Ye Zhang

List of Publications by Year
in descending order

32 papers	763 citations	516561 16 h-index	526166 27 g-index
32 all docs	32 docs citations	32 times ranked	569 citing authors

#	Article	IF	Citations
1	Synthetic 4DCT(MRI) lung phantom generation for 4D radiotherapy and image guidance investigations. Medical Physics, 2022, 49, 2890-2903.	1.6	7
2	Clinical necessity of multi-image based (4DMIB) optimization for targets affected by respiratory motion and treated with scanned particle therapy â€“ A comprehensive review. Radiotherapy and Oncology, 2022, 169, 77-85.	0.3	12
3	Combined protonâ€“photon therapy for nonâ€small cell lung cancer. Medical Physics, 2022, 49, 5374-5386.	1.6	7
4	Liver-ultrasound-guided lung tumour tracking for scanned proton therapy: a feasibility study. Physics in Medicine and Biology, 2021, 66, 035011.	1.6	8
5	An approach for estimating dosimetric uncertainties in deformable dose accumulation in pencil beam scanning proton therapy for lung cancer. Physics in Medicine and Biology, 2021, 66, .	1.6	14
6	Dosimetric influence of deformable image registration uncertainties on propagated structures for online daily adaptive proton therapy of lung cancer patients. Radiotherapy and Oncology, 2021, 159, 136-143.	0.3	16
7	Online daily adaptive proton therapy. British Journal of Radiology, 2020, 93, 20190594.	1.0	80
8	The potential of Gantry beamline large momentum acceptance for real time tumour tracking in pencil beam scanning proton therapy. Scientific Reports, 2020, 10, 15325.	1.6	7
9	Deformable image registration uncertainty for inter-fractional dose accumulation of lung cancer proton therapy. Radiotherapy and Oncology, 2020, 147, 178-185.	0.3	39
10	Impact of internal target volume definition for pencil beam scanned proton treatment planning in the presence of respiratory motion variability for lung cancer: A proof of concept. Radiotherapy and Oncology, 2020, 145, 154-161.	0.3	12
11	Anthropomorphic phantom for deformable lung and liver CT and MR imaging for radiotherapy. Physics in Medicine and Biology, 2020, 65, 07NT02.	1.6	17
12	Liver-ultrasound based motion modelling to estimate 4D dose distributions for lung tumours in scanned proton therapy. Physics in Medicine and Biology, 2020, 65, 235050.	1.6	9
13	Evaluation of the ray-casting analytical algorithm for pencil beam scanning proton therapy. Physics in Medicine and Biology, 2019, 64, 065021.	1.6	15
14	Dosimetric uncertainties as a result of temporal resolution in 4D dose calculations for PBS proton therapy. Physics in Medicine and Biology, 2019, 64, 125005.	1.6	10
15	The dependence of interplay effects on the field scan direction in PBS proton therapy. Physics in Medicine and Biology, 2019, 64, 095005.	1.6	3
16	Comparing the effectiveness and efficiency of various gating approaches for PBS proton therapy of pancreatic cancer using 4D-MRI datasets. Physics in Medicine and Biology, 2019, 64, 085011.	1.6	10
17	4DMRI-based investigation on the interplay effect for pencil beam scanning proton therapy of pancreatic cancer patients. Radiation Oncology, 2019, 14, 30.	1.2	21
18	Inter-fractional Respiratory Motion Modelling from Abdominal Ultrasound: A Feasibility Study. Lecture Notes in Computer Science, 2019, , 11-22.	1.0	3

#	Article	IF	Citations
19	Experimental validation of a deforming grid 4D dose calculation for PBS proton therapy. Physics in Medicine and Biology, 2018, 63, 055005.	1.6	26
20	Assessment of dosimetric errors induced by deformable image registration methods in 4D pencil beam scanned proton treatment planning for liver tumours. Radiotherapy and Oncology, 2018, 128, 174-181.	0.3	43
21	A statistical comparison of motion mitigation performances and robustness of various pencil beam scanned proton systems for liver tumour treatments. Radiotherapy and Oncology, 2018, 128, 182-188.	0.3	44
22	[P238] Dosimetric evaluation of deformable image registration error using 4DCT-MRI datasets. Physica Medica, 2018, 52, 168.	0.4	0
23	4D dose calculation for pencil beam scanning proton therapy of pancreatic cancer using repeated 4DMRI datasets. Physics in Medicine and Biology, 2018, 63, 165005.	1.6	18
24	The impact of pencil beam scanning techniques on the effectiveness and efficiency of rescanning moving targets. Physics in Medicine and Biology, 2018, 63, 145006.	1.6	28
25	Surface as a motion surrogate for gated re-scanned pencil beam proton therapy. Physics in Medicine and Biology, 2017, 62, 4046-4061.	1.6	10
26	Advanced treatment planning using direct 4D optimisation for pencil-beam scanned particle therapy. Physics in Medicine and Biology, 2017, 62, 6595-6609.	1.6	26
27	An evaluation of rescanning technique for liver tumour treatments using a commercial PBS proton therapy system. Radiotherapy and Oncology, 2016, 121, 281-287.	0.3	54
28	Required transition from research to clinical application: Report on the 4D treatment planning workshops 2014 and 2015. Physica Medica, 2016, 32, 874-882.	0.4	34
29	Improving 4D plan quality for PBS-based liver tumour treatments by combining online image guided beam gating with rescanning. Physics in Medicine and Biology, 2015, 60, 8141-8159.	1.6	40
30	Online image guided tumour tracking with scanned proton beams: a comprehensive simulation study. Physics in Medicine and Biology, 2014, 59, 7793-7817.	1.6	48
31	Deformable motion reconstruction for scanned proton beam therapy using on-line x-ray imaging. Physics in Medicine and Biology, 2013, 58, 8621-8645.	1.6	35
32	Respiratory liver motion estimation and its effect on scanned proton beam therapy. Physics in Medicine and Biology, 2012, 57, 1779-1795.	1.6	67