Peter Kuess

List of Publications by Year
in descending order

24 papers	464 citations	687363 13 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	714 citing authors

#	Article	IF	Citations
1	An MRI sequence independent convolutional neural network for synthetic head CT generation in proton therapy. Zeitschrift Fur Medizinische Physik, 2022, 32, 218-227.	1.5	9
2	Reply to comment on â€˜Lateral response heterogeneity of Bragg peak ionization chambers for narrow-beam photon and proton dosimetryâ€™. Physics in Medicine and Biology, 2021, 66, 168001.	3.0	0
3	Characterization of the PTW-34089 type 147 mm diameter large-area ionization chamber for use in light-ion beams. Physics in Medicine and Biology, 2020, 65, 17NT02.	3.0	5
4	Investigating conditional GAN performance with different generator architectures, an ensemble model, and different MR scanners for MR-sCT conversion. Physics in Medicine and Biology, 2020, 65, 105004.	3.0	20
5	Reply to Comment on â€˜Lateral response heterogeneity of Bragg peak ionization chambers for narrow-beam photon and proton dosimetryâ€™. Physics in Medicine and Biology, 2019, 64, 198002.	3.0	2
6	Characteristic of EBT-XD and EBT3 radiochromic film dosimetry for photon and proton beams. Physics in Medicine and Biology, 2018, 63, 065007.	3.0	62
7	The impact of the oxygen scavenger on the dose-rate dependence and dose sensitivity of MAGIC type polymer gels. Physics in Medicine and Biology, 2018, 63, 06NT01.	3.0	13
8	Density estimation of grey-level co-occurrence matrices for image texture analysis. Physics in Medicine and Biology, 2018, 63, 195017.	3.0	10
9	Lateral response heterogeneity of Bragg peak ionization chambers for narrow-beam photon and proton dosimetry. Physics in Medicine and Biology, 2017, 62, 9189-9206.	3.0	27
10	Association between pathology and texture features of multi parametric MRI of the prostate. Physics in Medicine and Biology, 2017, 62, 7833-7854.	3.0	20
11	Advanced Radiation DOSimetry phantom (ARDOS): a versatile breathing phantom for 4D radiation therapy and medical imaging. Physics in Medicine and Biology, 2017, 62, 8136-8153.	3.0	23
12	Equivalent (uniform) square field sizes of flattening filter free photon beams. Physics in Medicine and Biology, 2017, 62, 7694-7713.	3.0	3
13	Technical Note: On the impact of the incident electron beam energy on the primary dose component of flattening filter free photon beams. Medical Physics, 2016, 43, 4507-4513.	3.0	3
14	A validated tumor control probability model based on a metaâ€analysis of low, intermediate, and highâ€risk prostate cancer patients treated by photon, proton, or carbonâ€ion radiotherapy. Medical Physics, 2016, 43, 734-747.	3.0	17
15	Modulation of radiation-induced oral mucositis by thalidomide. Strahlentherapie Und Onkologie, 2016, 192, 561-568.	2.0	13
16	Feasibility of dominant intraprostatic lesion boosting using advanced photon-, proton- or brachytherapy. Radiotherapy and Oncology, 2015, 117, 509-514.	0.6	25
17	ART for head and neck patients: On the difference between VMAT and IMPT. Acta OncolÃ³gica, 2015, 54, 1166-1174.	1.8	31
18	Systematic analysis on the achievable accuracy of PT-PET through automated evaluation techniques. Zeitschrift Fur Medizinische Physik, 2015, 25, 146-155.	1.5	6

#	Article	IF	Citations
19	Dosimetric challenges of small animal irradiation with a commercial X-ray unit. Zeitschrift Fur Medizinische Physik, 2014, 24, 363-372.	1.5	32
20	Dosimetric Considerations to Determine the Optimal Technique for Localized Prostate Cancer Among ExternalÂPhoton, Proton, or Carbon-Ion Therapy and High-Dose-Rate or Low-Dose-Rate Brachytherapy. International Journal of Radiation Oncology Biology Physics, 2014, 88, 715-722.	0.8	75
21	Is there room for combined modality treatments? Dosimetric comparison of boost strategies for advanced head and neck and prostate cancer. Journal of Radiation Research, 2013, 54, i97-i112.	1.6	5
22	Automated evaluation of setup errors in carbon ion therapy using PET: Feasibility study. Medical Physics, 2013, 40, 121718.	3.0	9
23	Using statistical measures for automated comparison of inâ€beam PET data. Medical Physics, 2012, 39, 5874-5881.	3.0	19
24	On the feasibility of automatic detection of range deviations from in-beam PET data. Physics in Medicine and Biology, 2012, 57, 1387-1397.	3.0	35