

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