

Joscha Maier

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

310
citations

933447

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996975

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16
docs citations

16
times ranked

347
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Scatter Estimation (DSE): Accurate Real-Time Scatter Estimation for X-Ray CT Using a Deep Convolutional Neural Network. Journal of Nondestructive Evaluation, 2018, 37, 1.	2.4	68
2	Real-time scatter estimation for medical CT using the deep scatter estimation: Method and robustness analysis with respect to different anatomies, dose levels, tube voltages, and data truncation. Medical Physics, 2019, 46, 238-249.	3.0	65
3	Robust primary modulation-based scatter estimation for cone-beam CT. Medical Physics, 2015, 42, 469-478.	3.0	31
4	An efficient computational approach to model statistical correlations in photon counting x-ray detectors. Medical Physics, 2016, 43, 3945-3960.	3.0	21
5	Deep learning-based coronary artery motion estimation and compensation for short-scan cardiac CT. Medical Physics, 2021, 48, 3559-3571.	3.0	19
6	X-ray spectrum estimation for accurate attenuation simulation. Medical Physics, 2017, 44, 6183-6194.	3.0	15
7	Real-time estimation of patient-specific dose distributions for medical CT using the deep dose estimation. Medical Physics, 2022, 49, 2259-2269.	3.0	13
8	Assessment of dedicated low-dose cardiac micro-CT reconstruction algorithms using the left ventricular volume of small rodents as a performance measure. Medical Physics, 2014, 41, 051908.	3.0	11
9	Simulation-based artifact correction (SBAC) for metrological computed tomography. Measurement Science and Technology, 2017, 28, 065011.	2.6	11
10	In Vivo Quantification of Myocardial Infarction in Mice Using Micro-CT and a Novel Blood Pool Agent. Contrast Media and Molecular Imaging, 2017, 2017, 1-7.	0.8	11
11	Deep Scatter Estimation in PET: Fast Scatter Correction Using a Convolutional Neural Network. , 2018, , ,		10
12	Deep learning-based forward and cross-scatter correction in dual-source CT. Medical Physics, 2021, 48, 4824-4842.	3.0	9
13	Coronary micro-computed tomography angiography in mice. Scientific Reports, 2020, 10, 16866.	3.3	7
14	Dose reduction potential in diagnostic single energy CT through patient-specific prefilters and a wider range of tube voltages. Medical Physics, 2022, 49, 93-106.	3.0	7
15	Empirical scatter correction: CBCT scatter artifact reduction without prior information. Medical Physics, 2022, 49, 4566-4584.	3.0	7
16	Effect of detruncation on the accuracy of Monte Carlo-based scatter estimation in truncated CBCT. Medical Physics, 2018, 45, 3574-3590.	3.0	5