

Qiushi Ren

List of Publications by Year in descending order

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49
papers

1,007
citations

567281

15
h-index

454955

30
g-index

50
all docs

50
docs citations

50
times ranked

1770
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene/Intermetallic PtPb Nanoplates Composites for Boosting Electrochemical Detection of H_2O_2 Released from Cells. <i>Analytical Chemistry</i> , 2017, 89, 3761-3767.	6.5	186
2	^{64}Cu -Doped PdCu@Au Tripods: A Multifunctional Nanomaterial for Positron Emission Tomography and Image-Guided Photothermal Cancer Treatment. <i>ACS Nano</i> , 2016, 10, 3121-3131.	14.6	96
3	Mirror-enhanced super-resolution microscopy. <i>Light: Science and Applications</i> , 2016, 5, e16134-e16134.	16.6	74
4	Noise reduction in optical coherence tomography images using a deep neural network with perceptually-sensitive loss function. <i>Biomedical Optics Express</i> , 2020, 11, 817.	2.9	71
5	Retinal image synthesis from multiple-landmarks input with generative adversarial networks. <i>BioMedical Engineering OnLine</i> , 2019, 18, 62.	2.7	59
6	Fibronectin-targeted dual-acting micelles for combination therapy of metastatic breast cancer. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 12.	17.1	41
7	Comparative study of deep learning models for optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2020, 11, 1580.	2.9	35
8	Establishing Reliable $Cu-64$ Production Process: From Target Plating to Molecular Specific Tumor Micro-PET Imaging. <i>Molecules</i> , 2017, 22, 641.	3.8	33
9	A deep learning based pipeline for optical coherence tomography angiography. <i>Journal of Biophotonics</i> , 2019, 12, e201900008.	2.3	31
10	Dual band dual focus optical coherence tomography for imaging the whole eye segment. <i>Biomedical Optics Express</i> , 2015, 6, 2481.	2.9	27
11	A machine learning-based algorithm used to estimate the physiological elongation of ocular axial length in myopic children. <i>Eye and Vision (London, England)</i> , 2020, 7, 50.	3.0	27
12	A learning-based material decomposition pipeline for multi-energy X-ray imaging. <i>Medical Physics</i> , 2019, 46, 689-703.	3.0	24
13	An Integrated Quad-Modality Molecular Imaging System for Small Animals. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1375-1379.	5.0	23
14	$N_2NSR-OCT$: Simultaneous denoising and super-resolution in optical coherence tomography images using semisupervised deep learning. <i>Journal of Biophotonics</i> , 2021, 14, e202000282.	2.3	23
15	Hacking the optical diffraction limit: Review on recent developments of fluorescence nanoscopy. <i>Science Bulletin</i> , 2011, 56, 1857-1876.	1.7	18
16	Comparative study of deep neural networks with unsupervised $Noise2Noise$ strategy for noise reduction of optical coherence tomography images. <i>Journal of Biophotonics</i> , 2021, 14, e202100151.	2.3	17
17	Electrically Evoked Responses in the Rabbit Cortex Induced by Current Steering With Penetrating Optic Nerve Electrodes. , 2016, 57, 6327.		16
18	Biocompatible hyaluronic acid polymer-coated quantum dots for CD44+ cancer cell-targeted imaging. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	15

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19	Functional imaging of human retina using integrated multispectral and laser speckle contrast imaging. <i>Journal of Biophotonics</i> , 2022, 15, e202100285.	2.3	15
20	Material Decomposition Using Ensemble Learning for Spectral X-ray Imaging. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018, 2, 194-204.	3.7	14
21	<p>Association of Cigarette Smoking with Sleep Disturbance and Neurotransmitters in Cerebrospinal Fluid</p>. <i>Nature and Science of Sleep</i> , 2020, Volume 12, 801-808.	2.7	14
22	Viscous optical clearing agent for<i>in vivo</i>optical imaging. <i>Journal of Biomedical Optics</i> , 2014, 19, 076019.	2.6	13
23	Targeted AuCore-Agshell nanorods as a dual-functional contrast agent for photoacoustic imaging and photothermal therapy. <i>Biomedical Optics Express</i> , 2016, 7, 1830.	2.9	12
24	Triplet Cross-Fusion Learning for Unpaired Image Denoising in Optical Coherence Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 3357-3372.	8.9	12
25	Concentration dependence of optical clearing on the enhancement of laser-scanning optical-resolution photoacoustic microscopy imaging. <i>Journal of Biomedical Optics</i> , 2014, 19, 036019.	2.6	11
26	A super-resolution method-based pipeline for fundus fluorescein angiography imaging. <i>BioMedical Engineering OnLine</i> , 2018, 17, 125.	2.7	11
27	Machine learning based strategy surpasses the traditional method for selecting the first trial Lens parameters for corneal refractive therapy in Chinese adolescents with myopia. <i>Contact Lens and Anterior Eye</i> , 2021, 44, 101330.	1.7	11
28	Accommodation-induced variations in retinal thickness measured by spectral domain optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2014, 19, 096012.	2.6	10
29	Automated Analysis of Choroidal Sublayer Morphologic Features in Myopic Children Using EDI-OCT by Deep Learning. <i>Translational Vision Science and Technology</i> , 2021, 10, 12.	2.2	9
30	PEGylated AuCore"Agshell Nanorods as Optical Coherence Tomography Signal Nanoamplifiers. <i>Plasmonics</i> , 2015, 10, 1381-1389.	3.4	6
31	Retinal choroidal vessel imaging based on multi-wavelength fundus imaging with the guidance of optical coherence tomography. <i>Biomedical Optics Express</i> , 2020, 11, 5212.	2.9	6
32	Establishment of an mKate2-Expressing Cell Line for Non-Invasive Real-Time Breast Cancer In Vivo Imaging. <i>Molecular Imaging and Biology</i> , 2015, 17, 811-818.	2.6	5
33	In vivo long-term investigation of tumor bearing mKate2 by an in-house fluorescence molecular imaging system. <i>BioMedical Engineering OnLine</i> , 2018, 17, 187.	2.7	5
34	Developing a potential retinal OCT biomarker for local growth of geographic atrophy. <i>Biomedical Optics Express</i> , 2020, 11, 5181.	2.9	5
35	A Boronated Derivative of Temozolomide Showing Enhanced Efficacy in Boron Neutron Capture Therapy of Glioblastoma. <i>Cells</i> , 2022, 11, 1173.	4.1	5
36	Validation of Bevacizumab Therapy Effect on Colon Cancer Subtypes by Using Whole Body Imaging in Mice. <i>Molecular Imaging and Biology</i> , 2017, 19, 847-856.	2.6	4

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37	Systematic design of a cross-polarized dermoscope for visual inspection and digital imaging. IEEE Instrumentation and Measurement Magazine, 2011, 14, 26-31.	1.6	3
38	Properties of electrically evoked potentials activated by optic nerve stimulation with penetrating electrodes of different modes in rabbits. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 2171-2180.	1.9	3
39	Retinal vessel oxygen saturation in patients with unilateral internal carotid artery stenosis: a pilot study. Acta Ophthalmologica, 2021, 99, e13-e18.	1.1	3
40	Multiple Lesions Insertion: boosting diabetic retinopathy screening through Poisson editing. Biomedical Optics Express, 2021, 12, 2773.	2.9	3
41	Synergistically segmenting choroidal layer and vessel using deep learning for choroid structure analysis. Physics in Medicine and Biology, 2022, 67, 085001.	3.0	3
42	Evaluation of a Wobbling Method Applied to Correcting Defective Pixels of CZT Detectors in SPECT Imaging. Sensors, 2016, 16, 772.	3.8	2
43	Bridge to real data: Empirical multiple material calibration for learning-based material decomposition. , 2016, , .		2
44	Rethinking the neighborhood information for deep learning-based optical coherence tomography angiography. Medical Physics, 2022, 49, 3705-3716.	3.0	2
45	A NOVEL METHOD TO EVALUATE HUMAN LOCOMOTION ABILITY BASED ON THE FINITE ELEMENT MODELING AND SIMULATION OF MUSCULOSKELETAL SYSTEM. Biomedical Engineering - Applications, Basis and Communications, 2015, 27, 1550010.	0.6	1
46	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
47	Simulated phosphene model for visual prosthesis. , 2012, , .		0
48	Recognition of Chinese character formed by irregular simulated phosphene arrays. , 2012, , .		0
49	Optical modelling of a supplementary tunable air-spaced goggle lens for rodent eye imaging. PLoS ONE, 2017, 12, e0181111.	2.5	0