Kristian Smeland Ytre-Hauge

List of Publications by Year
in descending order

22	362	933447 10	794594 19
papers	citations	h-index	g-index

23	23	23	432
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spatial Agreement of Brainstem Dose Distributions Depending on Biological Model in Proton Therapy for Pediatric Brain Tumors. Advances in Radiation Oncology, 2021, 6, 100551.	1.2	3
2	Variation in relative biological effectiveness for cognitive structures in proton therapy of pediatric brain tumors. Acta OncolÃ³gica, 2021, 60, 267-274.	1.8	6
3	The Organ Sparing Potential of Different Biological Optimization Strategies in Proton Therapy. Advances in Radiation Oncology, 2021, 6, 100776.	1.2	5
4	Plan Selection in Proton Therapy of Locally Advanced Prostate Cancer with Simultaneous Treatment of Multiple Targets. International Journal of Radiation Oncology Biology Physics, 2020, 106, 630-638.	0.8	3
5	The FLUKA Monte Carlo code coupled with an OER model for biologically weighted dose calculations in proton therapy of hypoxic tumors. Physica Medica, 2020, 76, 166-172.	0.7	13
6	Inter-patient variations in relative biological effectiveness for cranio-spinal irradiation with protons. Scientific Reports, 2020, 10, 6212.	3.3	8
7	Microdosimetry with a 3D silicon on insulator (SOI) detector in a low energy proton beamline. Radiation Physics and Chemistry, 2020, 176, 109078.	2.8	8
8	Implementation of a double scattering nozzle for Monte Carlo recalculation of proton plans with variable relative biological effectiveness. Physics in Medicine and Biology, 2020, 65, 225033.	3.0	3
9	The experimental dose ranges influence the LET_d dependency of the proton minimum RBE (RBE_{min}). Physics in Medicine and Biology, 2019, 64, 195001.	3.0	4
10	First application of a novel SRAM-based neutron detector for proton therapy. Radiation Measurements, 2019, 122, 45-52.	1.4	4
11	A Monte Carlo feasibility study for neutron based real-time range verification in proton therapy. Scientific Reports, 2019, 9, 2011.	3.3	11
12	Sensitivity study of the microdosimetric kinetic model parameters for carbon ion radiotherapy. Physics in Medicine and Biology, 2018, 63, 225016.	3.0	9
13	Exploration and application of phenomenological RBE models for proton therapy. Physics in Medicine and Biology, 2018, 63, 185013.	3.0	86
14	Monte Carlo simulations of a low energy proton beamline for radiobiological experiments. Acta OncolÃ³gica, 2017, 56, 779-786.	1.8	24
15	Linear energy transfer distributions in the brainstem depending on tumour location in intensity-modulated proton therapy of paediatric cancer. Acta OncolÃ³gica, 2017, 56, 763-768.	1.8	36
16	A phenomenological biological dose model for proton therapy based on linear energy transfer spectra. Medical Physics, 2017, 44, 2586-2594.	3.0	33
17	The influence of inter-fractional anatomy variation on secondary cancer risk estimates following radiotherapy. Physica Medica, 2017, 42, 271-276.	0.7	3
18	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.	1.8	19

#	Article	IF	Citations
19	Modelling of organ-specific radiation-induced secondary cancer risks following particle therapy. Radiotherapy and Oncology, 2016, 120, 300-306.	0.6	14
20	Design and characterization of an SRAM-based neutron detector for particle therapy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 804, 64-71.	1.6	9
21	Risk of radiation-induced secondary rectal and bladder cancer following radiotherapy of prostate cancer. Acta OncolÃ³gica, 2015, 54, 1317-1325.	1.8	19
22	Estimated risk of radiation-induced cancer following paediatric cranio-spinal irradiation with electron, photon and proton therapy. Acta OncolÃ³gica, 2014, 53, 1048-1057.	1.8	41