Wenxiang Cong

List of Publications by Year
in descending order

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30 papers	737 citations	1040056 9 h-index	642732 23 g-index
30 all docs	30 docs citations	30 times ranked	907 citing authors

#	Article	IF	Citations
1	Low-Dimensional Manifold-Constrained Disentanglement Network for Metal Artifact Reduction. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 656-666.	3.7	6
2	Phase function estimation from a diffuse optical image via deep learning. Physics in Medicine and Biology, 2022, 67, 074001.	3.0	2
3	Projection decomposition via univariate optimization for dual-energy CT. Journal of X-Ray Science and Technology, 2022, , 1-12.	1.0	1
4	Monochromatic image reconstruction via machine learning. Machine Learning: Science and Technology, 2021, 2, 025032.	5.0	3
5	A feasibility analysis on simultaneous electron density and attenuation coefficient reconstruction. Medical Physics, 2021, 48, 7236-7249.	3.0	0
6	CT Super-Resolution GAN Constrained by the Identical, Residual, and Cycle Learning Ensemble (GAN-CIRCLE). IEEE Transactions on Medical Imaging, 2020, 39, 188-203.	8.9	289
7	Virtual Monoenergetic CT Imaging via Deep Learning. Patterns, 2020, 1, 100128.	5.9	26
8	Deep Efficient End-to-End Reconstruction (DEER) Network for Few-View Breast CT Image Reconstruction. IEEE Access, 2020, 8, 196633-196646.	4.2	26
9	Clinical Micro-CT Empowered by Interior Tomography, Robotic Scanning, and Deep Learning. IEEE Access, 2020, 8, 229018-229032.	4.2	7
10	X-ray luminescence imaging for small animals. , 2020, 11224, .		3
11	Fully Convolutional Pyramidal Residual Network for Material Discrimination of Spectral CT. IEEE Access, 2019, 7, 167187-167194.	4.2	1
12	Correction for â€œ3D Convolutional Encoder-Decoder Network for Low-Dose CT via Transfer Learning From a 2D Trained Networkâ€•[Jun 18 1522-1534]. IEEE Transactions on Medical Imaging, 2018, 37, 2750-2750.	8.9	7
13	Structurally-Sensitive Multi-Scale Deep Neural Network for Low-Dose CT Denoising. IEEE Access, 2018, 6, 41839-41855.	4.2	169
14	Radiative transfer with delta-Eddington-type phase functions. Applied Mathematics and Computation, 2017, 300, 70-78.	2.2	3
15	High-resolution X-ray phase-contrast imaging with a grating interferometer. Journal of the Korean Physical Society, 2017, 71, 538-542.	0.7	4
16	Optical tomographic imaging for breast cancer detection. Journal of Biomedical Optics, 2017, 22, 1.	2.6	16
17	Translational Molecular Imaging Computing: Advances in Theories and Applications. BioMed Research International, 2016, 2016, 1-2.	1.9	0
18	A mixed reality approach for stereo-tomographic quantification of lung nodules. Journal of X-Ray Science and Technology, 2016, 24, 615-625.	1.0	2

#	Article	IF	Citations
19	Sinogram-based attenuation correction in PET/CT. Journal of X-Ray Science and Technology, 2016, 24, 9-22.	1.0	1
20	Fully 3D geometrical calibration forÂanÂX-ray grating-based imaging system. Journal of X-Ray Science and Technology, 2016, 24, 821-836.	1.0	3
21	Interior tomography from differential phase contrast data via Hilbert transform based on spline functions. , 2016, 9967, .		0
22	Spectral CT Reconstruction With Image Sparsity and Spectral Mean. IEEE Transactions on Computational Imaging, 2016, 2, 510-523.	4.4	86
23	X-ray CT geometrical calibration via locally linear embedding. Journal of X-Ray Science and Technology, 2016, 24, 241-256.	1.0	18
24	Spectral X-Ray CT Image Reconstruction with a Combination of Energy-Integrating and Photon-Counting Detectors. PLoS ONE, 2016, 11, e0155374.	2.5	8
25	Spectral CT reconstruction using image sparsity and spectral correlation. , 2015, , .		3
26	Dynamic Bowtie Filter for Cone-Beam/Multi-Slice CT. PLoS ONE, 2014, 9, e103054.	2.5	20
27	Top-level design and pilot analysis of low-end CT scanners based on linear scanning for developing countries. Journal of X-Ray Science and Technology, 2014, 22, 673-686.	1.0	8
28	X-ray fan-beam luminescence tomography. , 2014, , .		3
29	X-ray micromodulated luminescence tomography in dual-cone geometry. Journal of Biomedical Optics, 2014, 19, 076002.	2.6	22
30	Mathematical Methods in Biomedical Imaging. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-2.	1.3	0