Weixing Cai

List of Publications by Year
in descending order

19 papers	187 citations	1478505 6 h-index	1125743 13 g-index
19 all docs	19 docs citations	19 times ranked	228 citing authors

#	Article	IF	Citations
1	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
2	3D delivered dose assessment using a 4DCT-based motion model. Medical Physics, 2015, 42, 2897-2907.	3.0	24
3	A novel cone beam breast CT scanner: system evaluation. , 2007, , .		21
4	4D cone beam CT-based dose assessment for SBRT lung cancer treatment. Physics in Medicine and Biology, 2016, 61, 554-568.	3.0	17
5	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
6	Decompose kV projection using neural network for improved motion tracking in paraspinal SBRT. Medical Physics, 2021, 48, 7590-7601.	3.0	8
7	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
8	Technical Note: Synthetic treatment beam imaging for motion monitoring during spine SBRT treatments â€" a phantom study. Medical Physics, 2021, 48, 125-131.	3.0	7
9	Gratingâ€based xâ€ray differential phase contrast imaging with twin peaks in phaseâ€stepping curvesâ€"phase retrieval and dewrapping. Medical Physics, 2016, 43, 2855-2869.	3.0	6
10	Reducing radiation dose in grating based xâ€ray phase contrast CT with twinâ€peaks in its phase stepping curves. Medical Physics, 2016, 43, 5942-5950.	3.0	4
11	Quantifying day-to-day variations in 4DCBCT-based PCA motion models. Biomedical Physics and Engineering Express, 2020, 6, 035020.	1.2	4
12	Retrospective analysis of MVâ€"kV imagingâ€based fiducial tracking in prostate SBRT treatment. Journal of Applied Clinical Medical Physics, 2022, 23, e13593.	1.9	4
13	Investigation of MoirÃ© 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	Evaluation of differential phase contrast cone beam CT imaging system. Journal of X-Ray Science and Technology, 2017, 25, 357-372.	1.0	3
16	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
17	Investigation of source grating stepping for differential phase-contrast cone-beam CT (DPC-CBCT) system. Proceedings of SPIE, 2012, 8313, .	0.8	2
18	Flat panel detector-based cone beam CT for dynamic imaging: system evaluation. , 2006, , .		1

#	Article	IF	Citations
19	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