Yanye Lu

List of Publications by Year
in descending order

39 papers	603 citations	623734 14 h-index	642732 23 g-index
41 all docs	41 docs citations	41 times ranked	549 citing authors

#	Article	IF	Citations
1	Noise reduction in optical coherence tomography images using a deep neural network with perceptually-sensitive loss function. Biomedical Optics Express, 2020, 11, 817.	2.9	71
2	Retinal image synthesis from multiple-landmarks input with generative adversarial networks. BioMedical Engineering OnLine, 2019, 18, 62.	2.7	59
3	Content-Noise Complementary Learning for Medical Image Denoising. IEEE Transactions on Medical Imaging, 2022, 41, 407-419.	8.9	54
4	Progress in the Development of CdZnTe Unipolar Detectors for Different Anode Geometries and Data Corrections. Sensors, 2013, 13, 2447-2474.	3.8	43
5	Comparative study of deep learning models for optical coherence tomography angiography. Biomedical Optics Express, 2020, 11, 1580.	2.9	35
6	A deep learning based pipeline for optical coherence tomography angiography. Journal of Biophotonics, 2019, 12, e201900008.	2.3	31
7	A learningâ€based material decomposition pipeline for multiâ€energy xâ€ray imaging. Medical Physics, 2019, 46, 689-703.	3.0	24
8	An Integrated Quad-Modality Molecular Imaging System for Small Animals. Journal of Nuclear Medicine, 2014, 55, 1375-1379.	5.0	23
9	<scp>N2NSRâ€OCT</scp>: Simultaneous denoising and superâ€resolution in optical coherence tomography images using semisupervised deep learning. Journal of Biophotonics, 2021, 14, e202000282.	2.3	23
10	Weakly Supervised Deep Learning-Based Optical Coherence Tomography Angiography. IEEE Transactions on Medical Imaging, 2021, 40, 688-698.	8.9	20
11	Ultrasensitive and simultaneous determination of RNA modified nucleotides by sheathless interfaced capillary electrophoresisâ€“tandem mass spectrometry. Chemical Communications, 2019, 55, 7595-7598.	4.1	18
12	Comparative study of deep neural networks with unsupervised <scp>Noise2Noise</scp> strategy for noise reduction of optical coherence tomography images. Journal of Biophotonics, 2021, 14, e202100151.	2.3	17
13	Development of a SiPM-based PET imaging system for small animals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 743, 30-38.	1.6	16
14	Functional imaging of human retina using integrated multispectral and laser speckle contrast imaging. Journal of Biophotonics, 2022, 15, e202100285.	2.3	15
15	Material Decomposition Using Ensemble Learning for Spectral X-ray Imaging. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 194-204.	3.7	14
16	Association of Cigarette Smoking with Sleep Disturbance and Neurotransmitters in Cerebrospinal Fluid . Nature and Science of Sleep, 2020, Volume 12, 801-808.	2.7	14
17	Learning the Superpixel in a Non-iterative and Lifelong Manner. , 2021, , .		14
18	PMS-GAN: Parallel Multi-Stream Generative Adversarial Network for Multi-Material Decomposition in Spectral Computed Tomography. IEEE Transactions on Medical Imaging, 2021, 40, 571-584.	8.9	12

#	Article	IF	Citations
19	Gram-scale synthesis of a neodymium chelate as a spectral CT and second near-infrared window imaging agent for visualizing the gastrointestinal tract in vivo. Journal of Materials Chemistry B, 2021, 9, 2285-2294.	5.8	12
20	Triplet Cross-Fusion Learning for Unpaired Image Denoising in Optical Coherence Tomography. IEEE Transactions on Medical Imaging, 2022, 41, 3357-3372.	8.9	12
21	A super-resolution method-based pipeline for fundus fluorescein angiography imaging. BioMedical Engineering OnLine, 2018, 17, 125.	2.7	11
22	Automated Analysis of Choroidal Sublayer Morphologic Features in Myopic Children Using EDI-OCT by Deep Learning. Translational Vision Science and Technology, 2021, 10, 12.	2.2	9
23	Traditional machine learning for limited angle tomography. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 11-19.	2.8	8
24	Position mapping and a uniformity correction method for small-animal SPECT based on connected regional recognition. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 704, 1-6.	1.6	6
25	3-D printing based production of head and neck masks for radiation therapy using CT volume data: A fully automatic framework. , 2016, , .		6
26	Retinal choroidal vessel imaging based on multi-wavelength fundus imaging with the guidance of optical coherence tomography. Biomedical Optics Express, 2020, 11, 5212.	2.9	6
27	In vivo long-term investigation of tumor bearing mKate2 by an in-house fluorescence molecular imaging system. BioMedical Engineering OnLine, 2018, 17, 187.	2.7	5
28	Projection-Based Denoising Method for Photon-Counting Energy-Resolving Detectors. Informatik Aktuell, 2015, , 137-142.	0.6	4
29	Multiple Lesions Insertion: boosting diabetic retinopathy screening through Poisson editing. Biomedical Optics Express, 2021, 12, 2773.	2.9	3
30	Synergistically segmenting choroidal layer and vessel using deep learning for choroid structure analysis. Physics in Medicine and Biology, 2022, 67, 085001.	3.0	3
31	Development of a small animal SPECT imager with LYSO scintillator arrays and PSPMTs. , 2013, , .		2
32	Bridge to real data: Empirical multiple material calibration for learning-based material decomposition. , 2016, , .		2
33	Cherenkov excited luminescence imaging induced by megavolt X-ray beams in the second near-infrared window. Optics Communications, 2019, 452, 417-421.	2.1	2
34	A practical calibration criterion for image-based material decomposition in spectral computed tomography. AEJ - Alexandria Engineering Journal, 2020, 59, 1371-1379.	6.4	2
35	Rapid, wide-field, high quality laser speckle angiography for retinal and choroidal vessels. Laser Physics Letters, 2021, 18, 055601.	1.4	2
36	Rethinking the neighborhood information for deep learningâ€based optical coherence tomography angiography. Medical Physics, 2022, 49, 3705-3716.	3.0	2

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37	A modularly designed fluorescence molecular tomography system for multi-modality imaging. Journal of X-Ray Science and Technology, 2015, 23, 147-156.	1.0	1
38	Traditional Machine Learning Techniques for Streak Artifact Reduction in Limited Angle Tomography. Informatik Aktuell, 2018, , 222-227.	0.6	1
39	Noninvasive Measurement of Retinal Oxygen Saturation and Vessel Diameter Changes in Diabetes Mellitus Patients. Laser and Optoelectronics Progress, 2020, 57, 051701.	0.6	0