

Arturs Meijers

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

456
citations

949033

11
h-index

799663

21
g-index

23
all docs

23
docs citations

23
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental validation of 4D log file-based proton dose reconstruction for interplay assessment considering amplitude-sorted 4DCTs. <i>Medical Physics</i> , 2022, 49, 3538-3549.	1.6	8
2	Clinical necessity of multi-image based (4DMIB) optimization for targets affected by respiratory motion and treated with scanned particle therapy – A comprehensive review. <i>Radiotherapy and Oncology</i> , 2022, 169, 77-85.	0.3	12
3	Head and neck IMPT probabilistic dose accumulation: Feasibility of a 2Åmm setup uncertainty setting. <i>Radiotherapy and Oncology</i> , 2021, 154, 45-52.	0.3	18
4	Clinical practice vs. state-of-the-art research and future visions: Report on the 4D treatment planning workshop for particle therapy – Edition 2018 and 2019. <i>Physica Medica</i> , 2021, 82, 54-63.	0.4	18
5	Towards the clinical implementation of intensity-modulated proton therapy for thoracic indications with moderate motion: Robust optimised plan evaluation by means of patient and machine specific information. <i>Radiotherapy and Oncology</i> , 2021, 157, 210-218.	0.3	23
6	Range probing as a quality control tool for CBCT-based synthetic CTs: In vivo application for head and neck cancer patients. <i>Medical Physics</i> , 2021, 48, 4498-4505.	1.6	13
7	Assessment of a diaphragm override strategy for robustly optimized proton therapy planning for esophageal cancer patients. <i>Medical Physics</i> , 2021, 48, 5674-5683.	1.6	4
8	Optimizing calibration settings for accurate water equivalent path length assessment using flat panel proton radiography. <i>Physics in Medicine and Biology</i> , 2021, 66, 21NT02.	1.6	4
9	Technical Note: First report on an in vivo range probing quality control procedure for scanned proton beam therapy in head and neck cancer patients. <i>Medical Physics</i> , 2021, 48, 1372-1380.	1.6	8
10	Clinical suitability of deep learning based synthetic CTs for adaptive proton therapy of lung cancer. <i>Medical Physics</i> , 2021, 48, 7673-7684.	1.6	19
11	Executive Summary of Clinical and Technical Guidelines for Esophageal Cancer Proton Beam Therapy From the Particle Therapy Co-Operative Group Thoracic and Gastrointestinal Subcommittees. <i>Frontiers in Oncology</i> , 2021, 11, 748331.	1.3	4
12	Technical Note: 4D cone-beam CT reconstruction from sparse-view CBCT data for daily motion assessment in pencil beam scanned proton therapy (PBS-PT). <i>Medical Physics</i> , 2020, 47, 6381-6387.	1.6	6
13	Anthropomorphic lung phantom based validation of in-room proton therapy 4D-CBCT image correction for dose calculation. <i>Zeitschrift Fur Medizinische Physik</i> , 2020, 32, 74-74.	0.6	7
14	Evaluation of interplay and organ motion effects by means of 4D dose reconstruction and accumulation. <i>Radiotherapy and Oncology</i> , 2020, 150, 268-274.	0.3	44
15	Investigation of inter-fraction target motion variations in the context of pencil beam scanned proton therapy in non-small cell lung cancer patients. <i>Medical Physics</i> , 2020, 47, 3835-3844.	1.6	16
16	Analysis of the applicability of two-dimensional detector arrays in terms of sampling rate and detector size to verify scanned intensity-modulated proton therapy plans. <i>Medical Physics</i> , 2020, 47, 4589-4601.	1.6	6
17	Feasibility of patient specific quality assurance for proton therapy based on independent dose calculation and predicted outcomes. <i>Radiotherapy and Oncology</i> , 2020, 150, 136-141.	0.3	10
18	Comparison of the suitability of CBCT- and MR-based synthetic CTs for daily adaptive proton therapy in head and neck patients. <i>Physics in Medicine and Biology</i> , 2020, 65, 235036.	1.6	24

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19	Evaluation of continuous beam rescanning versus pulsed beam in pencil beam scanned proton therapy for lung tumours. <i>Physics in Medicine and Biology</i> , 2020, 65, 23NT01.	1.6	4
20	Classification of various sources of error in range assessment using proton radiography and neural networks in head and neck cancer patients. <i>Physics in Medicine and Biology</i> , 2020, 65, 235009.	1.6	4
21	Comprehensive 4D robustness evaluation for pencil beam scanned proton plans. <i>Radiotherapy and Oncology</i> , 2019, 136, 185-189.	0.3	34
22	Reproducibility of the lung anatomy under active breathing coordinator control: Dosimetric consequences for scanned proton treatments. <i>Medical Physics</i> , 2018, 45, 5525-5534.	1.6	8
23	Consensus Guidelines for Implementing Pencil-Beam Scanning Proton Therapy for Thoracic Malignancies on Behalf of the PTCOG Thoracic and Lymphoma Subcommittee. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 41-50.	0.4	162