

Yabo Fu

List of Publications by Year in descending order

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36
papers

1,454
citations

430874

18
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

1224
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning in medical image registration: a review. <i>Physics in Medicine and Biology</i> , 2020, 65, 20TR01.	3.0	330
2	A review on medical imaging synthesis using deep learning and its clinical applications. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 11-36.	1.9	139
3	CBCT-based synthetic CT generation using deep attention cycleGAN for pancreatic adaptive radiotherapy. <i>Medical Physics</i> , 2020, 47, 2472-2483.	3.0	113
4	A novel MRI segmentation method using CNN-based correction network for MRI-guided adaptive radiotherapy. <i>Medical Physics</i> , 2018, 45, 5129-5137.	3.0	109
5	A review of deep learning based methods for medical image multi-organ segmentation. <i>Physica Medica</i> , 2021, 85, 107-122.	0.7	103
6	Machine learning in quantitative PET: A review of attenuation correction and low-count image reconstruction methods. <i>Physica Medica</i> , 2020, 76, 294-306.	0.7	67
7	LungRegNet: An unsupervised deformable image registration method for 4D CT lung. <i>Medical Physics</i> , 2020, 47, 1763-1774.	3.0	66
8	4D-CT deformable image registration using multiscale unsupervised deep learning. <i>Physics in Medicine and Biology</i> , 2020, 65, 085003.	3.0	51
9	Knowledge-based radiation treatment planning: A data-driven method survey. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 16-44.	1.9	43
10	Multimodal MRI synthesis using unified generative adversarial networks. <i>Medical Physics</i> , 2020, 47, 6343-6354.	3.0	37
11	Pelvic multi-organ segmentation on cone-beam CT for prostate adaptive radiotherapy. <i>Medical Physics</i> , 2020, 47, 3415-3422.	3.0	37
12	Automatic and hierarchical segmentation of the human skeleton in CT images. <i>Physics in Medicine and Biology</i> , 2017, 62, 2812-2833.	3.0	35
13	CT-based multi-organ segmentation using a 3D self-attention U-net network for pancreatic radiotherapy. <i>Medical Physics</i> , 2020, 47, 4316-4324.	3.0	35
14	Label-driven magnetic resonance imaging (MRI)-transrectal ultrasound (TRUS) registration using weakly supervised learning for MRI-guided prostate radiotherapy. <i>Physics in Medicine and Biology</i> , 2020, 65, 135002.	3.0	34
15	Biomechanically constrained non-rigid MR-TRUS prostate registration using deep learning based 3D point cloud matching. <i>Medical Image Analysis</i> , 2021, 67, 101845.	11.6	33
16	Head and neck multi-organ auto-segmentation on CT images aided by synthetic MRI. <i>Medical Physics</i> , 2020, 47, 4294-4302.	3.0	31
17	Deformable MR-CBCT prostate registration using biomechanically constrained deep learning networks. <i>Medical Physics</i> , 2021, 48, 253-263.	3.0	27
18	Automatic segmentation and quantification of epicardial adipose tissue from coronary computed tomography angiography. <i>Physics in Medicine and Biology</i> , 2020, 65, 095012.	3.0	23

#	ARTICLE	IF	CITATIONS
19	An adaptive motion regularization technique to support sliding motion in deformable image registration. <i>Medical Physics</i> , 2018, 45, 735-747.	3.0	19
20	Optimizing efficiency and safety in external beam radiotherapy using automated plan check (APC) tool and six sigma methodology. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 56-64.	1.9	16
21	A method to detect landmark pairs accurately between intra-patient volumetric medical images. <i>Medical Physics</i> , 2017, 44, 5859-5872.	3.0	14
22	Automatic large quantity landmark pairs detection in 4DCT lung images. <i>Medical Physics</i> , 2019, 46, 4490-4501.	3.0	13
23	Technical Note: Automatic segmentation of CT images for ventral body composition analysis. <i>Medical Physics</i> , 2020, 47, 5723-5730.	3.0	10
24	Male pelvic CT multi-organ segmentation using synthetic MRI-aided dual pyramid networks. <i>Physics in Medicine and Biology</i> , 2021, 66, 085007.	3.0	9
25	Echocardiographic image multi-structure segmentation using Cardiac-SegNet. <i>Medical Physics</i> , 2021, 48, 2426-2437.	3.0	9
26	4D-CT Deformable Image Registration Using an Unsupervised Deep Convolutional Neural Network. <i>Lecture Notes in Computer Science</i> , 2019, , 26-33.	1.3	9
27	Artifacts reduction in strain maps of tagged magnetic resonance imaging using harmonic phase. <i>Open Medicine (Poland)</i> , 2015, 10, 425-433.	1.3	8
28	Development and evaluation of machine learning models for voxel dose predictions in online adaptive magnetic resonance guided radiation therapy. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 60-69.	1.9	8
29	Probabilistic finite element method for large tumor radiofrequency ablation simulation and planning. <i>Medical Engineering and Physics</i> , 2016, 38, 1360-1368.	1.7	7
30	CBCT-Based Synthetic MRI Generation for CBCT-Guided Adaptive Radiotherapy. <i>Lecture Notes in Computer Science</i> , 2019, , 154-161.	1.3	7
31	Artificial Intelligence in Radiation Therapy. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2022, 6, 158-181.	3.7	4
32	Using prediction models to evaluate magnetic resonance image guided radiation therapy plans. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 16, 99-102.	2.9	3
33	Catheter position prediction using deep-learning-based multi-atlas registration for high-dose rate prostate brachytherapy. <i>Medical Physics</i> , 2021, 48, 7261-7270.	3.0	3
34	Technical Note: A method to evaluate dosimetric effects on organs-at-risk for treatment delivery systematic uncertainties. <i>Medical Physics</i> , 2017, 44, 1552-1557.	3.0	2
35	Deformable histopathology-MRI image registration using deep learning. , 2022, , .		0
36	Deep learning based volume-to-slice MRI registration via intentional overfitting. , 2022, , .		0