

Qinggong Tang

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

594
citations

567281

15
h-index

642732

23
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38
all docs

38
docs citations

38
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	Computer-aided Veress needle guidance using endoscopic optical coherence tomography and convolutional neural networks. <i>Journal of Biophotonics</i> , 2022, 15, e202100347.	2.3	5
2	Epidural anesthesia needle guidance by forward-view endoscopic optical coherence tomography and deep learning. <i>Scientific Reports</i> , 2022, 12, .	3.3	9
3	A pilot study on biaxial mechanical, collagen microstructural, and morphological characterizations of a resected human intracranial aneurysm tissue. <i>Scientific Reports</i> , 2021, 11, 3525.	3.3	15
4	Quantitative analysis of vascular changes during photoimmunotherapy using speckle variance optical coherence tomography (SV-OCT). <i>Biomedical Optics Express</i> , 2021, 12, 1804.	2.9	3
5	Deep-learning-aided forward optical coherence tomography endoscope for percutaneous nephrostomy guidance. <i>Biomedical Optics Express</i> , 2021, 12, 2404.	2.9	12
6	Demonstration of age-related blood-brain barrier disruption and cerebrovascular rarefaction in mice by longitudinal intravital two-photon microscopy and optical coherence tomography. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1370-H1392.	3.2	28
7	Demonstration of Age-Related Increases in Blood-Brain Barrier Permeability and Microvascular Rarefaction in the Mouse Cerebral Cortex by Longitudinal Intravital Two-Photon Microscopy and Optical Coherence Tomography (OCT). <i>FASEB Journal</i> , 2021, 35, .	0.5	0
8	Characterization and quantification of necrotic tissues and morphology in multicellular ovarian cancer tumor spheroids using optical coherence tomography. <i>Biomedical Optics Express</i> , 2021, 12, 3352.	2.9	14
9	Visually guided chick ocular length and structural thickness variations assessed by swept-source optical coherence tomography. <i>Biomedical Optics Express</i> , 2021, 12, 6864.	2.9	8
10	Morphological and functional characteristics of aging kidneys based on two-photon microscopy in vivo. <i>Journal of Biophotonics</i> , 2020, 13, e201900246.	2.3	4
11	In vivo voltage-sensitive dye imaging of mouse cortical activity with mesoscopic optical tomography. <i>Neurophotonics</i> , 2020, 7, 041402.	3.3	3
12	Fully automated analysis of OCT imaging of human kidneys for prediction of post-transplant function. <i>Biomedical Optics Express</i> , 2019, 10, 1794.	2.9	12
13	3D mesoscopic fluorescence tomography for imaging micro-distribution of antibody-photon absorber conjugates during near infrared photoimmunotherapy in vivo. <i>Journal of Controlled Release</i> , 2018, 279, 171-180.	9.9	20
14	Nanoparticle-Based Fluoroionophore for Analysis of Potassium Ion Dynamics in 3D Tissue Models and In Vivo. <i>Advanced Functional Materials</i> , 2018, 28, 1704598.	14.9	33
15	Imaging stem cell distribution, growth, migration, and differentiation in 3D scaffolds for bone tissue engineering using mesoscopic fluorescence tomography. <i>Biotechnology and Bioengineering</i> , 2018, 115, 257-265.	3.3	9
16	Intravital imaging of adriamycin-induced renal pathology using two-photon microscopy and optical coherence tomography. <i>Journal of Innovative Optical Health Sciences</i> , 2018, 11, .	1.0	5
17	3D printed biofunctionalized scaffolds for microfracture repair of cartilage defects. <i>Biomaterials</i> , 2018, 185, 219-231.	11.4	74
18	Quantitative evaluation of redox ratio and collagen characteristics during breast cancer chemotherapy using two-photon intrinsic imaging. <i>Biomedical Optics Express</i> , 2018, 9, 1375.	2.9	29

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19	Biomimetic 3D-printed neurovascular phantoms for near-infrared fluorescence imaging. <i>Biomedical Optics Express</i> , 2018, 9, 2810.	2.9	33
20	Novel needle redox endoscopy imager for cancer diagnosis. , 2018, 10489, .		1
21	OPTICAL COHERENCE TOMOGRAPHY (OCT). , 2018, , 89-118.		0
22	Planar implantable sensor for in vivo measurement of cellular oxygen metabolism in brain tissue. <i>Journal of Neuroscience Methods</i> , 2017, 281, 1-6.	2.5	8
23	Monitoring Kidney Microanatomy Changes During Ischemia-Reperfusion Process Using Texture Analysis of OCT Images. <i>IEEE Photonics Journal</i> , 2017, 9, 1-10.	2.0	5
24	Quantum Dotâ€œPeptideâ€œFullerene Bioconjugates for Visualization of <i>in Vitro</i> and <i>in Vivo</i> Cellular Membrane Potential. <i>ACS Nano</i> , 2017, 11, 5598-5613.	14.6	68
25	Real-time monitoring of microdistribution of antibody-photon absorber conjugates during photoimmunotherapy in vivo. <i>Journal of Controlled Release</i> , 2017, 260, 154-163.	9.9	21
26	High-dynamic-range fluorescence laminar optical tomography (HDR-FLOT). <i>Biomedical Optics Express</i> , 2017, 8, 2124.	2.9	20
27	Optical coherence tomography and computer-aided diagnosis of a murine model of chronic kidney disease. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.6	7
28	Depth-resolved imaging of colon tumor using optical coherence tomography and fluorescence laminar optical tomography. <i>Biomedical Optics Express</i> , 2016, 7, 5218.	2.9	28
29	In Vivo Mesoscopic Voltage-Sensitive Dye Imaging of Brain Activation. <i>Scientific Reports</i> , 2016, 6, 25269.	3.3	19
30	3D mesoscopic imaging of neural connections in sensory and motor cortices. , 2016, , .		2
31	Review of mesoscopic optical tomography for depth-resolved imaging of hemodynamic changes and neural activities. <i>Neurophotonics</i> , 2016, 4, 011009.	3.3	18
32	Multi-modality Optical Imaging of Rat Kidney Dysfunction: In Vivo Response to Various Ischemia Times. <i>Advances in Experimental Medicine and Biology</i> , 2016, 923, 345-350.	1.6	3
33	Study of the cortical representation of whisker frequency selectivity using voltage-sensitive dye optical imaging. <i>Intravital</i> , 2016, 5, e1142637.	2.0	6
34	In Vivo Voltage-Sensitive Dye Imaging of Subcortical Brain Function. <i>Scientific Reports</i> , 2015, 5, 17325.	3.3	25
35	In vivo mesoscopic voltage-sensitive dye imaging of brain activation. , 2015, , .		0
36	Quantitative single-mode fiber based PS-OCT with single input polarization state using Mueller matrix. <i>Biomedical Optics Express</i> , 2015, 6, 1828.	2.9	27

#	ARTICLE	IF	CITATIONS
37	Real-time epidural anesthesia guidance using optical coherence tomography needle probe. Quantitative Imaging in Medicine and Surgery, 2015, 5, 118-24.	2.0	20
38	Minimally-invasive optical imaging for surgical guidance and neuroscience research. , 2014, , .		0