Jenny Bertholet

List of Publications by Year
in descending order

42 papers	723 citations	528359 15 h-index	537477 26 g-index
46 all docs	46 docs citations	46 times ranked	1018 citing authors

#	Article	IF	Citations
1	Respiratory motion modelling for MR-guided lung cancer radiotherapy: model development and geometric accuracy evaluation. Physics in Medicine and Biology, 2024, 69, 055009.	3.0	0
2	Organs-at-risk dose and normal tissue complication probability with dynamic trajectory radiotherapy (DTRT) for head and neck cancer. Radiotherapy and Oncology, 2024, 195, 110237.	0.6	1
3	Membership Data From Scientific and Professional Societies: An Ally in the Quest to Improve the Retention of Women in Medical Physics and Radiation Oncology Societies. International Journal of Radiation Oncology Biology Physics, 2024, 119, 1344-1346.	0.8	0
4	A survey of practice patterns for real-time intrafractional motion-management in particle therapy. Physics and Imaging in Radiation Oncology, 2023, 26, 100439.	2.8	3
5	Technical note: Feasibility of gating for dynamic trajectory radiotherapy â€“ Mechanical accuracy and dosimetric performance. Medical Physics, 2023, 50, 6535-6542.	2.9	3
6	The 3rd ESTRO-EFOMP core curriculum for medical physics experts in radiotherapy. Radiotherapy and Oncology, 2022, 170, 89-94.	0.6	12
7	Development of a Monte Carlo based robustness calculation and evaluation tool. Medical Physics, 2022, 49, 4780-4793.	2.9	5
8	Establishing a benchmark of diversity, equity, inclusion and workforce engagement in radiation oncology in Europe â€“ An ESTRO collaborative project. Radiotherapy and Oncology, 2022, 171, 198-204.	0.6	6
9	Organ-at-risk sparing with dynamic trajectory radiotherapy for head and neck cancer: comparison with volumetric arc therapy on a publicly available library of cases. Radiation Oncology, 2022, 17, .	2.7	5
10	Enabling non-isocentric dynamic trajectory radiotherapy by integration of dynamic table translations. Physics in Medicine and Biology, 2022, 67, 175003.	3.0	7
11	An impact model to understand and improve work-life balance in early-career researchers in radiation oncology. Clinical and Translational Radiation Oncology, 2022, 37, 101-108.	1.8	1
12	Gender-related and geographic trends in interactions between radiotherapy professionals on Twitter. Physics and Imaging in Radiation Oncology, 2022, 24, 129-135.	2.8	0
13	Towards an updated ESTRO-EFOMP core curriculum for education and training of medical physics experts in radiotherapy â€“ A survey of current education and training practice in Europe. Physica Medica, 2021, 84, 65-71.	0.7	9
14	Alexithymia and professional quality of life in radiation oncology: The moderator effect of the professional profile. Radiotherapy and Oncology, 2021, 158, 48-54.	0.6	5
15	Advances in Image-Guided Adaptive Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2021, 110, 625-628.	0.8	5
16	Professional practice changes in radiotherapy physics during the COVID-19 pandemic. Physics and Imaging in Radiation Oncology, 2021, 19, 25-32.	2.8	5
17	Image-guided Radiotherapy to Manage Respiratory Motion: Lung and Liver. Clinical Oncology, 2020, 32, 792-804.	1.4	38
18	Professional quality of life and burnout among medical physicists working in radiation oncology: The role of alexithymia and empathy. Physics and Imaging in Radiation Oncology, 2020, 15, 38-43.	2.8	24

#	Article	IF	Citations
19	The role of alexithymia and empathy on radiation therapistsâ€™ professional quality of life. Technical Innovations and Patient Support in Radiation Oncology, 2020, 15, 29-36.	2.0	11
20	Professional quality of life and burnout amongst radiation oncologists: The impact of alexithymia and empathy. Radiotherapy and Oncology, 2020, 147, 162-168.	0.6	25
21	Consistent and invertible deformation vector fields for a breathing anthropomorphic phantom: a post-processing framework for the XCAT phantom. Physics in Medicine and Biology, 2020, 65, 165005.	3.0	18
22	Patterns of practice for adaptive and real-time radiation therapy (POP-ART RT) part I: Intra-fraction breathing motion management. Radiotherapy and Oncology, 2020, 153, 79-87.	0.6	40
23	Conducting research in Radiation Oncology remotely during the COVID-19 pandemic: Coping with isolation. Clinical and Translational Radiation Oncology, 2020, 24, 53-59.	1.8	15
24	Patterns of practice for adaptive and real-time radiation therapy (POP-ART RT) part II: Offline and online plan adaption for interfractional changes. Radiotherapy and Oncology, 2020, 153, 88-96.	0.6	59
25	Automatic reconstruction of the delivered dose of the day using MR-linac treatment log files and online MR imaging. Radiotherapy and Oncology, 2020, 145, 88-94.	0.6	55
26	First clinical real-time motion-including tumor dose reconstruction during radiotherapy delivery. Radiotherapy and Oncology, 2019, 139, 66-71.	0.6	22
27	Real-time intrafraction motion monitoring in external beam radiotherapy. Physics in Medicine and Biology, 2019, 64, 15TR01.	3.0	141
28	Setup strategies and uncertainties in esophageal radiotherapy based on detailed intra- and interfractional tumor motion mapping. Radiotherapy and Oncology, 2019, 136, 161-168.	0.6	19
29	Comparison of the dose escalation potential for two hypofractionated radiotherapy regimens for locally advanced pancreatic cancer. Clinical and Translational Radiation Oncology, 2019, 16, 21-27.	1.8	4
30	In Reply to Dahele and Verbakel. International Journal of Radiation Oncology Biology Physics, 2019, 103, 283-284.	0.8	1
31	Review of Real-Time 3-Dimensional Image Guided Radiation Therapy on Standard-Equipped Cancer Radiation Therapy Systems: Are We at the Tipping Point for the Era of Real-Time Radiation Therapy?. International Journal of Radiation Oncology Biology Physics, 2018, 102, 922-931.	0.8	48
32	Automatic online and real-time tumour motion monitoring during stereotactic liver treatments on a conventional linac by combined optical and sparse monoscopic imaging with kilovoltage x-rays (COSMIK). Physics in Medicine and Biology, 2018, 63, 055012.	3.0	20
33	An interdimensional correlation framework for real-time estimation of six degree of freedom target motion using a single x-ray imager during radiotherapy. Physics in Medicine and Biology, 2018, 63, 015010.	3.0	4
34	OC-0631: First clinical demonstration of online real-time liver tumor motion monitoring on a standard linac. Radiotherapy and Oncology, 2018, 127, S335-S336.	0.6	0
35	Fully automatic segmentation of arbitrarily shaped fiducial markers in cone-beam CT projections. Physics in Medicine and Biology, 2017, 62, 1327-1341.	3.0	13
36	Cone beam CT-based set-up strategies with and without rotational correction for stereotactic body radiation therapy in the liver. Acta OncolÃ³gica, 2017, 56, 860-866.	1.9	18

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37	Determination of the radiance of cylindrical light diffusers: design of a one-axis charge-coupled device camera-based goniometer setup. Journal of Biomedical Optics, 2017, 22, 035004.	2.8	4
38	Automated patient setup and gating using cone beam computed tomography projections. Physics in Medicine and Biology, 2016, 61, 2552-2561.	3.0	6
39	Time-Resolved Intrafraction Target Translations and Rotations During Stereotactic Liver Radiation Therapy: Implications for Marker-based Localization Accuracy. International Journal of Radiation Oncology Biology Physics, 2016, 95, 802-809.	0.8	44
40	Fiducial marker guided stereotactic liver radiotherapy: Is a time delay between marker implantation and planning CT needed?. Radiotherapy and Oncology, 2016, 121, 75-78.	0.6	24
41	Robust optimization and assessment of dynamic trajectory and mixed-beam arc radiotherapy: apreliminary study. Physics in Medicine and Biology, 0, , .	3.0	0
42	A dosimetrically motivated pathï¬nding approach for non-isocentric dynamic trajectory radiotherapy. Physics in Medicine and Biology, 0, , .	3.0	0