

# Wolfgang Lechner

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

521  
citations

840585

11  
h-index

752573

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

528  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cone beam CT based validation of neural network generated synthetic CTs for radiotherapy in the head region. <i>Medical Physics</i> , 2021, 48, 4560-4571.	1.6	10
2	Comparing the efficacy of $\hat{\gamma}$ - and electron-irradiation of PBMCs to promote secretion of paracrine, regenerative factors. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 21, 14-27.	1.8	2
3	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
4	The influence of errors in small field dosimetry on the dosimetric accuracy of treatment plans. <i>Acta Oncologica</i> , 2020, 59, 511-517.	0.8	19
5	An analytical formalism for the assessment of dose uncertainties due to positioning uncertainties. <i>Medical Physics</i> , 2020, 47, 1357-1363.	1.6	7
6	IAEA methodology for on-site end-to-end IMRT/VMAT audits: an international pilot study. <i>Acta Oncologica</i> , 2020, 59, 141-148.	0.8	9
7	Comparison of CBCT conversion methods for dose calculation in the head and neck region. <i>Zeitschrift Fur Medizinische Physik</i> , 2020, 30, 289-299.	0.6	13
8	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
9	Basic Properties of a New Polymer Gel for 3D-Dosimetry at High Dose-Rates Typical for FFF Irradiation Based on Dithiothreitol and Methacrylic Acid (MAGADIT): Sensitivity, Range, Reproducibility, Accuracy, Dose Rate Effect and Impact of Oxygen Scavenger. <i>Polymers</i> , 2019, 11, 1717.	2.0	21
10	Testing the methodology for a dosimetric end-to-end audit of IMRT/VMAT: results of IAEA multicentre and national studies. <i>Acta Oncologica</i> , 2019, 58, 1731-1739.	0.8	19
11	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
12	A multinational audit of small field output factors calculated by treatment planning systems used in radiotherapy. <i>Physics and Imaging in Radiation Oncology</i> , 2018, 5, 58-63.	1.2	37
13	Global availability of dosimetry audits in radiotherapy: The IAEA dosimetry audit networks database. <i>Physics and Imaging in Radiation Oncology</i> , 2018, 5, 1-4.	1.2	24
14	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
15	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
16	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
17	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
18	Absorbed dose measurements in the build-up region of flattened versus unflattened megavoltage photon beams. <i>Zeitschrift Fur Medizinische Physik</i> , 2016, 26, 177-183.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Detector to detector corrections: A comprehensive experimental study of detector specific correction factors for beam output measurements for small radiotherapy beams. Medical Physics, 2014, 41, 072103.	1.6	124
20	Detector comparison for small field output factor measurements in flattening filter free photon beams. Radiotherapy and Oncology, 2013, 109, 356-360.	0.3	74
21	Evaluation of treatment plan quality of IMRT and VMAT with and without flattening filter using Pareto optimal fronts. Radiotherapy and Oncology, 2013, 109, 437-441.	0.3	36
22	A multi-institutional evaluation of small field output factor determination following the recommendations of IAEA/AAPM TRS-483. Medical Physics, 0, , .	1.6	2