

CITATION REPORT

List of articles citing

An energy transfer method for 4D Monte Carlo dose calculati

DOI: 10.1118/1.2968215

Medical Physics, 2008, 35, 4096-105.

Source: <https://exaly.com/paper-pdf/45006466/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
37	Monte Carlo dose mapping on deforming anatomy. <i>Physics in Medicine and Biology</i> , 2009 , 54, 5815-30	3.8	40
36	Verification of four-dimensional photon dose calculations. <i>Medical Physics</i> , 2009 , 36, 3438-47	4.4	20
35	A pseudoinverse deformation vector field generator and its applications. <i>Medical Physics</i> , 2010 , 37, 1117-28	4.2	14
34	Two new DOSXYZnrc sources for 4D Monte Carlo simulations of continuously variable beam configurations, with applications to RapidArc, VMAT, TomoTherapy and CyberKnife. <i>Physics in Medicine and Biology</i> , 2010 , 55, 4431-43	3.8	56
33	[From image-guided radiotherapy to dose-guided radiotherapy]. <i>Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique</i> , 2011 , 15, 691-8	1.3	3
32	A distance to dose difference tool for estimating the required spatial accuracy of a displacement vector field. <i>Medical Physics</i> , 2011 , 38, 2318-23	4.4	21
31	Monte Carlo dose calculation on deforming anatomy. <i>Zeitschrift Fur Medizinische Physik</i> , 2011 , 21, 113-23	3.6	6
30	Investigation of voxel warping and energy mapping approaches for fast 4D Monte Carlo dose calculations in deformed geometries using VMC++. <i>Physics in Medicine and Biology</i> , 2011 , 56, 5187-202	3.8	16
29	A method to evaluate dose errors introduced by dose mapping processes for mass conserving deformations. <i>Medical Physics</i> , 2012 , 39, 2119-28	4.4	12
28	Accuracy and sensitivity of four-dimensional dose calculation to systematic motion variability in stereotatic body radiotherapy (SBRT) for lung cancer. <i>Journal of Applied Clinical Medical Physics</i> , 2012 , 13, 3992	2.3	9
27	Advances in 4D radiation therapy for managing respiration: part II - 4D treatment planning. <i>Zeitschrift Fur Medizinische Physik</i> , 2012 , 22, 272-80	7.6	36
26	[Image-guided and adaptive radiotherapy]. <i>Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique</i> , 2012 , 16, 423-9	1.3	5
25	Is it sensible to "deform" dose? 3D experimental validation of dose-warping. <i>Medical Physics</i> , 2012 , 39, 5065-72	4.4	66
24	Monte Carlo calculation of VMAT and helical tomotherapy dose distributions for lung stereotactic treatments with intra-fraction motion. <i>Physics in Medicine and Biology</i> , 2013 , 58, 2807-21	3.8	11
23	A dose error evaluation study for 4D dose calculations. <i>Physics in Medicine and Biology</i> , 2014 , 59, 6401-15	3.8	3
22	Direct dose mapping versus energy/mass transfer mapping for 4D dose accumulation: fundamental differences and dosimetric consequences. <i>Physics in Medicine and Biology</i> , 2014 , 59, 173-88	3.8	26
21	Evaluation of deformable image registration methods for dose monitoring in head and neck radiotherapy. <i>BioMed Research International</i> , 2015 , 2015, 726268	3	39

20	Target and organ dose estimation from intensity modulated head and neck radiation therapy using 3 deformable image registration algorithms. <i>Practical Radiation Oncology</i> , 2015 , 5, e317-25	2.8	5
19	[Adaptive radiotherapy in routine use? State of the art: The medical physicist's point of view]. <i>Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique</i> , 2015 , 19, 450-7	1.3	2
18	Experimental verification of 4D Monte Carlo simulations of dose delivery to a moving anatomy. <i>Medical Physics</i> , 2017 , 44, 299-310	4.4	9
17	Adaptive radiotherapy for NSCLC patients: utilizing the principle of energy conservation to evaluate dose mapping operations. <i>Physics in Medicine and Biology</i> , 2017 , 62, 4333-4345	3.8	13
16	Online Adaptive Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 99, 994-1003	4	78
15	In Regard to Zhong and Chetty. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 99, 1308-1310	4	8
14	An automated dose tracking system for adaptive radiation therapy. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 154, 1-8	6.9	12
13	A Monte-Carlo-based and GPU-accelerated 4D-dose calculator for a pencil beam scanning proton therapy system. <i>Medical Physics</i> , 2018 , 45, 5293-5304	4.4	11
12	"Patient-specific validation of deformable image registration in radiation therapy: Overview and caveats". <i>Medical Physics</i> , 2018 , 45, e908-e922	4.4	47
11	Real-time energy/mass transfer mapping for online 4D dose reconstruction. <i>Scientific Reports</i> , 2018 , 8, 3662	4.9	5
10	Comparison of planned dose on different CT image sets to four-dimensional Monte Carlo dose recalculation using the patient's actual breathing trace for lung stereotactic body radiation therapy. <i>Medical Physics</i> , 2019 , 46, 3268-3277	4.4	5
9	Deformable Registration for Dose Accumulation. <i>Seminars in Radiation Oncology</i> , 2019 , 29, 198-208	5.5	44
8	A review on 3D deformable image registration and its application in dose warping. <i>Radiation Medicine and Protection</i> , 2020 , 1, 171-178	2	4
7	Validation of 4D Monte Carlo dose calculations using a programmable deformable lung phantom. <i>Physica Medica</i> , 2020 , 76, 16-27	2.7	1
6	Quantitative investigation of dose accumulation errors from intra-fraction motion in MRgRT for prostate cancer. <i>Physics in Medicine and Biology</i> , 2021 , 66, 065002	3.8	0
5	Development of a deformable dosimetric phantom to verify dose accumulation algorithms for adaptive radiotherapy. <i>Journal of Medical Physics</i> , 2016 , 41, 106-14	0.7	7
4	Image-Guided Radiation Therapy for Lung Cancer. 2013 , 585-606		
3	Detailed dosimetric evaluation of inter-fraction and respiratory motion in lung stereotactic body radiation therapy based on daily 4D cone beam CT images. 2023 , 68, 015005		0

- 2 Development of a multi-layer quality assurance program to evaluate the uncertainty of deformable dose accumulation in adaptive radiotherapy. ○
- 1 Dose accumulation for MR-guided adaptive radiotherapy: From practical considerations to state-of-the-art clinical implementation. 12, ○