

Xinhua Li

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

551
citations

687363

13
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713466

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48
all docs

48
docs citations

48
times ranked

514
citing authors

#	ARTICLE	IF	CITATIONS
1	A generic geometric calibration method for tomographic imaging systems with flat-panel detectors”A detailed implementation guide. Medical Physics, 2010, 37, 3844-3854.	3.0	68
2	Radiation Effective Dose Above 100 mSv From Fluoroscopically Guided Intervention: Frequency and Patient Medical Condition. American Journal of Roentgenology, 2020, 215, 433-440.	2.2	37
3	Initial Clinical Experience With Extremity Cone-Beam CT of the Foot and Ankle in Pediatric Patients. American Journal of Roentgenology, 2016, 206, 431-435.	2.2	28
4	A practical approach to estimate the weighted CT dose index over an infinite integration length. Physics in Medicine and Biology, 2011, 56, 5789-5803.	3.0	26
5	Monte Carlo assessment of CT dose equilibration in PMMA and water cylinders with diameters from 6 to 55 cm. Medical Physics, 2013, 40, 031903.	3.0	26
6	Procedure-specific CT Dose and Utilization Factors for CT-guided Interventional Procedures. Radiology, 2018, 289, 150-157.	7.3	25
7	Entrance skin dosimetry and size-specific dose estimate from pediatric chest CTA. Journal of Cardiovascular Computed Tomography, 2014, 8, 97-107.	1.3	21
8	Radiation Dose Monitoring for Fluoroscopically Guided Interventional Procedures: Effect on Patient Radiation Exposure. Radiology, 2019, 290, 744-749.	7.3	20
9	Effective Dose Assessment for Patients Undergoing Contemporary Fluoroscopically Guided Interventional Procedures. American Journal of Roentgenology, 2020, 214, 158-170.	2.2	20
10	Estimation of the weighted CTDI _w for multislice CT examinations. Medical Physics, 2012, 39, 901-905.	3.0	18
11	Automated Extraction of Radiation Dose Information From CT Dose Report Images. American Journal of Roentgenology, 2011, 196, W781-W783.	2.2	17
12	Sensitivity analysis of a geometric calibration method using projection matrices for digital tomosynthesis systems. Medical Physics, 2011, 38, 202-209.	3.0	16
13	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.	3.0	15
14	Equations for CT dose calculations on axial lines based on the principle of symmetry. Medical Physics, 2012, 39, 5347-5352.	3.0	13
15	A new technique to characterize CT scanner bowtie filter attenuation and applications in human cadaver dosimetry simulations. Medical Physics, 2015, 42, 6274-6282.	3.0	13
16	Data-Driven CT Protocol Review and Management”Experience From a Large Academic Hospital. Journal of the American College of Radiology, 2015, 12, 267-272.	1.8	11
17	Direct and fast measurement of CT beam filter profiles with simultaneous geometrical calibration. Medical Physics, 2017, 44, 57-70.	3.0	11
18	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, 27, 409-425.	4.9	11

#	ARTICLE	IF	CITATIONS
19	Radiation dose calculations for CT scans with tube current modulation using the approach to equilibrium function. <i>Medical Physics</i> , 2014, 41, 111910.	3.0	10
20	Comprehensive evaluation of broad-beam transmission of patient supports from three fluoroscopy-guided interventional systems. <i>Medical Physics</i> , 2018, 45, 1425-1432.	3.0	10
21	Kr ³ Äppel like factor 10 prevents intervertebral disc degeneration via TGF- β 2 signaling pathway both in vitro and in vivo. <i>Journal of Orthopaedic Translation</i> , 2021, 29, 19-29.	3.9	10
22	Transmission of broad W/Rh and W/Al (target/filter) x-ray beams operated at 25-49 kVp through common shielding materials. <i>Medical Physics</i> , 2012, 39, 4132-4138.	3.0	9
23	<i>In vitro</i> dose measurements in a human cadaver with abdomen/pelvis CT scans. <i>Medical Physics</i> , 2014, 41, 091911.	3.0	9
24	A study of the short- to long-phantom dose ratios for CT scanning without table translation. <i>Medical Physics</i> , 2014, 41, 091912.	3.0	9
25	Scatter radiation intensities around a clinical digital breast tomosynthesis unit and the impact on radiation shielding considerations. <i>Medical Physics</i> , 2016, 43, 1096-1110.	3.0	9
26	A study of the midpoint dose to CTDI _{vol} ratio: Implications for CT dose evaluation. <i>Medical Physics</i> , 2016, 43, 5878-5888.	3.0	8
27	Data of CT bow tie filter profiles from three modern CT scanners. <i>Data in Brief</i> , 2019, 25, 104261.	1.0	8
28	Exam-level dose monitoring in CT : Quality metric consideration for multiple series acquisitions. <i>Medical Physics</i> , 2019, 46, 1575-1580.	3.0	8
29	A parameterization method and application in breast tomosynthesis dosimetry. <i>Medical Physics</i> , 2013, 40, 092105.	3.0	6
30	Workload and transmission data for the installation of a digital breast tomosynthesis system. <i>Medical Physics</i> , 2013, 40, 063901.	3.0	6
31	Longitudinal dose distribution and energy absorption in PMMA and water cylinders undergoing CT scans. <i>Medical Physics</i> , 2014, 41, 101912.	3.0	6
32	Characterization of radiation dose from tube current modulated CT examinations with considerations of both patient size and variable tube current. <i>Medical Physics</i> , 2017, 44, 5413-5422.	3.0	6
33	Patients undergoing multiple ¹⁸ F-FDG PET/CT exams: Assessment of frequency, dose and disease classification. <i>British Journal of Radiology</i> , 2022, 95, 20211225.	2.2	6
34	T-shirt size as a classification for body habitus in computed tomography (CT) and development of size-based dose reference levels for different indications. <i>European Journal of Radiology</i> , 2022, 151, 110289.	2.6	5
35	Radiation Dose and Risk Estimates of CT-Guided Percutaneous Liver Ablations and Factors Associated with Dose Reduction. <i>CardioVascular and Interventional Radiology</i> , 2018, 41, 1935-1942.	2.0	4
36	Radiation exposure in 101 non-coronary fluoroscopically guided interventional procedures: reference levels of air kerma at the reference point and air kerma area product. <i>British Journal of Radiology</i> , 2022, 95, 20211108.	2.2	4

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37	Assessment of radiation dose from abdominal quantitative CT with short scan length. British Journal of Radiology, 2017, 90, 20160931.	2.2	3
38	Radiation dose dependence on subject size in abdominal computed tomography: Water phantom and patient model comparison. Medical Physics, 2018, 45, 2309-2317.	3.0	3
39	Role of Primary Cilia in Skeletal Disorders. Stem Cells International, 2022, 2022, 1-12.	2.5	3
40	Quantifying breast density with a cone-beam breast CT. Proceedings of SPIE, 2010, , .	0.8	2
41	CT dose equilibration and energy absorption in polyethylene cylinders with diameters from 6 to 55 cm. Medical Physics, 2015, 42, 2882-2891.	3.0	2
42	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.	3.0	2
43	Fetal dose evaluation for body CT examinations of pregnant patients during all stages of pregnancy. European Journal of Radiology, 2021, 141, 109780.	2.6	2
44	Technical note: Advancing size-specific dose estimates in CT examinations: Dose estimates at longitudinal positions of scans. Medical Physics, 2022, 49, 1303-1311.	3.0	2
45	Power Spectrum Analysis of Breast Parenchyma with Digital Breast Tomosynthesis Images in a Longitudinal Screening Cohort from Two Vendors. Academic Radiology, 2022, 29, 841-850.	2.5	1
46	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.	2.0	1
47	Redox Imbalance in Chronic Inflammatory Diseases. BioMed Research International, 2022, 2022, 1-3.	1.9	1
48	Quantitative evaluation of transmission properties of breast tissue equivalent materials under Compton scatter imaging setup. Physica Medica, 2020, 72, 32-38.	0.7	0