

Gangjun Liu

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,968
citations

218677

26
h-index

276875

41
g-index

53
all docs

53
docs citations

53
times ranked

2022
citing authors

#	ARTICLE	IF	CITATIONS
1	Portable boom-type ultrahigh-resolution OCT with an integrated imaging probe for supine position retinal imaging. <i>Biomedical Optics Express</i> , 2022, 13, 3295.	2.9	4
2	<scp>N2NSRâ€œOCT</scp>: Simultaneous denoising and superâ€œresolution in optical coherence tomography images using semisupervised deep learning. <i>Journal of Biophotonics</i> , 2021, 14, e202000282.	2.3	23
3	Weakly Supervised Deep Learning-Based Optical Coherence Tomography Angiography. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 688-698.	8.9	20
4	Rapid, wide-field, high quality laser speckle angiography for retinal and choroidal vessels. <i>Laser Physics Letters</i> , 2021, 18, 055601.	1.4	2
5	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
6	Comparative study of deep learning models for optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2020, 11, 1580.	2.9	35
7	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
8	A deep learning based pipeline for optical coherence tomography angiography. <i>Journal of Biophotonics</i> , 2019, 12, e201900008.	2.3	31
9	Near-infrared laser thermal conjunctivoplasty. <i>Scientific Reports</i> , 2018, 8, 3863.	3.3	5
10	Polarizationâ€œmultiplexed, dualâ€œbeam swept source optical coherence tomography angiography. <i>Journal of Biophotonics</i> , 2018, 11, e201700303.	2.3	1
11	Optical Coherence Tomography Angiography and Ultra-Widefield Optical Coherence Tomography in a Child With Incontinentia Pigmenti. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2018, 49, 273-275.	0.7	6
12	Analysis of small vessel cochlear blood flow regulation during loud sound exposure in the mouse. , 2018, , .		0
13	Automated three-dimensional registration and volume rebuilding for wide-field angiographic and structural optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 026001.	2.6	17
14	Extended axial imaging range, widefield swept source optical coherence tomography angiography. <i>Journal of Biophotonics</i> , 2017, 10, 1464-1472.	2.3	23
15	Handheld Optical Coherence Tomography Angiography and Ultraâ€œWide-Field Optical Coherence Tomography in Retinopathy of Prematurity. <i>JAMA Ophthalmology</i> , 2017, 135, 977.	2.5	92
16	Hematocrit dependence of flow signal in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017, 8, 776.	2.9	18
17	Regression-based algorithm for bulk motion subtraction in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017, 8, 3053.	2.9	40
18	Angiographic and structural imaging using high axial resolution fiber-based visible-light OCT. <i>Biomedical Optics Express</i> , 2017, 8, 4595.	2.9	22

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19	Handheld optical coherence tomography angiography. Biomedical Optics Express, 2017, 8, 2287.	2.9	42
20	Automated motion correction using parallel-strip registration for wide-field en face OCT angiogram. Biomedical Optics Express, 2016, 7, 2823.	2.9	66
21	Optical Coherence Tomography Angiography. , 2016, 57, OCT27.		283
22	Split-spectrum phase-gradient optical coherence tomography angiography. Biomedical Optics Express, 2016, 7, 2943.	2.9	32
23	Calibration of optical coherence tomography angiography with a microfluidic chip. Journal of Biomedical Optics, 2016, 21, 1.	2.6	27
24	Imaging the anterior eye with dynamic-focus swept-source optical coherence tomography. Journal of Biomedical Optics, 2015, 20, 126002.	2.6	19
25	Optimization of the split-spectrum amplitude-decorrelation angiography algorithm on a spectral optical coherence tomography system. Optics Letters, 2015, 40, 2305.	3.3	112
26	Postprocessing algorithms to minimize fixed-pattern artifact and reduce trigger jitter in swept source optical coherence tomography. Optics Express, 2015, 23, 9824.	3.4	26
27	Optical imaging in an Alzheimer's mouse model reveals amyloid- β -dependent vascular impairment. Neurophotonics, 2014, 1, 011005.	3.3	31
28	Speckle reduction in optical coherence tomography images based on wave atoms. Journal of Biomedical Optics, 2014, 19, 056009.	2.6	34
29	Evaluation of Optical Coherence Tomography for the Measurement of the Effects of Activators and Anticoagulants on the Blood Coagulation In Vitro. IEEE Transactions on Biomedical Engineering, 2013, 60, 2100-2106.	4.2	7
30	Doppler Optical Coherence Tomography. , 2013, , 889-922.		0
31	Capturing the vital vascular fingerprint with optical coherence tomography. Applied Optics, 2013, 52, 5473.	1.8	43
32	In vivo, high-resolution, three-dimensional imaging of port wine stain microvasculature in human skin. Lasers in Surgery and Medicine, 2013, 45, 628-632.	2.1	33
33	Advances in Doppler OCT. Chinese Optics Letters, 2013, 11, 011702-11712.	2.9	20
34	A comparison of Doppler optical coherence tomography methods. Biomedical Optics Express, 2012, 3, 2669.	2.9	105
35	High-resolution imaging of microvasculature in human skin in-vivo with optical coherence tomography. Optics Express, 2012, 20, 7694.	3.4	80
36	Phase-resolved acoustic radiation force optical coherence elastography. Journal of Biomedical Optics, 2012, 17, 110505.	2.6	87

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37	Intensity-based modified Doppler variance algorithm dedicated for phase instable optical coherence tomography systems. , 2012, , .		0
38	Phase-Resolved Doppler Optical Coherence Tomography. , 2012, , .		5
39	Quantification of airway thickness changes in smoke-inhalation injury using in-vivo 3-D endoscopic frequency-domain optical coherence tomography. Biomedical Optics Express, 2011, 2, 243.	2.9	29
40	Real-time bulk-motion-correction free Doppler variance optical coherence tomography for choroidal capillary vasculature imaging. Optics Express, 2011, 19, 3657.	3.4	63
41	Intensity-based modified Doppler variance algorithm: application to phase instable and phase stable optical coherence tomography systems. Optics Express, 2011, 19, 11429.	3.4	93
42	Imaging vibrating vocal folds with a high speed 1050 nm swept source OCT and ODT. Optics Express, 2011, 19, 11880.	3.4	34
43	Mode-filtered large-core fiber for short-pulse delivery with reduced nonlinear effects. Optics Letters, 2011, 36, 3362.	3.3	8
44	Multiphoton endoscopy based on a mode-filtered single-mode fiber. Proceedings of SPIE, 2011, , .	0.8	1
45	Scheme for efficient fiber-based CARS probe. , 2010, , .		0
46	Spectral Doppler optical coherence tomography imaging of localized ischemic stroke in a mouse model. Journal of Biomedical Optics, 2010, 15, 066006.	2.6	31
47	Fiber delivered probe for efficient CARS imaging of tissues. Optics Express, 2010, 18, 2380.	3.4	119
48	Office-based dynamic imaging of vocal cords in awake patients with swept-source optical coherence tomography. Journal of Biomedical Optics, 2009, 14, 064020.	2.6	33
49	In vivo early detection of smoke-induced airway injury using three-dimensional swept-source optical coherence tomography. Journal of Biomedical Optics, 2009, 14, 060503.	2.6	25
50	Rotational multiphoton endoscopy with a 1 μ m fiber laser system. Optics Letters, 2009, 34, 2249.	3.3	33
51	Real-time polarization-sensitive optical coherence tomography data processing with parallel computing. Applied Optics, 2009, 48, 6365.	2.1	23
52	The Calculation of Switching Power of Symmetric and Asymmetric Nonlinear Directional Couplers With Variable Coupling Coefficient. IEEE Photonics Technology Letters, 2004, 16, 2248-2250.	2.5	3