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	Exploration and application of phenomenological RBE models for proton therapy. Physics in Medicine and Biology, 2018, 63, 185013.	3.0	86
2	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
3	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
4	A phenomenological biological dose model for proton therapy based on linear energy transfer spectra. Medical Physics, 2017, 44, 2586-2594.	3.0	33
5	Monte Carlo simulations of a low energy proton beamline for radiobiological experiments. Acta OncolÃ³gica, 2017, 56, 779-786.	1.8	24
6	Risk of radiation-induced secondary rectal and bladder cancer following radiotherapy of prostate cancer. Acta OncolÃ³gica, 2015, 54, 1317-1325.	1.8	19
7	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
8	Modelling of organ-specific radiation-induced secondary cancer risks following particle therapy. Radiotherapy and Oncology, 2016, 120, 300-306.	0.6	14
9	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
10	A Monte Carlo feasibility study for neutron based real-time range verification in proton therapy. Scientific Reports, 2019, 9, 2011.	3.3	11
11	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
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	Inter-patient variations in relative biological effectiveness for cranio-spinal irradiation with protons. Scientific Reports, 2020, 10, 6212.	3.3	8
14	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
15	Variation in relative biological effectiveness for cognitive structures in proton therapy of pediatric brain tumors. Acta OncolÃ³gica, 2021, 60, 267-274.	1.8	6
16	The Organ Sparing Potential of Different Biological Optimization Strategies in Proton Therapy. Advances in Radiation Oncology, 2021, 6, 100776.	1.2	5
17	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
18	First application of a novel SRAM-based neutron detector for proton therapy. Radiation Measurements, 2019, 122, 45-52.	1.4	4

#	Article	IF	Citations
19	The influence of inter-fractional anatomy variation on secondary cancer risk estimates following radiotherapy. Physica Medica, 2017, 42, 271-276.	0.7	3
20	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
21	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
22	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