

# Peter Kuess

## List of Publications by Year in descending order

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24  
papers

464  
citations

686830

13  
h-index

713013

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dosimetric Considerations to Determine the Optimal Technique for Localized Prostate Cancer Among External-Photon, Proton, or Carbon-Ion Therapy and High-Dose-Rate or Low-Dose-Rate Brachytherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 715-722.	0.4	75
2	Characteristic of EBT-XD and EBT3 radiochromic film dosimetry for photon and proton beams. <i>Physics in Medicine and Biology</i> , 2018, 63, 065007.	1.6	62
3	On the feasibility of automatic detection of range deviations from in-beam PET data. <i>Physics in Medicine and Biology</i> , 2012, 57, 1387-1397.	1.6	35
4	Dosimetric challenges of small animal irradiation with a commercial X-ray unit. <i>Zeitschrift Fur Medizinische Physik</i> , 2014, 24, 363-372.	0.6	32
5	ART for head and neck patients: On the difference between VMAT and IMPT. <i>Acta Oncologica</i> , 2015, 54, 1166-1174.	0.8	31
6	Lateral response heterogeneity of Bragg peak ionization chambers for narrow-beam photon and proton dosimetry. <i>Physics in Medicine and Biology</i> , 2017, 62, 9189-9206.	1.6	27
7	Feasibility of dominant intraprostatic lesion boosting using advanced photon-, proton- or brachytherapy. <i>Radiotherapy and Oncology</i> , 2015, 117, 509-514.	0.3	25
8	Advanced Radiation DOSimetry phantom (ARDOS): a versatile breathing phantom for 4D radiation therapy and medical imaging. <i>Physics in Medicine and Biology</i> , 2017, 62, 8136-8153.	1.6	23
9	Association between pathology and texture features of multi parametric MRI of the prostate. <i>Physics in Medicine and Biology</i> , 2017, 62, 7833-7854.	1.6	20
10	Investigating conditional GAN performance with different generator architectures, an ensemble model, and different MR scanners for MR-sCT conversion. <i>Physics in Medicine and Biology</i> , 2020, 65, 105004.	1.6	20
11	Using statistical measures for automated comparison of in-beam PET data. <i>Medical Physics</i> , 2012, 39, 5874-5881.	1.6	19
12	A validated tumor control probability model based on a meta-analysis of low, intermediate, and high-risk prostate cancer patients treated by photon, proton, or carbon-ion radiotherapy. <i>Medical Physics</i> , 2016, 43, 734-747.	1.6	17
13	Modulation of radiation-induced oral mucositis by thalidomide. <i>Strahlentherapie Und Onkologie</i> , 2016, 192, 561-568.	1.0	13
14	The impact of the oxygen scavenger on the dose-rate dependence and dose sensitivity of MAGIC type polymer gels. <i>Physics in Medicine and Biology</i> , 2018, 63, 06NT01.	1.6	13
15	Density estimation of grey-level co-occurrence matrices for image texture analysis. <i>Physics in Medicine and Biology</i> , 2018, 63, 195017.	1.6	10
16	Automated evaluation of setup errors in carbon ion therapy using PET: Feasibility study. <i>Medical Physics</i> , 2013, 40, 121718.	1.6	9
17	An MRI sequence independent convolutional neural network for synthetic head CT generation in proton therapy. <i>Zeitschrift Fur Medizinische Physik</i> , 2022, 32, 218-227.	0.6	9
18	Systematic analysis on the achievable accuracy of PT-PET through automated evaluation techniques. <i>Zeitschrift Fur Medizinische Physik</i> , 2015, 25, 146-155.	0.6	6

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19	Is there room for combined modality treatments? Dosimetric comparison of boost strategies for advanced head and neck and prostate cancer. <i>Journal of Radiation Research</i> , 2013, 54, i97-i112.	0.8	5
20	Characterization of the PTW-34089 type 147 mm diameter large-area ionization chamber for use in light-ion beams. <i>Physics in Medicine and Biology</i> , 2020, 65, 17NT02.	1.6	5
21	Technical Note: On the impact of the incident electron beam energy on the primary dose component of flattening filter free photon beams. <i>Medical Physics</i> , 2016, 43, 4507-4513.	1.6	3
22	Equivalent (uniform) square field sizes of flattening filter free photon beams. <i>Physics in Medicine and Biology</i> , 2017, 62, 7694-7713.	1.6	3
23	Reply to Comment on "Lateral response heterogeneity of Bragg peak ionization chambers for narrow-beam photon and proton dosimetry". <i>Physics in Medicine and Biology</i> , 2019, 64, 198002.	1.6	2
24	Reply to comment on "Lateral response heterogeneity of Bragg peak ionization chambers for narrow-beam photon and proton dosimetry". <i>Physics in Medicine and Biology</i> , 2021, 66, 168001.	1.6	0