

Shengzhen Tao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8626418/publications.pdf>

Version: 2024-02-01

36
papers

1,051
citations

471061

17
h-index

433756

31
g-index

36
all docs

36
docs citations

36
times ranked

978
citing authors

#	ARTICLE	IF	CITATIONS
1	Technical note: Evaluation of Artificial 120kV kilovolt computed tomography images for radiation therapy applications. Medical Physics, 2022, , .	1.6	1
2	Optimization of fast gray matter acquisition T1 inversion recovery (FGATIR) on 7T MRI for deep brain stimulation targeting. NeuroImage, 2022, 252, 119043.	2.1	9
3	Photon Counting CT: Clinical Applications and Future Developments. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 441-452.	2.7	68
4	Technical Note: kV-independent coronary calcium scoring: A phantom evaluation of score accuracy and potential radiation dose reduction. Medical Physics, 2021, 48, 1307-1314.	1.6	10
5	Improved coronary calcification quantification using photon-counting-detector CT: an ex vivo study in cadaveric specimens. European Radiology, 2021, 31, 6621-6630.	2.3	37
6	Implementation and experimental evaluation of Mega-voltage fan-beam CT using a linear accelerator. Radiation Oncology, 2021, 16, 139.	1.2	1
7	Distortion-free imaging: A double encoding method (DIADDEM) combined with multiband imaging for rapid distortion-free high-resolution diffusion imaging on a compact 3T with high-performance gradients. Journal of Magnetic Resonance Imaging, 2020, 51, 296-310.	1.9	15
8	Dose Reduction for Sinus and Temporal Bone Imaging Using Photon-Counting Detector CT With an Additional Tin Filter. Investigative Radiology, 2020, 55, 91-100.	3.5	86
9	Deep-learning-based direct inversion for material decomposition. Medical Physics, 2020, 47, 6294-6309.	1.6	26
10	Quantitative Knee Arthrography in a Large Animal Model of Osteoarthritis Using Photon-Counting Detector CT. Investigative Radiology, 2020, 55, 349-356.	3.5	22
11	Multi-energy CT imaging for large patients using dual-source photon-counting detector CT. Physics in Medicine and Biology, 2020, 65, 17NT01.	1.6	14
12	Noise reduction in CT image using prior knowledge aware iterative denoising. Physics in Medicine and Biology, 2020, , .	1.6	6
13	A Blooming correction technique for improved vasa vasorum detection using an ultra-high-resolution photon-counting detector CT. , 2020, 11312, .		3
14	Feasibility of multi-contrast imaging on dual-source photon counting detector (PCD) CT: An initial phantom study. Medical Physics, 2019, 46, 4105-4115.	1.6	41
15	Photon-counting Detector CT: System Design and Clinical Applications of an Emerging Technology. Radiographics, 2019, 39, 729-743.	1.4	270
16	Dual-source photon counting detector CT with a tin filter: a phantom study on iodine quantification performance. Physics in Medicine and Biology, 2019, 64, 115019.	1.6	18
17	Improving iodine contrast to noise ratio using virtual monoenergetic imaging and prior-knowledge-aware iterative denoising (mono-PKAID). Physics in Medicine and Biology, 2019, 64, 105014.	1.6	19
18	Impact of Effective Detector Pixel and CT Voxel Size on Accurate Estimation of Blood Volume in Opacified Microvasculature. Academic Radiology, 2019, 26, 1410-1416.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Partial fourier shells trajectory for non-cartesian MRI. Physics in Medicine and Biology, 2019, 64, 04NT01.	1.6	3
20	Impact of prior information on material decomposition in dual- and multienergy computed tomography. Journal of Medical Imaging, 2019, 6, 1.	0.8	7
21	Quantitative cartilage imaging using spectral photon-counting detector based computed tomography. , 2019, , .		1
22	Pancreatic Stiffness Quantified with MR Elastography: Relationship to Postoperative Pancreatic Fistula after Pancreaticoenteric Anastomosis. Radiology, 2018, 288, 476-484.	3.6	43
23	The effect of concomitant fields in fast spin echo acquisition on asymmetric MRI gradient systems. Magnetic Resonance in Medicine, 2018, 79, 1354-1364.	1.9	9
24	Concomitant field compensation for MRI systems employing asymmetric transverse gradient coils. Magnetic Resonance in Medicine, 2018, 79, 1538-1544.	1.9	30
25	Differentiation of benign and malignant solid pancreatic masses using magnetic resonance elastography with spin-echo echo planar imaging and three-dimensional inversion reconstruction: a prospective study. European Radiology, 2018, 28, 936-945.	2.3	36
26	Magnetization-prepared shells trajectory with automated gradient waveform design. Magnetic Resonance in Medicine, 2018, 79, 2024-2035.	1.9	3
27	Improving apparent diffusion coefficient accuracy on a compact 3T MRI scanner using gradient nonlinearity correction. Journal of Magnetic Resonance Imaging, 2018, 48, 1498-1507.	1.9	13
28	Material decomposition with prior knowledge aware iterative denoising (MD-PKAID). Physics in Medicine and Biology, 2018, 63, 195003.	1.6	39
29	Ultra-high resolution photon-counting detector CT reconstruction using spectral prior image constrained compressed-sensing (UHR-SPICCS). , 2018, 10573, .		7
30	Image-based gradient non-linearity characterization to determine higher-order spherical harmonic coefficients for improved spatial position accuracy in magnetic resonance imaging. Magnetic Resonance Imaging, 2017, 38, 54-62.	1.0	19
31	Gradient pre-emphasis to counteract first-order concomitant fields on asymmetric MRI gradient systems. Magnetic Resonance in Medicine, 2017, 77, 2250-2262.	1.9	30
32	Partial fourier and parallel MR image reconstruction with integrated gradient nonlinearity correction. Magnetic Resonance in Medicine, 2016, 75, 2534-2544.	1.9	12
33	Technical Note: Compact three-tesla magnetic resonance imager with high-performance gradients passes ACR image quality and acoustic noise tests. Medical Physics, 2016, 43, 1259-1264.	1.6	23
34	Magnetic Resonance Elastography for the Evaluation of Liver Fibrosis in Chronic Hepatitis B and C by Using Both Gradient-Recalled Echo and Spin-Echo Echo Planar Imaging: A Prospective Study. American Journal of Gastroenterology, 2016, 111, 823-833.	0.2	66
35	NonCartesian MR image reconstruction with integrated gradient nonlinearity correction. Medical Physics, 2015, 42, 7190-7201.	1.6	17
36	Integrated image reconstruction and gradient nonlinearity correction. Magnetic Resonance in Medicine, 2015, 74, 1019-1031.	1.9	42