

Kai Yang

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

979
citations

687363

13
h-index

454955

30
g-index

52
all docs

52
docs citations

52
times ranked

1210
citing authors

#	ARTICLE	IF	CITATIONS
1	Dedicated Breast CT: Initial Clinical Experience. <i>Radiology</i> , 2008, 246, 725-733.	7.3	338
2	Patients undergoing recurrent CT scans: assessing the magnitude. <i>European Radiology</i> , 2020, 30, 1828-1836.	4.5	105
3	Experimental validation of two dual-energy CT methods for proton therapy using heterogeneous tissue samples. <i>Medical Physics</i> , 2018, 45, 48-59.	3.0	61
4	Quantifying the effect of slice thickness, intravenous contrast and tube current on muscle segmentation: Implications for body composition analysis. <i>European Radiology</i> , 2018, 28, 2455-2463.	4.5	52
5	Radiation Effective Dose Above 100 mSv From Fluoroscopically Guided Intervention: Frequency and Patient Medical Condition. <i>American Journal of Roentgenology</i> , 2020, 215, 433-440.	2.2	37
6	Procedure-specific CT Dose and Utilization Factors for CT-guided Interventional Procedures. <i>Radiology</i> , 2018, 289, 150-157.	7.3	25
7	Non-Gaussian statistical properties of breast images. <i>Medical Physics</i> , 2012, 39, 7121-7130.	3.0	24
8	Investigation of spatial resolution characteristics of an in vivo microcomputed tomography system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 807, 129-136.	1.6	23
9	Stationary Computed Tomography for Space and other Resource-constrained Environments. <i>Scientific Reports</i> , 2018, 8, 14195.	3.3	22
10	X-ray-induced acoustic computed tomography for 3D breast imaging: A simulation study. <i>Medical Physics</i> , 2018, 45, 1662-1672.	3.0	21
11	Effective Dose Assessment for Patients Undergoing Contemporary Fluoroscopically Guided Interventional Procedures. <i>American Journal of Roentgenology</i> , 2020, 214, 158-170.	2.2	20
12	The Real Time Gait Phase Detection Based on Long Short-Term Memory. , 2018, , .		19
13	In Vivo Imaging Markers for Prediction of Radiotherapy Response in Patients with Nasopharyngeal Carcinoma: RESOLVE DWI versus DKI. <i>Scientific Reports</i> , 2018, 8, 15861.	3.3	17
14	Organ dose and total effective dose of whole-body CT in multiple myeloma patients. <i>Skeletal Radiology</i> , 2020, 49, 549-554.	2.0	17
15	Shading artifact correction in breast CT using an interleaved deep learning segmentation and maximum-likelihood polynomial fitting approach. <i>Medical Physics</i> , 2019, 46, 3414-3430.	3.0	15
16	Analysis of patients receiving ≥ 100 mSv during a computed tomography intervention. <i>European Radiology</i> , 2021, 31, 3065-3070.	4.5	14
17	Arsenic trioxide-based therapy in relapsed/refractory multiple myeloma patients: a meta-analysis and systematic review. <i>OncoTargets and Therapy</i> , 2014, 7, 1593.	2.0	11
18	Analysis of allogeneic hematopoietic stem cell transplantation with high-dose cyclophosphamide-induced immune tolerance for severe aplastic anemia. <i>International Journal of Hematology</i> , 2016, 104, 720-728.	1.6	11

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19	Direct and fast measurement of $\langle \text{CT} \rangle$ beam filter profiles with simultaneous geometrical calibration. <i>Medical Physics</i> , 2017, 44, 57-70.	3.0	11
20	Significance of Acquisition Parameters for Adipose Tissue Segmentation on CT Images. <i>American Journal of Roentgenology</i> , 2021, 217, 177-185.	2.2	11
21	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
22	Feasibility of Perioperative Micro-Computed Tomography of Human Lung Cancer Specimens: A Pilot Study. <i>Archives of Pathology and Laboratory Medicine</i> , 2019, 143, 319-325.	2.5	10
23	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
24	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
25	Data of CT bow tie filter profiles from three modern CT scanners. <i>Data in Brief</i> , 2019, 25, 104261.	1.0	8
26	Exam-level dose monitoring in CT : Quality metric consideration for multiple series acquisitions. <i>Medical Physics</i> , 2019, 46, 1575-1580.	3.0	8
27	Reducing Time and Patient Radiation of Computed Tomography-guided Thoracic Needle Biopsies With Single-rotation Axial Acquisitions. <i>Journal of Thoracic Imaging</i> , 2021, Publish Ahead of Print, 389-396.	1.5	8
28	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
29	Overexpression of miR-21 is involved in acute monocytic leukemia-associated angiogenesis by targeting IL-12. <i>Molecular Medicine Reports</i> , 2018, 18, 4122-4128.	2.4	6
30	MIR17HG genetic variations affect the susceptibility of IgA nephropathy in Chinese Han people. <i>Gene</i> , 2021, 800, 145838.	2.2	6
31	Comparative Study of the Efficacy of Allogeneic Hematopoietic Stem Cell Transplantation from Human Leukocyte Antigen-Haploidentical Related and Unrelated Donors in the Treatment of Leukemia. <i>Acta Haematologica</i> , 2014, 131, 37-44.	1.4	5
32	Multi-parameters of Magnetic Resonance Imaging to Estimate Ischemia-Reperfusion Injury after Stroke in Hyperglycemic Rats. <i>Scientific Reports</i> , 2019, 9, 2852.	3.3	5
33	Adenovirus co-expressing CD40 ligand and interleukin (IL)-2 contributes to maturation of dendritic cells and production of IL-12. <i>Biomedical Reports</i> , 2016, 5, 567-573.	2.0	4
34	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
35	Radiation shielding calculation for digital breast tomosynthesis rooms with an updated workload survey. <i>Journal of Radiological Protection</i> , 2017, 37, 230-246.	1.1	3
36	Assessment of radiation dose from abdominal quantitative CT with short scan length. <i>British Journal of Radiology</i> , 2017, 90, 20160931.	2.2	3

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37	Radiation dose dependence on subject size in abdominal computed tomography: Water phantom and patient model comparison. <i>Medical Physics</i> , 2018, 45, 2309-2317.	3.0	3
38	Practical alignment method for x-ray spectral measurement in micro-CT system based on 3D printing technology. <i>Biomedical Physics and Engineering Express</i> , 2016, 2, 037004.	1.2	2
39	Diffusion-kurtosis imaging predicts early radiotherapy response in nasopharyngeal carcinoma patients. <i>Oncotarget</i> , 2017, 8, 66128-66136.	1.8	2
40	UAVs-based Small Object Detection and Tracking in Various Complex Scenarios. , 2021, , .		2
41	Experimental and numerical studies on kV scattered x-ray imaging for real-time image guidance in radiation therapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 045022.	3.0	2
42	Fetal dose evaluation for body CT examinations of pregnant patients during all stages of pregnancy. <i>European Journal of Radiology</i> , 2021, 141, 109780.	2.6	2
43	Depleted HDAC3 attenuates hyperuricemia-induced renal interstitial fibrosis via miR-19b-3p/SF3B3 axis. <i>Cell Cycle</i> , 2022, 21, 450-461.	2.6	2
44	Technical note: Advancing size-specific dose estimates in CT examinations: Dose estimates at longitudinal positions of scans. <i>Medical Physics</i> , 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. <i>Academic Radiology</i> , 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. <i>Pediatric Radiology</i> , 2021, 51, 2498-2506.	2.0	1
47	HLA-Mismatched Hematopoietic Stem Cell Transplantation for Treatment of Chronic Myelogenous Leukemia.. <i>Blood</i> , 2008, 112, 1113-1113.	1.4	1
48	Quantitative evaluation of transmission properties of breast tissue equivalent materials under Compton scatter imaging setup. <i>Physica Medica</i> , 2020, 72, 32-38.	0.7	0