

Hualiang Zhong

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

395
citations

933447

10
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

538
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of deformable image registration accuracy using computational modeling. Medical Physics, 2010, 37, 970-979.	3.0	96
2	Deformable image registration based automatic CT-to-CT contour propagation for head and neck adaptive radiotherapy in the routine clinical setting. Medical Physics, 2014, 41, 121712.	3.0	72
3	A finite element method to correct deformable image registration errors in low-contrast regions. Physics in Medicine and Biology, 2012, 57, 3499-3515.	3.0	48
4	A novel approach for establishing benchmark CBCT/CT deformable image registrations in prostate cancer radiotherapy. Physics in Medicine and Biology, 2013, 58, 8077-8097.	3.0	35
5	Caution Must Be Exercised When Performing Deformable Dose Accumulation for Tumors Undergoing Mass Changes During Fractionated Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2017, 97, 182-183.	0.8	29
6	An adaptive MR-CT registration method for MRI-guided prostate cancer radiotherapy. Physics in Medicine and Biology, 2015, 60, 2837-2851.	3.0	28
7	Impact of dose size in single fraction spatially fractionated (grid) radiotherapy for melanoma. Medical Physics, 2014, 41, 021727.	3.0	24
8	Evaluation of adaptive treatment planning for patients with non-small cell lung cancer. Physics in Medicine and Biology, 2017, 62, 4346-4360.	3.0	17
9	Development of a deformable dosimetric phantom to verify dose accumulation algorithms for adaptive radiotherapy. Journal of Medical Physics, 2016, 41, 106.	0.3	12
10	A note on modeling of tumor regression for estimation of radiobiological parameters. Medical Physics, 2014, 41, 081702.	3.0	10
11	Utilization of a hybrid finite-element based registration method to quantify heterogeneous tumor response for adaptive treatment for lung cancer patients. Physics in Medicine and Biology, 2018, 63, 065017.	3.0	10
12	Target and organ dose estimation from intensity modulated head and neck radiation therapy using 3 deformable image registration algorithms. Practical Radiation Oncology, 2015, 5, e317-e325.	2.1	6
13	Generation of a novel phase-space-based cylindrical dose kernel for IMRT optimization. Medical Physics, 2012, 39, 2518-2523.	3.0	5
14	In Reply to Hugo et al. International Journal of Radiation Oncology Biology Physics, 2017, 99, 1310.	0.8	3
15	An adaptive finite element method to cope with a large scale lung deformation in magnetic resonance images. , 2014, , .		0
16	TU-AB-202-07: A Novel Method for Registration of Mid-Treatment PET/CT Images Under Conditions of Tumor Regression for Patients with Locally Advanced Lung Cancers. Medical Physics, 2016, 43, 3738-3738.	3.0	0