JÃ¶rg Wulff

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1561938/publications.pdf

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28	651	759233 12	580821 25
papers	citations	h-index	g-index

30	30	30	374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficiency improvements for ion chamber calculations in high energy photon beams. Medical Physics, 2008, 35, 1328-1336.	3.0	185
2	Monte-Carlo-based perturbation and beam quality correction factors for thimble ionization chambers in high-energy photon beams. Physics in Medicine and Biology, 2008, 53, 2823-2836.	3.0	94
3	Investigation of systematic uncertainties in Monte Carlo-calculated beam quality correction factors. Physics in Medicine and Biology, 2010, 55, 4481-4493.	3.0	62
4	Consistency in reference radiotherapy dosimetry: resolution of an apparent conundrum when⁶⁰Co is the reference quality for charged-particle and photon beams. Physics in Medicine and Biology, 2013, 58, 6593-6621.	3.0	50
5	Monte Carlo calculations of beam quality correction factorsk_Qfor electron dosimetry with a parallel-plate Roos chamber. Physics in Medicine and Biology, 2008, 53, 1595-1607.	3.0	36
6	Beam quality corrections for parallel-plate ion chambers in electron reference dosimetry. Physics in Medicine and Biology, 2012, 57, 1831-1854.	3.0	34
7	TOPAS/Geant4 configuration for ionization chamber calculations in proton beams. Physics in Medicine and Biology, 2018, 63, 115013.	3.0	28
8	Collimated proton pencil-beam scanning for superficial targets: impact of the order of range shifter and aperture. Physics in Medicine and Biology, 2018, 63, 085020.	3.0	24
9	Single pencil beam benchmark of a module for Monte Carlo simulation of proton transport in the PENELOPE code. Medical Physics, 2021, 48, 456-476.	3.0	16
10	Stereotactical fields applied in proton spot scanning mode with range shifter and collimating aperture. Physics in Medicine and Biology, 2019, 64, 155003.	3.0	15
11	Measurement of absolute activation cross sections from carbon and aluminum for proton therapy. Nuclear Instruments & Methods in Physics Research B, 2019, 440, 75-81.	1.4	15
12	Motion effects in proton treatments of hepatocellular carcinomaâ€"4D robustly optimised pencil beam scanning plans versus double scattering plans. Physics in Medicine and Biology, 2018, 63, 235006.	3.0	14
13	Clinical Implementation of Proton Therapy Using Pencil-Beam Scanning Delivery Combined With Static Apertures. Frontiers in Oncology, 2021, 11, 599018.	2.8	12
14	Feasibility of Proton Beam Therapy as a Rescue Therapy in Heavily Pre-Treated Retinoblastoma Eyes. Cancers, 2021, 13, 1862.	3.7	7
15	GMctdospp: Description and validation of a CT dose calculation system. Medical Physics, 2015, 42, 4260-4270.	3.0	6
16	Determination of surface dose in pencil beam scanning proton therapy. Medical Physics, 2020, 47, 2277-2288.	3.0	6
17	Results of an independent dosimetry audit for scanned proton beam therapy facilities. Zeitschrift Fur Medizinische Physik, 2021, 31, 145-153.	1.5	6
18	Impact of air gap, range shifter, and delivery technique on skin dose in proton therapy. Medical Physics, 2021, 48, 831-840.	3.0	6

#	Article	IF	Citations
19	Technical note: Impact of beam properties for uveal melanoma proton therapyâ€"An in silico planning study. Medical Physics, 2022, 49, 3481-3488.	3.0	6
20	Experiments and Monte Carlo simulations on multiple Coulomb scattering of protons. Medical Physics, 2021, 48, 3186-3199.	3.0	5
21	Mitigation of motion effects in pencil-beam scanning â€“ Impact of repainting on 4D robustly optimized proton treatment plans for hepatocellular carcinoma. Zeitschrift Fur Medizinische Physik, 2022, 32, 63-73.	1.5	4
22	Technical Note: Investigating interplay effects in pencil beam scanning proton therapy with a 4D XCAT phantom within the RayStation treatment planning system. Medical Physics, 2021, 48, 1448-1455.	3.0	4
23	TU-E-304A-07: Fast Kerma-Based Patient Dose Calculations in Diagnostic Radiology Using EGSnrc. Medical Physics, 2009, 36, 2748-2749.	3.0	4
24	The radiosensitizing effect of platinum nanoparticles in proton irradiations is not caused by an enhanced proton energy deposition at the macroscopic scale. Physics in Medicine and Biology, 2022, 67, 155023.	3.0	3
25	Estimating the modulating effect of lung tissue in particle therapy using a clinical CT voxel histogram analysis. Physics in Medicine and Biology, 2021, 66, 185002.	3.0	2
26	Can a ToF-PET photon attenuation reconstruction test stopping-power estimations in proton therapy? A phantom study. Physics in Medicine and Biology, 2021, 66, 215010.	3.0	2
27	Technical Note: Providing proton fields down to the fewâ€MeV level at clinical pencil beam scanning facilities for radiobiological experiments. Medical Physics, 2021, , .	3.0	1
28	Dosimetric feasibility of moderately hypofractionated/dose escalated radiation therapy for localised prostate cancer with intensity-modulated proton beam therapy using simultaneous integrated boost (SIB-IMPT) and impact of hydrogel prostate-rectum spacer. Radiation Oncology, 2022, 17, 64.	2.7	1