

Weixing Cai

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

187
citations

1478505

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19
docs citations

19
times ranked

228
citing authors

#	ARTICLE	IF	CITATIONS
1	Retrospective analysis of MV kV imaging-based fiducial tracking in prostate SBRT treatment. Journal of Applied Clinical Medical Physics, 2022, 23, e13593.	1.9	4
2	Automatic stent recognition using perceptual attention U-Net for quantitative intrafraction motion monitoring in pancreatic cancer radiotherapy. Medical Physics, 2022, 49, 5283-5293.	3.0	1
3	Technical Note: Synthetic treatment beam imaging for motion monitoring during spine SBRT treatments – a phantom study. Medical Physics, 2021, 48, 125-131.	3.0	7
4	Decompose kV projection using neural network for improved motion tracking in paraspinal SBRT. Medical Physics, 2021, 48, 7590-7601.	3.0	8
5	Quantifying day-to-day variations in 4DCBCT-based PCA motion models. Biomedical Physics and Engineering Express, 2020, 6, 035020.	1.2	4
6	Semi-automated IGRT QA using a cone-shaped scintillator screen detector for proton pencil beam scanning treatments. Physics in Medicine and Biology, 2019, 64, 085004.	3.0	9
7	Evaluation of differential phase contrast cone beam CT imaging system. Journal of X-Ray Science and Technology, 2017, 25, 357-372.	1.0	3
8	Grating-based x-ray differential phase contrast imaging with twin peaks in phase-stepping curves – phase retrieval and dewrapping. Medical Physics, 2016, 43, 2855-2869.	3.0	6
9	Reducing radiation dose in grating based x-ray phase contrast CT with twin-peaks in its phase stepping curves. Medical Physics, 2016, 43, 5942-5950.	3.0	4
10	4D cone beam CT-based dose assessment for SBRT lung cancer treatment. Physics in Medicine and Biology, 2016, 61, 554-568.	3.0	17
11	3D delivered dose assessment using a 4DCT-based motion model. Medical Physics, 2015, 42, 2897-2907.	3.0	24
12	Cone beam breast CT with multiplanar and three dimensional visualization in differentiating breast masses compared with mammography. European Journal of Radiology, 2015, 84, 48-53.	2.6	61
13	Investigation of Moiré pattern-based phase retrieval approach for differential phase-contrast cone beam CT imaging using a hospital-grade tube. , 2012, 8313, 83132R.		3
14	Dynamic cone beam CT angiography of carotid and cerebral arteries using canine model. Medical Physics, 2012, 39, 543-553.	3.0	3
15	Performance investigation of a hospital-grade x-ray tube-based differential phase-contrast cone beam CT system. Proceedings of SPIE, 2012, 8313, .	0.8	2
16	Investigation of source grating stepping for differential phase-contrast cone-beam CT (DPC-CBCT) system. Proceedings of SPIE, 2012, 8313, .	0.8	2
17	Scatter correction for clinical cone beam CT breast imaging based on breast phantom studies. Journal of X-Ray Science and Technology, 2011, 19, 91-109.	1.0	7
18	A novel cone beam breast CT scanner: system evaluation. , 2007, , .		21

#	ARTICLE	IF	CITATIONS
19	Flat panel detector-based cone beam CT for dynamic imaging: system evaluation. , 2006, , .		1