

# Weiguo LÃ¼

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,258  
citations

643344

15  
h-index

843174

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1492  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep-learning and radiomics ensemble classifier for false positive reduction in brain metastases segmentation. <i>Physics in Medicine and Biology</i> , 2022, 67, 025004.	1.6	8
2	Saliency-guided deep learning network for automatic tumor bed volume delineation in post-operative breast irradiation. <i>Physics in Medicine and Biology</i> , 2021, 66, 175019.	1.6	5
3	Robustness study of noisy annotation in deep learning based medical image segmentation. <i>Physics in Medicine and Biology</i> , 2020, 65, 175007.	1.6	27
4	A web-based brain metastases segmentation and labeling platform for stereotactic radiosurgery. <i>Medical Physics</i> , 2020, 47, 3263-3276.	1.6	12
5	Online dosimetric evaluation of larynx SBRT: A pilot study to assess the necessity of adaptive replanning. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 157-163.	0.8	7
6	A deep convolutional neural network-based automatic delineation strategy for multiple brain metastases stereotactic radiosurgery. <i>PLoS ONE</i> , 2017, 12, e0185844.	1.1	109
7	Automatic metastatic brain tumor segmentation for stereotactic radiosurgery applications. <i>Physics in Medicine and Biology</i> , 2016, 61, 8440-8461.	1.6	18
8	An automatic dose verification system for adaptive radiotherapy for helical tomotherapy. <i>Journal of Physics: Conference Series</i> , 2014, 489, 012075.	0.3	0
9		1.6	85
10	Evaluation of geometric changes of parotid glands during head and neck cancer radiotherapy using daily MVCT and automatic deformable registration. <i>Radiotherapy and Oncology</i> , 2008, 89, 81-88.	0.3	109
11	Real-time motion-adaptive delivery (MAD) using binary MLC: I. Static beam (tomotherapy) delivery. <i>Physics in Medicine and Biology</i> , 2008, 53, 6491-6511.	1.6	17
12	Real-time motion-adaptive delivery (MAD) using binary MLC: II. Rotational beam (tomotherapy) delivery. <i>Physics in Medicine and Biology</i> , 2008, 53, 6513-6531.	1.6	21
13	Objective assessment of deformable image registration in radiotherapy: A multi-institution study. <i>Medical Physics</i> , 2008, 35, 5944-5953.	1.6	132
14	Breathing-Synchronized Delivery: A Potential Four-Dimensional Tomotherapy Treatment Technique. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 68, 1572-1578.	0.4	25
15	Automatic re-contouring in 4D radiotherapy. <i>Physics in Medicine and Biology</i> , 2006, 51, 1077-1099.	1.6	149
16	Deformable registration of the planning image (kVCT) and the daily images (MVCT) for adaptive radiation therapy. <i>Physics in Medicine and Biology</i> , 2006, 51, 4357-4374.	1.6	137
17	Real-time respiration monitoring using the radiotherapy treatment beam and four-dimensional computed tomography (4DCT)â€”a conceptual study. <i>Physics in Medicine and Biology</i> , 2006, 51, 4469-4495.	1.6	22
18	Adaptive Radiation Therapy (ART) Strategies Using Helical Tomotherapy. , 2006, , 235-246.		1

#	ARTICLE	IF	CITATIONS
19	Fast free-form deformable registration via calculus of variations. Physics in Medicine and Biology, 2004, 49, 3067-3087.	1.6	246
20	Motion-encoded dose calculation through fluence/sinogram modification. Medical Physics, 2004, 32, 118-127.	1.6	8
21	Treatment plan optimization incorporating respiratory motion. Medical Physics, 2004, 31, 1576-1586.	1.6	82
22	Fast treatment plan modification with an over-relaxed Cimmino algorithm. Medical Physics, 2004, 31, 191-200.	1.6	38