cancer Patients Undergoing Chemoradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2016</b> , 94, 747-54	4	21
134	Increase of pseudoprogression and other treatment related effects in low-grade glioma patients treated with proton radiation and temozolomide. <i>Journal of Neuro-Oncology</i> , <b>2019</b> , 142, 69-77	4.8	21
133	Is a reduction in radiation lung volume and dose necessary with paclitaxel chemotherapy for node-positive breast cancer?. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2005</b> , 62, 386-94	4	20
132	Pancreatic neuroendocrine tumors with involved surgical margins: prognostic factors and the role of adjuvant radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2012</b> , 83, e337-43	4	19
131	Volumetric and actuarial analysis of brain necrosis in proton therapy using a novel mixture cure model. <i>Radiotherapy and Oncology</i> , <b>2020</b> , 142, 154-161	5.3	19

130	Proton Stereotactic Radiosurgery for Brain Metastases: A Single-Institution Analysis of 370 Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2018</b> , 101, 820-829	4	17
129	Pretreatment growth rate predicts radiation response in vestibular schwannomas. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2014</b> , 89, 113-9	4	17
128	Clinical outcome of breast cancer occurring after treatment for Hodgkin's lymphoma: case-control analysis. <i>Radiation Oncology</i> , <b>2009</b> , 4, 19	4.2	16
127	Quantification of mediastinal and hilar lymph node movement using four-dimensional computed tomography scan: implications for radiation treatment planning. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2007</b> , 69, 1402-8	4	16
126	A multicenter analysis of abemaciclib after progression on palbociclib in patients (pts) with hormone receptor-positive (HR+)/HER2- metastatic breast cancer (MBC).. <i>Journal of Clinical Oncology</i> , <b>2019</b> , 37, 1057-1057	2.2	16
125	Radiation tolerance of the optic pathway in patients treated with proton and photon radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2019</b> , 131, 112-119	5.3	16
124	Clinical Impact of Tumor Mutational Burden in Neuroblastoma. <i>Journal of the National Cancer Institute</i> , <b>2019</b> , 111, 695-699	9.7	16
123	Response to Comment on Reporting and analyzing dose distributions: A concept of equivalent uniform dose [Med Phys. 24, 1323-1324 (1997)]. <i>Medical Physics</i> , <b>1997</b> , 24, 1325-1327	4.4	15
122	Long-term results of adjuvant versus early salvage postprostatectomy radiation: A large single-institutional experience. <i>Practical Radiation Oncology</i> , <b>2017</b> , 7, e125-e133	2.8	14
121	Local failure in parameningeal rhabdomyosarcoma correlates with poor response to induction chemotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2015</b> , 92, 358-67	4	14
120	Factors associated with involvement of four or more axillary nodes for sentinel lymph node-positive patients. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2006</b> , 65, 40-4	4	14
119	The use of variable grid spacing to accelerate dose calculations. <i>Medical Physics</i> , <b>1989</b> , 16, 357-66	4.4	14
118	Blood-based monitoring identifies acquired and targetable driver mutations in endocrine-resistant metastatic breast cancer. <i>Npj Precision Oncology</i> , <b>2019</b> , 3, 18	9.8	13
117	Low-dose neoadjuvant external beam radiation therapy for soft tissue sarcoma. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2011</b> , 80, 779-86	4	13
116	Risk stratification by somatic mutation burden in Ewing sarcoma. <i>Cancer</i> , <b>2019</b> , 125, 1357-1364	6.4	13
115	Evaluation of radiation-induced cardiac toxicity in breast cancer patients treated with Trastuzumab-based chemotherapy. <i>Breast Cancer Research and Treatment</i> , <b>2019</b> , 174, 179-185	4.4	13
114	Adjuvant Radiation Therapy Versus Surveillance After Surgical Resection of Atypical Meningiomas. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2021</b> , 109, 252-266	4	13
113	The impact of different stereotactic radiation therapy regimens for brain metastases on local control and toxicity. <i>Advances in Radiation Oncology</i> , <b>2017</b> , 2, 391-397	3.3	12



112	Models of care and NCCN guideline adherence in very-low-risk prostate cancer. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , <b>2013</b> , 11, 1364-72	7.3	12
111	Modeling intracranial second tumor risk and estimates of clinical toxicity with various radiation therapy techniques for patients with pituitary adenoma. <i>Technology in Cancer Research and Treatment</i> , <b>2011</b> , 10, 243-51	2.7	11
110	The role of medical physicists and the AAPM in the development of treatment planning and optimization. <i>Medical Physics</i> , <b>2008</b> , 35, 4911-23	4.4	11
109	Radiobiological Models of Tissue Response to Radiation in Treatment Planning Systems. <i>Tumori</i> , <b>1998</b> , 84, 140-143	1.7	11
108	Comments on "Sampling techniques for the evaluation of treatment plans" [Med. Phys. 20, 151-161 (1993)]. <i>Medical Physics</i> , <b>1993</b> , 20, 1377-80; author reply 1381-5	4.4	11
107	Brachytherapy as an Adjuvant for Recurrent Atypical and Malignant Meningiomas. <i>Neurosurgery</i> , <b>2019</b> , 85, E910-E916	3.2	10
106	Differences in lung injury after IMRT or proton therapy assessed by FDG PET imaging. <i>Radiotherapy and Oncology</i> , <b>2018</b> , 128, 147-153	5.3	10
105	Potential of 18F-FDG PET toward personalized radiotherapy or chemoradiotherapy in lung cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2013</b> , 40, 832-41	8.8	10
104	Outcomes of proton therapy for the treatment of uveal metastases. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2014</b> , 90, 1044-50	4	10
103	Modern Bridge Bearings and Expansion Joints for Road Bridges. <i>Transportation Research Procedia</i> , <b>2016</b> , 14, 4040-4049	2.4	10
102	Tolerability and Long-term Outcomes of Dose-Painted Neoadjuvant Chemoradiation to Regions of Vessel Involvement in Borderline or Locally Advanced Pancreatic Cancer. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , <b>2018</b> , 41, 656-661	2.7	9
101	Thoracolumbar spinal cord tolerance to high dose conformal proton-photon radiation therapy. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 119, 35-9	5.3	9
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