Gangjun Liu

List of Publications by Year
in descending order

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	Optical Coherence Tomography Angiography. , 2016, 57, OCT27.		283
2	Fiber delivered probe for efficient CARS imaging of tissues. Optics Express, 2010, 18, 2380.	3.4	119
3	Optimization of the split-spectrum amplitude-decorrelation angiography algorithm on a spectral optical coherence tomography system. Optics Letters, 2015, 40, 2305.	3.3	112
4	A comparison of Doppler optical coherence tomography methods. Biomedical Optics Express, 2012, 3, 2669.	2.9	105
5	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
6	Handheld Optical Coherence Tomography Angiography and Ultra–Wide-Field Optical Coherence Tomography in Retinopathy of Prematurity. JAMA Ophthalmology, 2017, 135, 977.	2.5	92
7	Phase-resolved acoustic radiation force optical coherence elastography. Journal of Biomedical Optics, 2012, 17, 110505.	2.6	87
8	High-resolution imaging of microvasculature in human skin in-vivo with optical coherence tomography. Optics Express, 2012, 20, 7694.	3.4	80
9	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
10	Automated motion correction using parallel-strip registration for wide-field en face OCT angiogram. Biomedical Optics Express, 2016, 7, 2823.	2.9	66
11	Real-time bulk-motion-correction free Doppler variance optical coherence tomography for choroidal capillary vasculature imaging. Optics Express, 2011, 19, 3657.	3.4	63
12	Capturing the vital vascular fingerprint with optical coherence tomography. Applied Optics, 2013, 52, 5473.	1.8	43
13	Handheld optical coherence tomography angiography. Biomedical Optics Express, 2017, 8, 2287.	2.9	42
14	Regression-based algorithm for bulk motion subtraction in optical coherence tomography angiography. Biomedical Optics Express, 2017, 8, 3053.	2.9	40
15	Comparative study of deep learning models for optical coherence tomography angiography. Biomedical Optics Express, 2020, 11, 1580.	2.9	35
16	Imaging vibrating vocal folds with a high speed 1050 nm swept source OCT and ODT. Optics Express, 2011, 19, 11880.	3.4	34
17	Speckle reduction in optical coherence tomography images based on wave atoms. Journal of Biomedical Optics, 2014, 19, 056009.	2.6	34
18	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

#	Article	IF	Citations
19	Rotational multiphoton endoscopy with a 1 Î¼m fiber laser system. Optics Letters, 2009, 34, 2249.	3.3	33
20	In vivo, highâ€resolution, threeâ€dimensional imaging of port wine stain microvasculature in human skin. Lasers in Surgery and Medicine, 2013, 45, 628-632.	2.1	33
21	Split-spectrum phase-gradient optical coherence tomography angiography. Biomedical Optics Express, 2016, 7, 2943.	2.9	32
22	Spectral Doppler optical coherence tomography imaging of localized ischemic stroke in a mouse model. Journal of Biomedical Optics, 2010, 15, 066006.	2.6	31
23	Optical imaging in an Alzheimerâ€™s mouse model reveals amyloid-Î²-dependent vascular impairment. Neurophotonics, 2014, 1, 011005.	3.3	31
24	A deep learning based pipeline for optical coherence tomography angiography. Journal of Biophotonics, 2019, 12, e201900008.	2.3	31
25	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
26	Calibration of optical coherence tomography angiography with a microfluidic chip. Journal of Biomedical Optics, 2016, 21, 1.	2.6	27
27	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
28	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
29	Real-time polarization-sensitive optical coherence tomography data processing with parallel computing. Applied Optics, 2009, 48, 6365.	2.1	23
30	Extended axial imaging range, widefield swept source optical coherence tomography angiography. Journal of Biophotonics, 2017, 10, 1464-1472.	2.3	23
31	<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
32	Angiographic and structural imaging using high axial resolution fiber-based visible-light OCT. Biomedical Optics Express, 2017, 8, 4595.	2.9	22
33	Weakly Supervised Deep Learning-Based Optical Coherence Tomography Angiography. IEEE Transactions on Medical Imaging, 2021, 40, 688-698.	8.9	20
34	Advances in Doppler OCT. Chinese Optics Letters, 2013, 11, 011702-11712.	2.9	20
35	Imaging the anterior eye with dynamic-focus swept-source optical coherence tomography. Journal of Biomedical Optics, 2015, 20, 126002.	2.6	19
36	Hematocrit dependence of flow signal in optical coherence tomography angiography. Biomedical Optics Express, 2017, 8, 776.	2.9	18

#	Article	IF	Citations
37	Automated three-dimensional registration and volume rebuilding for wide-field angiographic and structural optical coherence tomography. Journal of Biomedical Optics, 2017, 22, 026001.	2.6	17
38	Mode-filtered large-core fiber for short-pulse delivery with reduced nonlinear effects. Optics Letters, 2011, 36, 3362.	3.3	8
39	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
40	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
41	Optical Coherence Tomography Angiography and Ultra-Widefield Optical Coherence Tomography in a Child With Incontinentia Pigmenti. Ophthalmic Surgery Lasers and Imaging Retina, 2018, 49, 273-275.	0.7	6
42	Phase-Resolved Doppler Optical Coherence Tomography. , 2012, , .		5
43	Near-infrared laser thermal conjunctivoplasty. Scientific Reports, 2018, 8, 3863.	3.3	5
44	Portable boom-type ultrahigh-resolution OCT with an integrated imaging probe for supine position retinal imaging. Biomedical Optics Express, 2022, 13, 3295.	2.9	4
45	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
46	Rapid, wide-field, high quality laser speckle angiography for retinal and choroidal vessels. Laser Physics Letters, 2021, 18, 055601.	1.4	2
47	Multiphoton endoscopy based on a mode-filtered single-mode fiber. Proceedings of SPIE, 2011, , .	0.8	1
48	Polarizationâ€multiplexed, dualâ€beam swept source optical coherence tomography angiography. Journal of Biophotonics, 2018, 11, e201700303.	2.3	1
49	Scheme for efficient fiber-based CARS probe. , 2010, , .		0
50	Intensity-based modified Doppler variance algorithm dedicated for phase instable optical coherence tomography systems. , 2012, , .		0
51	Doppler Optical Coherence Tomography. , 2013, , 889-922.		0
52	Analysis of small vessel cochlear blood flow regulation during loud sound exposure in the mouse. , 2018, , .		0