

CITATION REPORT

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Quantifying the accuracy of automated structure segmentation in 4D CT images using a deformable image registration algorithm

DOI: 10.1118/1.2839120

Medical Physics, 2008, 35, 1251-60.

Source: <https://exaly.com/paper-pdf/44915141/citation-report.pdf>

Version: 2024-04-28

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#	Paper	IF	Citations
48	Feasibility of MRI guided proton therapy: magnetic field dose effects. <i>Physics in Medicine and Biology</i> , 2008 , 53, 5615-22	3.8	75
47	Anniversary paper: image processing and manipulation through the pages of Medical Physics. <i>Medical Physics</i> , 2008 , 35, 4488-500	4.4	7
46	A stochastic approach to estimate the uncertainty involved in B-spline image registration. <i>IEEE Transactions on Medical Imaging</i> , 2009 , 28, 1708-16	11.7	33
45	Does running cause metatarsophalangeal joint effusions? A comparison of synovial fluid volumes on MRI in athletes before and after running. <i>Skeletal Radiology</i> , 2009 , 38, 499-504	2.7	4
44	Evolution of surface-based deformable image registration for adaptive radiotherapy of non-small cell lung cancer (NSCLC). <i>Radiation Oncology</i> , 2009 , 4, 68	4.2	18
43	Coronary computed tomographic angiography in the cardiac catheterization laboratory: current applications and future developments. <i>Cardiology Clinics</i> , 2009 , 27, 513-29	2.5	10
42	A proto-type design of a real-tissue phantom for the validation of deformation algorithms and 4D dose calculations. <i>Physics in Medicine and Biology</i> , 2010 , 55, 3685-99	3.8	11
41	A review of methods of analysis in contouring studies for radiation oncology. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2010 , 54, 401-10	1.7	93
40	Improving target delineation on 4-dimensional CT scans in stage I NSCLC using a deformable registration tool. <i>Radiotherapy and Oncology</i> , 2010 , 96, 67-72	5.3	53
39	Technical Aspects of PET/CT-Based Radiotherapy Planning. <i>PET Clinics</i> , 2011 , 6, 117-29	2.2	
38	Motion-weighted target volume and dose-volume histogram: a practical approximation of four-dimensional planning and evaluation. <i>Radiotherapy and Oncology</i> , 2011 , 99, 67-72	5.3	5
37	An evaluation of an automated 4D-CT contour propagation tool to define an internal gross tumour volume for lung cancer radiotherapy. <i>Radiotherapy and Oncology</i> , 2011 , 101, 322-8	5.3	32
36	Quantifying variability in radiation dose due to respiratory-induced tumor motion. <i>Medical Image Analysis</i> , 2011 , 15, 640-9	15.4	14
35	A two-dimensional deformable phantom for quantitatively verifying deformation algorithms. <i>Medical Physics</i> , 2011 , 38, 4583-6	4.4	31
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33	A stochastic approach to estimate the uncertainty of dose mapping caused by uncertainties in b-spline registration. <i>Medical Physics</i> , 2012 , 39, 2186-92	4.4	12
32	A measure to evaluate deformable registration fields in clinical settings. <i>Journal of Applied Clinical Medical Physics</i> , 2012 , 13, 3829	2.3	31

31	Evaluation of 4-dimensional computed tomography to 4-dimensional cone-beam computed tomography deformable image registration for lung cancer adaptive radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 86, 372-9	4	28
30	Effects of quantum noise in 4D-CT on deformable image registration and derived ventilation data. <i>Physics in Medicine and Biology</i> , 2013 , 58, 7661-72	3.8	14
29	Estimation of the uncertainty of elastic image registration with the demons algorithm. <i>Physics in Medicine and Biology</i> , 2013 , 58, 3023-36	3.8	12
28	Investigating the feasibility of rapid MRI for image-guided motion management in lung cancer radiotherapy. <i>BioMed Research International</i> , 2014 , 2014, 485067	3	33
27	Feasibility and potential benefits of defining the internal gross tumor volume of hepatocellular carcinoma using contrast-enhanced 4D CT images obtained by deformable registration. <i>Radiation Oncology</i> , 2014 , 9, 221	4.2	7
26	IMRT treatment planning on 4D geometries for the era of dynamic MLC tracking. <i>Technology in Cancer Research and Treatment</i> , 2014 , 13, 505-15	2.7	7
25	Automated Lung Segmentation and Image Quality Assessment for Clinical 3D/4D Computed Tomography. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2014 , 2,	3	10
24	Rapid Automated Target Segmentation and Tracking on 4D Data without Initial Contours. <i>Radiology Research and Practice</i> , 2014 , 2014, 547075	2.3	3
23	A spatiotemporal-based scheme for efficient registration-based segmentation of thoracic 4-D MRI. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014 , 18, 969-77	7.2	9
22	Automatic liver contouring for radiotherapy treatment planning. <i>Physics in Medicine and Biology</i> , 2015 , 60, 7461-83	3.8	8
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16	Interactive iterative relative fuzzy connectedness lung segmentation on thoracic 4D dynamic MR images. <i>Proceedings of SPIE</i> , 2017 , 10137,	1.7	4
15	Evaluation of mesh- and binary-based contour propagation methods in 4D thoracic radiotherapy treatments using patient 4D CT images. <i>Physica Medica</i> , 2017 , 36, 46-53	2.7	3
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11	"Patient-specific validation of deformable image registration in radiation therapy: Overview and caveats". <i>Medical Physics</i> , 2018 , 45, e908-e922	4.4	47
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9	A review of automatic lung tumour segmentation in the era of 4DCT. <i>Reports of Practical Oncology and Radiotherapy</i> , 2019 , 24, 208-220	1.5	8
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7	[10. Automatic Contour Segmentation Technology in the Radiotherapy]. <i>Japanese Journal of Radiological Technology</i> , 2021 , 77, 591-595		
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5	MRI Determination of Knee Effusion Volume: A Cadaveric Study. <i>The Duke Orthopaedic Journal</i> , 2013 , 3, 67-70		2
4	Few-shot learning for deformable image registration in 4DCT images. <i>British Journal of Radiology</i> , 2022 , 95, 20210819	3.4	0
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