

Da Zhang

List of Publications by Year in descending order

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21
papers

460
citations

840119

11
h-index

713013

21
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22
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22
docs citations

22
times ranked

621
citing authors

#	ARTICLE	IF	CITATIONS
1	Objective characterization of GE Discovery CT750 HD scanner: Gemstone spectral imaging mode. <i>Medical Physics</i> , 2011, 38, 1178-1188.	1.6	182
2	A generic geometric calibration method for tomographic imaging systems with flat-panel detectors—A detailed implementation guide. <i>Medical Physics</i> , 2010, 37, 3844-3854.	1.6	68
3	A method to acquire CT organ dose map using OSL dosimeters and ATOM anthropomorphic phantoms. <i>Medical Physics</i> , 2013, 40, 081918.	1.6	32
4	Monte Carlo assessment of CT dose equilibration in PMMA and water cylinders with diameters from 6 to 55 cm. <i>Medical Physics</i> , 2013, 40, 031903.	1.6	26
5	Sensitivity analysis of a geometric calibration method using projection matrices for digital tomosynthesis systems. <i>Medical Physics</i> , 2011, 38, 202-209.	1.6	16
6	X-ray spectral measurements for tungsten anode from 20 to 49 kVp on a digital breast tomosynthesis system. <i>Medical Physics</i> , 2012, 39, 3493-3500.	1.6	16
7	Metal implants on CT: comparison of iterative reconstruction algorithms for reduction of metal artifacts with single energy and spectral CT scanning in a phantom model. <i>Abdominal Radiology</i> , 2017, 42, 742-748.	1.0	16
8	Long-term outcome of endovascular therapy for acute basilar artery occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1210-1218.	2.4	14
9	A new technique to characterize CT scanner bowtie filter attenuation and applications in human cadaver dosimetry simulations. <i>Medical Physics</i> , 2015, 42, 6274-6282.	1.6	13
10	A new method for CT dose estimation by determining patient water equivalent diameter from localizer radiographs: Geometric transformation and calibration methods using readily available phantoms. <i>Medical Physics</i> , 2018, 45, 3371-3378.	1.6	13
11	Data-Driven CT Protocol Review and Management—Experience From a Large Academic Hospital. <i>Journal of the American College of Radiology</i> , 2015, 12, 267-272.	0.9	11
12	Radiation dose calculations for CT scans with tube current modulation using the approach to equilibrium function. <i>Medical Physics</i> , 2014, 41, 111910.	1.6	10
13	<i>In vitro</i> dose measurements in a human cadaver with abdomen/pelvis CT scans. <i>Medical Physics</i> , 2014, 41, 091911.	1.6	9
14	A study of the short-to long-phantom dose ratios for CT scanning without table translation. <i>Medical Physics</i> , 2014, 41, 091912.	1.6	9
15	Longitudinal dose distribution and energy absorption in PMMA and water cylinders undergoing CT scans. <i>Medical Physics</i> , 2014, 41, 101912.	1.6	6
16	Novel Lead-Free Drape Applied to the X-Ray Detector Protects against Scatter Radiation in the Angiography Suite. <i>Journal of Vascular and Interventional Radiology</i> , 2014, 25, 1200-1208.	0.2	4
17	Comparison of Measured and Estimated CT Organ Doses for Modulated and Fixed Tube Current. <i>Academic Radiology</i> , 2016, 23, 634-642.	1.3	4
18	Point Organ Radiation Dose in Abdominal CT: Effect of Patient Off-Centering in an Experimental Human Cadaver Study. <i>Radiation Protection Dosimetry</i> , 2017, 175, 440-449.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Estimating patient water equivalent diameter from CT localizer images – A longitudinal and multi-institutional study of the stability of calibration parameters. Medical Physics, 2020, 47, 2139-2149.	1.6	4
20	CT dose equilibration and energy absorption in polyethylene cylinders with diameters from 6 to 55 cm. Medical Physics, 2015, 42, 2882-2891.	1.6	2
21	Minimizing Radiation Dose Outliers Through Systematic Analysis, Computed Tomography Technologist Education, and Standardized System Solutions. Journal of Computer Assisted Tomography, 2021, 45, 78-83.	0.5	0