

# Brian Winey

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4260309/publications.pdf>

Version: 2024-02-01

39  
papers

952  
citations

566801

15  
h-index

454577

30  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Safety and efficacy of stereotactic body radiotherapy as primary treatment for vertebral metastases: a multi-institutional analysis. <i>Radiation Oncology</i> , 2014, 9, 226.	1.2	144
2	Proton dose calculation on scatter-corrected CBCT image: Feasibility study for adaptive proton therapy. <i>Medical Physics</i> , 2015, 42, 4449-4459.	1.6	107
3	Investigating deformable image registration and scatter correction for CBCT-based dose calculation in adaptive IMPT. <i>Medical Physics</i> , 2016, 43, 5635-5646.	1.6	92
4	5850-5857.	1.6	77
5	Re-irradiation stereotactic body radiotherapy for spinal metastases: a multi-institutional outcome analysis. <i>Journal of Neurosurgery: Spine</i> , 2016, 25, 646-653.	0.9	72
6	Evaluation of the interplay effect when using RapidArc to treat targets moving in the craniocaudal or right-left direction. <i>Medical Physics</i> , 2010, 37, 4-11.	1.6	70
7	Evaluation of CBCT scatter correction using deep convolutional neural networks for head and neck adaptive proton therapy. <i>Physics in Medicine and Biology</i> , 2020, 65, 245022.	1.6	44
8	Adaptive proton therapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 22TR01.	1.6	40
9	Evaluation of radiation dose delivered by cone beam CT and tomography employed for setup of external breast irradiation. <i>Medical Physics</i> , 2009, 36, 164-173.	1.6	28
10	Practice patterns of photon and proton pediatric image guided radiation treatment: Results from an International Pediatric Research Consortium. <i>Practical Radiation Oncology</i> , 2014, 4, 336-341.	1.1	28
11	Geometric and dosimetric uncertainties in intracranial stereotactic treatments for multiple nonisocentric lesions. <i>Journal of Applied Clinical Medical Physics</i> , 2014, 15, 122-132.	0.8	28
12	Mapping <sup>150</sup> Production Rate for Proton Therapy Verification. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 453-459.	0.4	23
13	A fast double template convolution isocenter evaluation algorithm with subpixel accuracy. <i>Medical Physics</i> , 2010, 38, 223-227.	1.6	22
14	Water equivalent path length calculations using scatter-corrected head and neck CBCT images to evaluate patients for adaptive proton therapy. <i>Physics in Medicine and Biology</i> , 2017, 62, 59-72.	1.6	22
15	Practice patterns of palliative radiation therapy in pediatric oncology patients in an international pediatric research consortium. <i>Pediatric Blood and Cancer</i> , 2017, 64, e26589.	0.8	19
16	A multi-national report on methods for institutional credentialing for spine radiosurgery. <i>Radiation Oncology</i> , 2013, 8, 158.	1.2	13
17	Beam angle optimization using angular dependency of range variation assessed via water equivalent path length (WEPL) calculation for head and neck proton therapy. <i>Physica Medica</i> , 2020, 69, 19-27.	0.4	10
18	A Recommendation on How to Analyze In-Room PET for In Vivo Proton Range Verification Using a Distal PET Surface Method. <i>Technology in Cancer Research and Treatment</i> , 2015, 14, 320-325.	0.8	9

#	ARTICLE	IF	CITATIONS
19	Risk for surgical complications after previous stereotactic body radiotherapy of the spine. <i>Radiation Oncology</i> , 2017, 12, 153.	1.2	9
20	Semi-automated IGRT QA using a cone-shaped scintillator screen detector for proton pencil beam scanning treatments. <i>Physics in Medicine and Biology</i> , 2019, 64, 085004.	1.6	9
21	Evaluation of an a priori scatter correction algorithm for cone-beam computed tomography based range and dose calculations in proton therapy. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 16, 89-94.	1.2	9
22	Immobilization precision of a modified GTC frame. <i>Journal of Applied Clinical Medical Physics</i> , 2012, 13, 12-19.	0.8	8
23	Practice Patterns of Stereotactic Radiotherapy in Pediatrics: Results From an International Pediatric Research Consortium. <i>Journal of Pediatric Hematology/Oncology</i> , 2018, 40, 522-526.	0.3	8
24	Automatic diaphragm segmentation for real-time lung tumor tracking on cone-beam CT projections: a convolutional neural network approach. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 035005.	0.6	8
25	Radiation recall myositis in pediatric Ewing sarcoma. <i>Pediatric Blood and Cancer</i> , 2012, 59, 570-572.	0.8	7
26	Feasibility of Using Distal Endpoints for In-Room PET Range Verification of Proton Therapy. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 3290-3297.	1.2	7
27	Guaranteed epsilon-optimal treatment plans with the minimum number of beams for stereotactic body radiation therapy. <i>Physics in Medicine and Biology</i> , 2013, 58, 5931-5944.	1.6	6
28	Long-term stability and mechanical characteristics of kV digital imaging system for proton radiotherapy. <i>Medical Physics</i> , 2014, 41, 041706.	1.6	6
29	Influence of imaging source and panel position uncertainties on the accuracy of 2D/3D image registration of cranial images. <i>Medical Physics</i> , 2012, 39, 5547-5556.	1.6	5
30	Using four-dimensional computed tomography images to optimize the internal target volume when using volume-modulated arc therapy to treat moving targets. <i>Journal of Applied Clinical Medical Physics</i> , 2012, 13, 181-188.	0.8	5
31	Feasibility of using distal endpoints for In-room PET Range Verification of Proton Therapy. , 2012, 60, 3290-3297.		4
32	Proton Treatment Planning. <i>Practical Guides in Radiation Oncology</i> , 2018, , 45-105.	0.0	3
33	Kilovoltage projection streaming-based tracking application (KiPSTA): First clinical implementation during spine stereotactic radiation surgery. <i>Advances in Radiation Oncology</i> , 2018, 3, 682-692.	0.6	3
34	Oximetry considerations in the small source detector separation limit. , 2006, 2006, 1941-3.		2
35	Effect of respiratory trace shape on optimal treatment margin. <i>Medical Physics</i> , 2011, 38, 3125-3129.	1.6	2
36	Core Physics Competencies for Proton Therapy Training of Radiation Oncology and Medical Physics Residents and Fellows. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 971-972.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Postoperative Stereotactic Radiosurgery for Spinal Metastases: Clinical Outcomes, Failures, and Analysis of Local Control. <i>Neurosurgery</i> , 2019, 66, .	0.6	1
38	TH-B-213-00: Spine SBRT. <i>Medical Physics</i> , 2015, 42, 3721-3721.	1.6	0
39	Oximetry considerations in the small source detector separation limit. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0