Xinhua Li

List of Publications by Citations

44 papers	389 citations	12 h-index	17 g-index
48 ext. papers	475 ext. citations	4.6 avg, IF	3.76 L-index

#	Paper	IF	Citations
44	A generic geometric calibration method for tomographic imaging systems with flat-panel detectors--a detailed implementation guide. *Medical Physics*, **2010**, 37, 3844-54	4.4	48
43	Radiation Effective Dose Above 100 mSv From Fluoroscopically Guided Intervention: Frequency and Patient Medical Condition. *American Journal of Roentgenology*, **2020**, 215, 433-440	5.4	24
42	Initial Clinical Experience With Extremity Cone-Beam CT of the Foot and Ankle in Pediatric Patients. *American Journal of Roentgenology*, **2016**, 206, 431-5	5.4	22
41	Monte Carlo assessment of CT dose equilibration in PMMA and water cylinders with diameters from 6 to 55 cm. *Medical Physics*, **2013**, 40, 031903	4.4	22
40	A practical approach to estimate the weighted CT dose index over an infinite integration length. *Physics in Medicine and Biology*, **2011**, 56, 5789-803	3.8	22
39	Automated extraction of radiation dose information from CT dose report images. *American Journal of Roentgenology*, **2011**, 196, W781-3	5.4	16
38	Entrance skin dosimetry and size-specific dose estimate from pediatric chest CTA. *Journal of Cardiovascular Computed Tomography*, **2014**, 8, 97-107	2.8	15
37	Estimation of the weighted CTDI() for multislice CT examinations. *Medical Physics*, **2012**, 39, 901-5	4.4	15
36	Procedure-specific CT Dose and Utilization Factors for CT-guided Interventional Procedures. *Radiology*, **2018**, 289, 150-157	20.5	14
35	Calculations of two new dose metrics proposed by AAPM Task Group 111 using the measurements with standard CT dosimetry phantoms. *Medical Physics*, **2013**, 40, 081914	4.4	14
34	Sensitivity analysis of a geometric calibration method using projection matrices for digital tomosynthesis systems. *Medical Physics*, **2011**, 38, 202-9	4.4	13
33	Equations for CT dose calculations on axial lines based on the principle of symmetry. *Medical Physics*, **2012**, 39, 5347-52	4.4	12
32	Effective Dose Assessment for Patients Undergoing Contemporary Fluoroscopically Guided Interventional Procedures. *American Journal of Roentgenology*, **2020**, 214, 158-170	5.4	12
31	A new technique to characterize CT scanner bow-tie filter attenuation and applications in human cadaver dosimetry simulations. *Medical Physics*, **2015**, 42, 6274-82	4.4	11
30	Comprehensive evaluation of broad-beam transmission of patient supports from three fluoroscopy-guided interventional systems. *Medical Physics*, **2018**, 45, 1425-1432	4.4	10
29	Radiation Dose Monitoring for Fluoroscopically Guided Interventional Procedures: Effect on Patient Radiation Exposure. *Radiology*, **2019**, 290, 744-749	20.5	10
28	A study of the short- to long-phantom dose ratios for CT scanning without table translation. *Medical Physics*, **2014**, 41, 091912	4.4	9

27	Data-driven CT protocol review and management: experience from a large academic hospital. *Journal of the American College of Radiology*, **2015**, 12, 267-72	3.5	9
26	In vitro dose measurements in a human cadaver with abdomen/pelvis CT scans. *Medical Physics*, **2014**, 41, 091911	4.4	9
25	Direct and fast measurement of CT beam filter profiles with simultaneous geometrical calibration. *Medical Physics*, **2017**, 44, 57-70	4.4	8
24	Radiation dose calculations for CT scans with tube current modulation using the approach to equilibrium function. *Medical Physics*, **2014**, 41, 111910	4.4	8
23	Transmission of broad W/Rh and W/Al (target/filter) x-ray beams operated at 25-49 kVp through common shielding materials. *Medical Physics*, **2012**, 39, 4132-8	4.4	8
22	A study of the midpoint dose to CTDI ratio: Implications for CT dose evaluation. *Medical Physics*, **2016**, 43, 5878	4.4	7
21	Exam-level dose monitoring in CT: Quality metric consideration for multiple series acquisitions. *Medical Physics*, **2019**, 46, 1575-1580	4.4	6
20	A parameterization method and application in breast tomosynthesis dosimetry. *Medical Physics*, **2013**, 40, 092105	4.4	6
19	Scatter radiation intensities around a clinical digital breast tomosynthesis unit and the impact on radiation shielding considerations. *Medical Physics*, **2016**, 43, 1096-110	4.4	6
18	Longitudinal dose distribution and energy absorption in PMMA and water cylinders undergoing CT scans. *Medical Physics*, **2014**, 41, 101912	4.4	5
17	Workload and transmission data for the installation of a digital breast tomosynthesis system. *Medical Physics*, **2013**, 40, 063901	4.4	5
16	Data of CT bow tie filter profiles from three modern CT scanners. *Data in Brief*, **2019**, 25, 104261	1.2	4
15	Assessment of radiation dose from abdominal quantitative CT with short scan length. *British Journal of Radiology*, **2017**, 90, 20160931	3.4	3
14	Radiation Dose and Risk Estimates of CT-Guided Percutaneous Liver Ablations and Factors Associated with Dose Reduction. *CardioVascular and Interventional Radiology*, **2018**, 41, 1935-1942	2.7	3
13	Characterization of radiation dose from tube current modulated CT examinations with considerations of both patient size and variable tube current. *Medical Physics*, **2017**, 44, 5413-5422	4.4	2
12	Quantifying breast density with a cone-beam breast CT **2010**,		2
11	Krüppel like factor 10 prevents intervertebral disc degeneration via TGF-β signaling pathway both and. *Journal of Orthopaedic Translation*, **2021**, 29, 19-29	4.2	2
10	Inhibition of miR-130b-3p restores autophagy and attenuates intervertebral disc degeneration through mediating ATG14 and PRKAA1.. *Apoptosis: an International Journal on Programmed Cell Death*, **2022**, 1	5.4	2

9	Radiation dose dependence on subject size in abdominal computed tomography: Water phantom and patient model comparison. *Medical Physics*, **2018**, 45, 2309-2317	4.4	1
8	CT dose equilibration and energy absorption in polyethylene cylinders with diameters from 6 to 55 cm. *Medical Physics*, **2015**, 42, 2882-91	4.4	1
7	Fetal dose evaluation for body CT examinations of pregnant patients during all stages of pregnancy. *European Journal of Radiology*, **2021**, 141, 109780	4.7	1
6	Radiation exposure in 101 non-coronary fluoroscopically guided interventional procedures: reference levels of air kerma at the reference point and air kerma area product. *British Journal of Radiology*, **2021**, 20211108	3.4	0
5	Experimental and numerical studies on kV scattered x-ray imaging for real-time image guidance in radiation therapy. *Physics in Medicine and Biology*, **2021**, 66, 045022	3.8	0
4	Patients undergoing multiple F-FDG PET/CT exams: Assessment of frequency, dose, and disease classification.. *British Journal of Radiology*, **2022**, 20211225	3.4	0
3	T-shirt size as a classification for body habitus in computed tomography (CT) and development of size-based dose reference levels for different indications.. *European Journal of Radiology*, **2022**, 151, 110289	4.7	0
2	Quantitative evaluation of transmission properties of breast tissue equivalent materials under Compton scatter imaging setup. *Physica Medica*, **2020**, 72, 32-38	2.7	
1	Patient-level dose monitoring in computed tomography: tracking cumulative dose from multiple multi-sequence exams with tube current modulation in children. *Pediatric Radiology*, **2021**, 51, 2498-2506	2.8	