JÃ¸rgen Breede Baltzer Petersen

List of Publications by Year
in descending order

40 papers	786 citations	471061 17 h-index	525886 27 g-index
40 all docs	40 docs citations	40 times ranked	1049 citing authors

#	ARTICLE	IF	CITATIONS
1	Two compound techniques for total body irradiation. Technical Innovations and Patient Support in Radiation Oncology, 2022, 21, 1-7.	0.6	2
2	Impact of curing conditions on basic dosimetric properties of silicone-based radiochromic dosimeters for photon and proton irradiation. Acta OncolÃ³gica, 2022, 61, 264-268.	0.8	10
3	Towards range-guidance in proton therapy to detect organ motion-induced dose degradations. Biomedical Physics and Engineering Express, 2022, , .	0.6	1
4	Impact of interfractional target motion in locally advanced cervical cancer patients treated with spot scanning proton therapy using an internal target volume strategy. Physics and Imaging in Radiation Oncology, 2021, 17, 84-90.	1.2	4
5	Empirical quenching correction in radiochromic silicone-based three-dimensional dosimetry of spot-scanning proton therapy. Physics and Imaging in Radiation Oncology, 2021, 18, 11-18.	1.2	11
6	The Danish Head and Neck Cancer Group (DAHANCA) 2020 radiotherapy guidelines. Radiotherapy and Oncology, 2020, 151, 149-151.	0.3	49
7	Evaluation of an a priori scatter correction algorithm for cone-beam computed tomography based range and dose calculations in proton therapy. Physics and Imaging in Radiation Oncology, 2020, 16, 89-94.	1.2	9
8	Dose response of three-dimensional silicone-based radiochromic dosimeters for photon irradiation in the presence of a magnetic field. Physics and Imaging in Radiation Oncology, 2020, 16, 81-84.	1.2	7
9	Dose-response of deformable radiochromic dosimeters for spot scanning proton therapy. Physics and Imaging in Radiation Oncology, 2020, 16, 134-137.	1.2	15
10	Hepatic regeneration following radiation-induced liver injury is associated with increased hepatobiliary secretion measured by PET in GÃ¶ttingen minipigs. Scientific Reports, 2020, 10, 10858.	1.6	4
11	Robustness of elective lymph node target coverage with shrinking Planning Target Volume margins in external beam radiotherapy of locally advanced cervical cancer. Physics and Imaging in Radiation Oncology, 2019, 11, 9-15.	1.2	4
12	Pelvic insufficiency fractures, dose volume parameters and plan optimization after radiotherapy for rectal cancer. Clinical and Translational Radiation Oncology, 2019, 19, 72-76.	0.9	11
13	On-line dose-guidance to account for inter-fractional motion during proton therapy. Physics and Imaging in Radiation Oncology, 2019, 9, 7-13.	1.2	7
14	Local recurrences after curative IMRT for HNSCC: Effect of different GTV to high-dose CTV margins. Radiotherapy and Oncology, 2018, 126, 48-55.	0.3	41
15	Inter-centre variability of CT-based stopping-power prediction in particle therapy: Survey-based evaluation. Physics and Imaging in Radiation Oncology, 2018, 6, 25-30.	1.2	53
16	Comparison of single and dual energy CT for stopping power determination in proton therapy of head and neck cancer. Physics and Imaging in Radiation Oncology, 2018, 6, 14-19.	1.2	28
17	Validation of proton stopping power ratio estimation based on dual energy CT using fresh tissue samples. Physics in Medicine and Biology, 2018, 63, 015012.	1.6	54
18	Consequences of introducing geometric GTV to CTV margin expansion in DAHANCA contouring guidelines for head and neck radiotherapy. Radiotherapy and Oncology, 2018, 126, 43-47.	0.3	48

#	Article	IF	Citations
19	Validation of fast motion-including dose reconstruction for proton scanning therapy in the liver. Physics in Medicine and Biology, 2018, 63, 225021.	1.6	5
20	Theoretical and experimental analysis of photon counting detector CT for proton stopping power prediction. Medical Physics, 2018, 45, 5186-5196.	1.6	11
21	A biological modelling based comparison of radiotherapy plan robustness using photons vs protons for focal prostate boosting. Physics and Imaging in Radiation Oncology, 2018, 6, 101-105.	1.2	4
22	Chemically tuned linear energy transfer dependent quenching in a deformable, radiochromic 3D dosimeter. Physics in Medicine and Biology, 2017, 62, N73-N89.	1.6	17
23	Functional image-guided dose escalation in gliomas using of state-of-the-art photon vs. proton therapy. Acta OncolÃ³gica, 2017, 56, 826-831.	0.8	4
24	Evaluating the influence of organ motion during photon vs. proton therapy for locally advanced prostate cancer using biological models. Acta OncolÃ³gica, 2017, 56, 839-845.	0.8	6
25	2-[18F]fluoro-2-deoxy-d-galactose positron emission tomography guided functional treatment planning of stereotactic body radiotherapy of liver tumours. Physics and Imaging in Radiation Oncology, 2017, 1, 28-33.	1.2	8
26	Impact of bowel gas and body outline variations on total accumulated dose with intensity-modulated proton therapy in locally advanced cervical cancer patients. Acta OncolÃ³gica, 2017, 56, 1472-1478.	0.8	18
27	Biological dose and complication probabilities for the rectum and bladder based on linear energy transfer distributions in spot scanning proton therapy of prostate cancer. Acta OncolÃ³gica, 2017, 56, 1413-1419.	0.8	19
28	Technical Note: Improving proton stopping power ratio determination for a deformable siliconeâ€based 3D dosimeter using dual energy CT. Medical Physics, 2016, 43, 2780-2784.	1.6	11
29	A robust empirical parametrization of proton stopping power using dual energy CT. Medical Physics, 2016, 43, 5547-5560.	1.6	45
30	A simulation study on proton computed tomography (CT) stopping power accuracy using dual energy CT scans as benchmark. Acta OncolÃ³gica, 2015, 54, 1638-1642.	0.8	53
31	Quality assurance of radiation therapy for head and neck cancer patients treated in DAHANCA 10 randomized trial. Acta OncolÃ³gica, 2015, 54, 1669-1673.	0.8	23
32	External validation of a normal tissue complication probability model for radiation-induced hypothyroidism in an independent cohort. Acta OncolÃ³gica, 2015, 54, 1301-1309.	0.8	24
33	A method for evaluation of proton plan robustness towards inter-fractional motion applied to pelvic lymph node irradiation. Acta OncolÃ³gica, 2015, 54, 1643-1650.	0.8	20
34	Pseudoprogression after proton radiotherapy for pediatric low grade glioma. Acta OncolÃ³gica, 2015, 54, 1701-1702.	0.8	9
35	Improved proton computed tomography by dual modality image reconstruction. Medical Physics, 2014, 41, 031904.	1.6	16
36	An adaptive radiotherapy planning strategy for bladder cancer using deformation vector fields. Radiotherapy and Oncology, 2014, 112, 371-375.	0.3	15

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37	Investigation of nanoscale structures by small-angle X-ray scattering in a radiochromic dosimeter. RSC Advances, 2014, 4, 9152.	1.7	3
38	Kilovoltage intrafraction motion monitoring and target dose reconstruction for stereotactic volumetric modulated arc therapy of tumors in the liver. Radiotherapy and Oncology, 2014, 111, 424-430.	0.3	47
39	Temperature and temporal dependence of the optical response for a radiochromic dosimeter. Medical Physics, 2012, 39, 7232-7236.	1.6	18
40	Normal liver tissue sparing by intensity-modulated proton stereotactic body radiotherapy for solitary liver tumours. Acta OncolÃ³gica, 2011, 50, 823-828.	0.8	52