

Ke Li

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

801
citations

777949

13
h-index

620720

26
g-index

57
all docs

57
docs citations

57
times ranked

1049
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced CT techniques for hepatic microwave ablation zone monitoring and follow-up. Abdominal Radiology, 2022, 47, 2658-2668.	1.0	1
2	Reconstruction of three-dimensional tomographic patient models for radiation dose modulation in CT from two scout views using deep learning. Medical Physics, 2022, 49, 901-916.	1.6	6
3	Overcoming the challenges of inaccurate CT numbers in low dose CT. , 2022, , .		2
4	A dagger (€) photon counting detector system for both 2D and 3D interventional imaging. , 2022, , .		0
5	Diagnosis of Coronavirus Disease 2019 Pneumonia by Using Chest Radiography: Value of Artificial Intelligence. Radiology, 2021, 298, E88-E97.	3.6	102
6	Dynamic PET imaging with ultra-low-activity of 18F-FDG: unleashing the potential of total-body PET. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 4138-4141.	3.3	13
7	Development of an Integrated C-Arm Interventional Imaging System With a Strip Photon Counting Detector and a Flat Panel Detector. IEEE Transactions on Medical Imaging, 2021, 40, 3674-3685.	5.4	13
8	High Pitch Helical CT Reconstruction. IEEE Transactions on Medical Imaging, 2021, 40, 3077-3088.	5.4	7
9	A hybrid photon counting and flat panel detector system for periprocedural hemorrhage monitoring in the angio suite. , 2021, , .		5
10	Model-based inter- and intra-panel inconsistency correction for photon counting detector CT. , 2021, , .		1
11	Anomalous edge response of cadmium telluride-based photon counting detectors jointly caused by high-flux radiation and inter-pixel communication. Physics in Medicine and Biology, 2021, 66, 085006.	1.6	4
12	An experimental method to correct low-frequency concentric artifacts in photon counting CT. Physics in Medicine and Biology, 2021, 66, 175011.	1.6	9
13	First clinical experience of 106cm, long axial field-of-view (LAFOV) PET/CT: an elegant balance between standard axial (23cm) and total-body (194cm) systems. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 3755-3759.	3.3	11
14	Quantitative lung perfusion blood volume using dual energy CT-based effective atomic number (Z_{eff}) imaging. Medical Physics, 2021, 48, 6658-6672.	1.6	8
15	Is high sensitivity always desirable for a grating-based differential phase contrast imaging system?. Medical Physics, 2020, 47, 1215-1228.	1.6	3
16	Accuracy of weighted CTDI in estimating average dose delivered to CTDI phantoms: An experimental study. Medical Physics, 2020, 47, 6484-6499.	1.6	3
17	Fast acquisition with seamless stage translation (FASST) for a trimodal x-ray breast imaging system. Medical Physics, 2020, 47, 4356-4362.	1.6	4
18	Leveraging non-contrast head CT to improve the image quality of cerebral CT perfusion maps. Journal of Medical Imaging, 2020, 7, 063504.	0.8	1

#	ARTICLE	IF	CITATIONS
19	Analogous Lubberts effect in photon counting detectors. , 2020, 11312, .		0
20	Phase contrast CT enabled three-material decomposition in spectral CT imaging. , 2020, 11312, .		1
21	Ultra-low-dose limited renal CT for volumetric stone surveillance: advantages over standard unenhanced CT. Abdominal Radiology, 2019, 44, 227-233.	1.0	11
22	Impacts of photon counting CT to maximum intensity projection (MIP) images of cerebral CT angiography: theoretical and experimental studies. Physics in Medicine and Biology, 2019, 64, 185015.	1.6	14
23	Statistical properties of cerebral CT perfusion imaging systems. Part II. Deconvolution-based systems. Medical Physics, 2019, 46, 4881-4897.	1.6	10
24	Task-driven optimization of the non-spectral mode of photon counting CT for intracranial hemorrhage assessment. Physics in Medicine and Biology, 2019, 64, 215014.	1.6	12
25	Statistical properties of cerebral CT perfusion imaging systems. Part I. Cerebral blood volume maps generated from nondeconvolution-based systems. Medical Physics, 2019, 46, 4869-4880.	1.6	5
26	Impact of noise reduction schemes on quantitative accuracy of CT numbers. Medical Physics, 2019, 46, 3013-3024.	1.6	9
27	An experimental method to directly measure $DQE(k)$ at $k = 0$ for 2D x-ray imaging systems. Physics in Medicine and Biology, 2019, 64, 075013.	1.6	1
28	Spectrum optimization in photon counting detector based iodine K-edge CT imaging. , 2019, , .		4
29	Human-compatible multi-contrast mammographic prototype system. , 2019, 10948, .		3
30	An experimental method to correct drift-induced error in zero-frequency DQE measurement. , 2019, 10948, .		5
31	Impact of the sensitivity factor on the signal-to-noise ratio in grating-based phase contrast imaging. , 2019, 10948, .		0
32	Time-resolved C-arm cone beam CT angiography (TR-CBCTA) imaging from a single short-scan C-arm cone beam CT acquisition with intra-arterial contrast injection. Physics in Medicine and Biology, 2018, 63, 075001.	1.6	8
33	Low-dose cone-beam CT via raw counts domain low-signal correction schemes: Performance assessment and task-based parameter optimization (Part II: Task-based) Tj ETQq1 1 01784314 r/gBT /Overlock 10 T	1.6	14
34	Low-dose cone-beam CT via raw counts domain low-signal correction schemes: Performance assessment and task-based parameter optimization (Part I: Assessment of spatial resolution and noise) Tj ETQq0 0 01784314 r/gBT /Overlock 10 T	1.6	14
35	Reduced anatomical clutter in digital breast tomosynthesis with statistical iterative reconstruction. Medical Physics, 2018, 45, 2009-2022.	1.6	16
36	Impact of anti-charge sharing on the zero-frequency detective quantum efficiency of CdTe-based photon counting detector system: cascaded systems analysis and experimental validation. Physics in Medicine and Biology, 2018, 63, 095003.	1.6	13

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37	Quantification of Liver Fat Content With Unenhanced MDCT: Phantom and Clinical Correlation With MRI Proton Density Fat Fraction. American Journal of Roentgenology, 2018, 211, W151-W157.	1.0	73
38	Quantitative accuracy of CT numbers: Theoretical analyses and experimental studies. Medical Physics, 2018, 45, 4519-4528.	1.6	15
39	Modified ideal observer model (MIOM) for high-contrast and high-spatial resolution CT imaging tasks. Medical Physics, 2017, 44, 4496-4505.	1.6	6
40	Studies of signal estimation bias in grating-based x-ray multicontrast imaging. Medical Physics, 2017, 44, 2453-2465.	1.6	10
41	A platform-independent method to reduce CT truncation artifacts using discriminative dictionary representations. Medical Physics, 2017, 44, 121-131.	1.6	5
42	Signal and noise characteristics of a CdTe-based photon counting detector: cascaded systems analysis and experimental studies. Proceedings of SPIE, 2017, 10132, .	0.8	6
43	Prospective Evaluation of Reduced Dose Computed Tomography for the Detection of Low-Contrast Liver Lesions: Direct Comparison with Concurrent Standard Dose Imaging. European Radiology, 2017, 27, 2055-2066.	2.3	38
44	Impact of bowtie filter and object position on the two-dimensional noise power spectrum of a clinical MDCT system. Medical Physics, 2016, 43, 4495-4506.	1.6	4
45	Hi-Res scan mode in clinical MDCT systems: Experimental assessment of spatial resolution performance. Medical Physics, 2016, 43, 2399-2409.	1.6	25
46	Can conclusions drawn from phantom-based image noise assessments be generalized to <i>in vivo</i> studies for the nonlinear model-based iterative reconstruction method?. Medical Physics, 2016, 43, 687-695.	1.6	5
47	Noise characteristics of CT perfusion imaging: how does noise propagate from source images to final perfusion maps?. Proceedings of SPIE, 2016, 9783, .	0.8	5
48	C-arm cone beam CT perfusion imaging using the SMART-RECON algorithm to improve temporal sampling density and temporal resolution. Proceedings of SPIE, 2016, 9783, .	0.8	1
49	Influence of radiation dose and reconstruction algorithm in MDCT assessment of airway wall thickness: A phantom study. Medical Physics, 2015, 42, 5919-5927.	1.6	8
50	Statistical model based iterative reconstruction in clinical CT systems. Part III. Task-based kV/mAs optimization for radiation dose reduction. Medical Physics, 2015, 42, 5209-5221.	1.6	9
51	Anatomical background noise power spectrum in differential phase contrast and dark field contrast mammograms. Medical Physics, 2014, 41, 120701.	1.6	11
52	Statistical model based iterative reconstruction (MBIR) in clinical CT systems: Experimental assessment of noise performance. Medical Physics, 2014, 41, 041906.	1.6	104
53	Statistical model based iterative reconstruction (MBIR) in clinical CT systems. Part II. Experimental assessment of spatial resolution performance. Medical Physics, 2014, 41, 071911.	1.6	77
54	Spatial resolution characterization of differential phase contrast CT systems via modulation transfer function (MTF) measurements. Physics in Medicine and Biology, 2013, 58, 4119-4135.	1.6	16

#	ARTICLE	IF	CITATIONS
55	Grating-based phase contrast tomosynthesis imaging: Proof-of-concept experimental studies. Medical Physics, 2013, 41, 011903.	1.6	31
56	Fundamental relationship between the noise properties of grating-based differential phase contrast CT and absorption CT: Theoretical framework using a cascaded system model and experimental validation. Medical Physics, 2013, 40, 021908.	1.6	19
57	Correlation between human observer performance and model observer performance in differential phase contrast CT. Medical Physics, 2013, 40, 111905.	1.6	13