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	Content-Noise Complementary Learning for Medical Image Denoising. IEEE Transactions on Medical Imaging, 2022, 41, 407-419.	8.9	54
2	Functional imaging of human retina using integrated multispectral and laser speckle contrast imaging. Journal of Biophotonics, 2022, 15, e202100285.	2.3	15
3	Rethinking the neighborhood information for deep learningâ€based optical coherence tomography angiography. Medical Physics, 2022, 49, 3705-3716.	3.0	2
4	Synergistically segmenting choroidal layer and vessel using deep learning for choroid structure analysis. Physics in Medicine and Biology, 2022, 67, 085001.	3.0	3
5	Triplet Cross-Fusion Learning for Unpaired Image Denoising in Optical Coherence Tomography. IEEE Transactions on Medical Imaging, 2022, 41, 3357-3372.	8.9	12
6	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
7	<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
8	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
9	Weakly Supervised Deep Learning-Based Optical Coherence Tomography Angiography. IEEE Transactions on Medical Imaging, 2021, 40, 688-698.	8.9	20
10	Multiple Lesions Insertion: boosting diabetic retinopathy screening through Poisson editing. Biomedical Optics Express, 2021, 12, 2773.	2.9	3
11	Rapid, wide-field, high quality laser speckle angiography for retinal and choroidal vessels. Laser Physics Letters, 2021, 18, 055601.	1.4	2
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	Learning the Superpixel in a Non-iterative and Lifelong Manner. , 2021, , .		14
14	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
15	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
16	A practical calibration criterion for image-based material decomposition in spectral computed tomography. AEJ - Alexandria Engineering Journal, 2020, 59, 1371-1379.	6.4	2
17	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
18	Comparative study of deep learning models for optical coherence tomography angiography. Biomedical Optics Express, 2020, 11, 1580.	2.9	35

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19	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
20	Noninvasive Measurement of Retinal Oxygen Saturation and Vessel Diameter Changes in Diabetes Mellitus Patients. Laser and Optoelectronics Progress, 2020, 57, 051701.	0.6	0
21	Traditional machine learning for limited angle tomography. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 11-19.	2.8	8
22	Retinal image synthesis from multiple-landmarks input with generative adversarial networks. BioMedical Engineering OnLine, 2019, 18, 62.	2.7	59
23	A deep learning based pipeline for optical coherence tomography angiography. Journal of Biophotonics, 2019, 12, e201900008.	2.3	31
24	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
25	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
26	A learningâ€based material decomposition pipeline for multiâ€energy xâ€ray imaging. Medical Physics, 2019, 46, 689-703.	3.0	24
27	Traditional Machine Learning Techniques for Streak Artifact Reduction in Limited Angle Tomography. Informatik Aktuell, 2018, , 222-227.	0.6	1
28	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
29	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
30	A super-resolution method-based pipeline for fundus fluorescein angiography imaging. BioMedical Engineering OnLine, 2018, 17, 125.	2.7	11
31	Bridge to real data: Empirical multiple material calibration for learning-based material decomposition. , 2016, , .		2
32	3-D printing based production of head and neck masks for radiation therapy using CT volume data: A fully automatic framework. , 2016, , .		6
33	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
34	Projection-Based Denoising Method for Photon-Counting Energy-Resolving Detectors. Informatik Aktuell, 2015, , 137-142.	0.6	4
35	An Integrated Quad-Modality Molecular Imaging System for Small Animals. Journal of Nuclear Medicine, 2014, 55, 1375-1379.	5.0	23
36	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

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37	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
38	Development of a small animal SPECT imager with LYSO scintillator arrays and PSPMTs. , 2013, , .		2
39	Progress in the Development of CdZnTe Unipolar Detectors for Different Anode Geometries and Data Corrections. Sensors, 2013, 13, 2447-2474.	3.8	43