

Qingming Luo

List of Publications by Year in descending order

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Version: 2024-02-01

568
papers

15,093
citations

22153

59
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34986

98
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593
all docs

593
docs citations

593
times ranked

15064
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous subcellular resolution three-dimensional imaging on intact macaque brain. <i>Science Bulletin</i> , 2022, 67, 85-96.	9.0	14
2	Restoration of FMRP expression in adult V1 neurons rescues visual deficits in a mouse model of fragile X syndrome. <i>Protein and Cell</i> , 2022, 13, 203-219.	11.0	7
3	Nanozyme sensor array based on manganese dioxide for the distinction between multiple amyloid β^2 peptides and their dynamic aggregation process. <i>Biosensors and Bioelectronics</i> , 2022, 199, 113881.	10.1	18
4	Extension of Endocardium-Derived Vessels Generate Coronary Arteries in Neonates. <i>Circulation Research</i> , 2022, 130, 352-365.	4.5	14
5	Large depth-of-field fluorescence microscopy based on deep learning supported by Fresnel incoherent correlation holography. <i>Optics Express</i> , 2022, 30, 5177.	3.4	14
6	Acetylcholine deficiency disrupts extratelencephalic projection neurons in the prefrontal cortex in a mouse model of Alzheimer's disease. <i>Nature Communications</i> , 2022, 13, 998.	12.8	28
7	Single-neuron projectome of mouse prefrontal cortex. <i>Nature Neuroscience</i> , 2022, 25, 515-529.	14.8	87
8	Multiscale reconstruction of various vessels in the intact murine liver lobe. <i>Communications Biology</i> , 2022, 5, 260.	4.4	7
9	Whole-Brain Direct Inputs to and Axonal Projections from Excitatory and Inhibitory Neurons in the Mouse Primary Auditory Area. <i>Neuroscience Bulletin</i> , 2022, 38, 576-590.	2.9	7
10	Cross-modal coherent registration of whole mouse brains. <i>Nature Methods</i> , 2022, 19, 111-118.	19.0	36
11	Interpretable model-driven projected gradient descent network for high-quality fDOT reconstruction. <i>Optics Letters</i> , 2022, 47, 2538.	3.3	5
12	AIE-based fluorescent micro-optical sectioning tomography for automatic 3D mapping of β^2 -amyloid plaques in Tg mouse whole brain. <i>Chemical Engineering Journal</i> , 2022, 446, 136840.	12.7	9
13	Adaptive optical microscopy via virtual-imaging-assisted wavefront sensing for high-resolution tissue imaging. <i>Photonix</i> , 2022, 3, .	13.5	15
14	Graded peripheral nerve injury creates mechanical allodynia proportional to the progression and severity of microglial activity within the spinal cord of male mice. <i>Brain, Behavior, and Immunity</i> , 2021, 91, 568-577.	4.1	6
15	Poly[N-(2-acetamidoethyl)acrylamide] supramolecular hydrogels with multiple H-bond crosslinking enable mouse brain embedding and expansion microscopy. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1795-1805.	5.9	0
16	GTree: an Open-source Tool for Dense Reconstruction of Brain-wide Neuronal Population. <i>Neuroinformatics</i> , 2021, 19, 305-317.	2.8	25
17	DeepMapi: a Fully Automatic Registration Method for Mesoscopic Optical Brain Images Using Convolutional Neural Networks. <i>Neuroinformatics</i> , 2021, 19, 267-284.	2.8	12
18	Chemical sectioning fluorescence tomography: high-throughput, high-contrast, multicolor, whole-brain imaging at subcellular resolution. <i>Cell Reports</i> , 2021, 34, 108709.	6.4	34

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19	Single-scan HiLo with line-illumination strategy for optical section imaging of thick tissues. <i>Biomedical Optics Express</i> , 2021, 12, 2373.	2.9	13
20	High-definition imaging using line-illumination modulation microscopy. <i>Nature Methods</i> , 2021, 18, 309-315.	19.0	76
21	Constructing the rodent stereotaxic brain atlas: a survey. <i>Science China Life Sciences</i> , 2021, , 1.	4.9	2
22	Flexible, video-rate, and aberration-compensated axial dual-line scanning imaging with field-of-view jointing and stepped remote focusing. <i>Photonics Research</i> , 2021, 9, 1477.	7.0	1
23	Dynamic Changes in the Levels of Amyloid- β 242 Species in the Brain and Periphery of APP/PS1 Mice and Their Significance for Alzheimer's Disease. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 723317.	2.9	14
24	Plastic embedding for precise imaging of large-scale biological tissues labeled with multiple fluorescent dyes and proteins. <i>Biomedical Optics Express</i> , 2021, 12, 6730.	2.9	3
25	Morphological diversity of single neurons in molecularly defined cell types. <i>Nature</i> , 2021, 598, 174-181.	27.8	180
26	A multimodal cell census and atlas of the mammalian primary motor cortex. <i>Nature</i> , 2021, 598, 86-102.	27.8	316
27	Cellular anatomy of the mouse primary motor cortex. <i>Nature</i> , 2021, 598, 159-166.	27.8	117
28	Preparation of long single-strand DNA concatemers for high-level fluorescence in situ hybridization. <i>Communications Biology</i> , 2021, 4, 1224.	4.4	3
29	The mouse cortico-basal ganglia-thalamic network. <i>Nature</i> , 2021, 598, 188-194.	27.8	126
30	Whole-brain connectivity atlas of glutamatergic and GABAergic neurons in the mouse dorsal and median raphe nuclei. <i>ELife</i> , 2021, 10, .	6.0	19
31	A Whole-Brain Connectivity Map of VTA and SNc Glutamatergic and GABAergic Neurons in Mice. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 818242.	1.7	9
32	Automated Brain Region Segmentation for Single Cell Resolution Histological Images Based on Markov Random Field. <i>Neuroinformatics</i> , 2020, 18, 181-197.	2.8	7
33	Brain-Wide Shape Reconstruction of a Traced Neuron Using the Convex Image Segmentation Method. <i>Neuroinformatics</i> , 2020, 18, 199-218.	2.8	11
34	Prospective Respiration-Gated Photoacoustic Microscopy. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 220-225.	4.2	5
35	Metastatic status of sentinel lymph nodes in breast cancer determined with photoacoustic microscopy via dual-targeting nanoparticles. <i>Light: Science and Applications</i> , 2020, 9, 164.	16.6	36
36	Skeleton optimization of neuronal morphology based on three-dimensional shape restrictions. <i>BMC Bioinformatics</i> , 2020, 21, 395.	2.6	4

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37	Anatomically revealed morphological patterns of pyramidal neurons in layer 5 of the motor cortex. <i>Scientific Reports</i> , 2020, 10, 7916.	3.3	14
38	Targeted immunomodulation of inflammatory monocytes across the blood-brain barrier by curcumin-loaded nanoparticles delays the progression of experimental autoimmune encephalomyelitis. <i>Biomaterials</i> , 2020, 245, 119987.	11.4	61
39	RecV recombinase system for in vivo targeted optogenomic modifications of single cells or cell populations. <i>Nature Methods</i> , 2020, 17, 422-429.	19.0	36
40	DeepBrainSeg: Automated Brain Region Segmentation for Micro-Optical Images With a Convolutional Neural Network. <i>Frontiers in Neuroscience</i> , 2020, 14, 179.	2.8	14
41	MACS: Rapid Aqueous Clearing System for 3D Mapping of Intact Organs. <i>Advanced Science</i> , 2020, 7, 1903185.	11.2	52
42	Computational neuroscience: a frontier of the 21st century. <i>National Science Review</i> , 2020, 7, 1418-1422.	9.5	10
43	A Robust Image Registration Interface for Large Volume Brain Atlas. <i>Scientific Reports</i> , 2020, 10, 2139.	3.3	38
44	Ventral Hippocampal-Prefrontal Interaction Affects Social Behavior via Parvalbumin Positive Neurons in the Medial Prefrontal Cortex. <i>IScience</i> , 2020, 23, 100894.	4.1	60
45	Melittin-lipid nanoparticles target to lymph nodes and elicit a systemic anti-tumor immune response. <i>Nature Communications</i> , 2020, 11, 1110.	12.8	133
46	Mapping the Architecture of Ferret Brains at Single-Cell Resolution. <i>Frontiers in Neuroscience</i> , 2020, 14, 322.	2.8	2
47	A brief introduction to biophotonic techniques and methods. <i>Science China Life Sciences</i> , 2020, 63, 1771-1775.	4.9	4
48	TeraVR empowers precise reconstruction of complete 3-D neuronal morphology in the whole brain. <i>Nature Communications</i> , 2019, 10, 3474.	12.8	64
49	A whole-brain map of long-range inputs to GABAergic interneurons in the mouse medial prefrontal cortex. <i>Nature Neuroscience</i> , 2019, 22, 1357-1370.	14.8	132
50	High-resolution mapping of brain vasculature and its impairment in the hippocampus of Alzheimer's disease mice. <i>National Science Review</i> , 2019, 6, 1223-1238.	9.5	65
51	Pinpointing Morphology and Projection of Excitatory Neurons in Mouse Visual Cortex. <i>Frontiers in Neuroscience</i> , 2019, 13, 912.	2.8	6
52	Long-term characterization of activated microglia/macrophages facilitating the development of experimental brain metastasis through intravital microscopic imaging. <i>Journal of Neuroinflammation</i> , 2019, 16, 4.	7.2	46
53	Identifying Weak Signals in Inhomogeneous Neuronal Images for Large-Scale Tracing of Sparsely Distributed Neurites. <i>Neuroinformatics</i> , 2019, 17, 497-514.	2.8	12
54	Self-Assembled α -Off/On Nanopomegranate for <i>In Vivo</i> Photoacoustic and Fluorescence Imaging: Strategic Arrangement of Kupffer Cells in Mouse Hepatic Lobules. <i>ACS Nano</i> , 2019, 13, 1526-1537.	14.6	15

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55	Visualizing DC morphology and T cell motility to characterize DC-T cell encounters in mouse lymph nodes under mTOR inhibition. <i>Science China Life Sciences</i> , 2019, 62, 1168-1177.	4.9	9
56	Long-Distance Tracing of the Lymphatic System with a Computed Tomography/Fluorescence Dual-Modality Nanoprobe for Surveying Tumor Lymphatic Metastasis. <i>Bioconjugate Chemistry</i> , 2019, 30, 1199-1209.	3.6	9
57	Genetic Single Neuron Anatomy Reveals Fine Granularity of Cortical Axo-Axonic Cells. <i>Cell Reports</i> , 2019, 26, 3145-3159.e5.	6.4	51
58	DeepBouton: Automated Identification of Single-Neuron Axonal Boutons at the Brain-Wide Scale. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 25.	2.5	12
59	Spatial Distribution of Motor Endplates and its Adaptive Change in Skeletal Muscle. <i>Theranostics</i> , 2019, 9, 734-746.	10.0	39
60	Optimization of Traced Neuron Skeleton Using Lasso-Based Model. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 18.	1.7	15
61	Voices in methods development. <i>Nature Methods</i> , 2019, 16, 945-951.	19.0	5
62	Optical Imaging in Brainsmatics. <i>Photonics</i> , 2019, 6, 98.	2.0	4
63	Challenges of Processing and Analyzing Big Data in Mesoscopic Whole-brain Imaging. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 337-343.	6.9	8
64	Whole-mount in situ hybridization of mouse brain to precisely locate mRNAs via fluorescence tomography. <i>Journal of Biophotonics</i> , 2019, 12, e201800249.	2.3	5
65	FDISCO: Advanced solvent-based clearing method for imaging whole organs. <i>Science Advances</i> , 2019, 5, eaau8355.	10.3	171
66	Immune modulation of liver sinusoidal endothelial cells by melittin nanoparticles suppresses liver metastasis. <i>Nature Communications</i> , 2019, 10, 574.	12.8	93
67	Review of advances and prospects in neuron reconstruction. <i>Chinese Science Bulletin</i> , 2019, 64, 532-545.	0.7	4
68	Review of micro-optical sectioning tomography (MOST): technology and applications for whole-brain optical imaging [Invited]. <i>Biomedical Optics Express</i> , 2019, 10, 4075.	2.9	22
69	Single-cell transcriptomes and whole-brain projections of serotonin neurons in the mouse dorsal and median raphe nuclei. <i>ELife</i> , 2019, 8, .	6.0	189
70	Multifocus optical-resolution photoacoustic microscope for extended depth of field. , 2019, , .		0
71	Skull optical clearing window for in vivo imaging of the mouse cortex at synaptic resolution. <i>Light: Science and Applications</i> , 2018, 7, 17153-17153.	16.6	101
72	Visualization of T Cell-Regulated Monocyte Clusters Mediating Keratinocyte Death in Acquired Cutaneous Immunity. <i>Journal of Investigative Dermatology</i> , 2018, 138, 1328-1337.	0.7	14

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73	Multisynchronization of Interconnected Memristor-Based Impulsive Neural Networks With Fuzzy Hybrid Control. IEEE Transactions on Fuzzy Systems, 2018, 26, 3069-3084.	9.8	25
74	RTF: a rapid and versatile tissue optical clearing method. Scientific Reports, 2018, 8, 1964.	3.3	53
75	Generation of a whole-brain atlas for the cholinergic system and mesoscopic projectome analysis of basal forebrain cholinergic neurons. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 415-420.	7.1	241
76	Optical clearing for multiscale biological tissues. Journal of Biophotonics, 2018, 11, e201700187.	2.3	75
77	4. Spatial and temporal broadening of a femtosecond laser pulse after angular dispersion. , 2018, , 249-278.		0
78	A large, switchable optical clearing skull window for cerebrovascular imaging. Theranostics, 2018, 8, 2696-2708.	10.0	76
79	Elevated-temperature-induced acceleration of PACT clearing process of mouse brain tissue. Scientific Reports, 2017, 7, 38848.	3.3	28
80	Visualization of reticulophagy in living cells using an endoplasmic reticulum-targeted p62 mutant. Science China Life Sciences, 2017, 60, 333-344.	4.9	5
81	SparseTracer: the Reconstruction of Discontinuous Neuronal Morphology in Noisy Images. Neuroinformatics, 2017, 15, 133-149.	2.8	22
82	Molecular-Targeted Immunotherapeutic Strategy for Melanoma <i>via</i> Dual-Targeting Nanoparticles Delivering Small Interfering RNA to Tumor-Associated Macrophages. ACS Nano, 2017, 11, 9536-9549.	14.6	268
83	1. Fluorescent Protein Labeling Techniques. , 2017, , 1-92.		0
84	Biophotonics in China. Journal of Biophotonics, 2017, 10, 1572-1579.	2.3	4
85	A Tool for 3D reconstruction of neuronal population reconstruction : preliminary results. , 2017, , .		0
86	Hessian matrix-based structure tensor analysis for fiber enhancement and direction encoding. , 2017, , .		0
87	Chemical reactivation of resin-embedded pHuji adds red for simultaneous two-color imaging with EGFP. Biomedical Optics Express, 2017, 8, 3281.	2.9	15
88	Visible continuum pulses based on enhanced dispersive wave generation for endogenous fluorescence imaging. Biomedical Optics Express, 2017, 8, 4026.	2.9	6
89	Enhancement of the localization and quantitative performance of fluorescence molecular tomography by using linear nBorn method. Optics Express, 2017, 25, 2063.	3.4	10
90	Fast axial-scanning photoacoustic microscopy using tunable acoustic gradient lens. Optics Express, 2017, 25, 7349.	3.4	29

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91	Sparsity-promoting Bayesian approximation error method for compensating for the mismodeling of optical properties in fluorescence molecular tomography. <i>Optics Letters</i> , 2017, 42, 3024.	3.3	8
92	Multifocus optical-resolution photoacoustic microscope using ultrafast axial scanning of single laser pulse. <i>Optics Express</i> , 2017, 25, 28192.	3.4	23
93	Automatic classification of neurons based on three-dimensional cytoarchitectonic images. , 2017, , .		0
94	A Quantitative Analysis of the Distribution of CRH Neurons in Whole Mouse Brain. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 63.	1.7	86
95	Precise Cerebral Vascular Atlas in Stereotaxic Coordinates of Whole Mouse Brain. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 128.	1.7	176
96	TDat: An Efficient Platform for Processing Petabyte-Scale Whole-Brain Volumetric Images. <i>Frontiers in Neural Circuits</i> , 2017, 11, 51.	2.8	52
97	Embedding and Chemical Reactivation of Green Fluorescent Protein in the Whole Mouse Brain for Optical Micro-Imaging. <i>Frontiers in Neuroscience</i> , 2017, 11, 121.	2.8	40
98	GRIN lens based high speed confocal system for deep brain calcium imaging. , 2017, , .		0
99	CNN-based Automatic Region Identification for Accelerating Whole Mouse Brain Imaging. , 2017, , .		0
100	Brainsmatics—bridging the brain science and brain-inspired artificial intelligence. <i>Scientia Sinica Vitae</i> , 2017, 47, 1015-1024.	0.3	9
101	A Novel Mouse Segmentation Method Based on Dynamic Contrast Enhanced Micro-CT Images. <i>PLoS ONE</i> , 2017, 12, e0169424.	2.5	24
102	A simple, rapid method to precisely locate mRNAs of intact mouse brain via fluorescence tomography. , 2017, , .		0
103	Brainsmatics: Deciphering Brain Function with Brain-wide Networks. , 2017, , .		0
104	Advanced NeuroGPS-Tree achieves brain-wide reconstruction of neuronal population. , 2017, , .		0
105	Interfacing Global Fiber Tracking for Optical Microscopy Imaging. , 2017, , .		0
106	Path-based preprocess method for accelerating decoupled fluorescence Monte Carlo simulation. , 2017, , .		0
107	Monitoring the Breath Signal of Small Animals for Gated Photoacoustic Microscopy of Mice. , 2017, , .		0
108	3D Affine Registration of Large Image Stack for High-Resolution Brain Imaging Techniques. , 2017, , .		0

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109	In vivo optical imaging of anti-tumor immune response. , 2017, , .		0
110	Delivery of Peptide Antigen with Lipid-based Fluorescent-trackable Nanoparticles in Vivo for Cancer Immunotherapy. , 2017, , .		0
111	Parallel Implementation of 2D Structure Tensor for High Resolution Brain Imaging. , 2017, , .		0
112	Tunable Acoustic Gradient Index Lens for Fast Axial Scanning Photoacoustic Microscopy. , 2017, , .		0
113	Automatic Collection of Paraffin-embedded Tissue Sections. , 2017, , .		0
114	A Feature Point Based Registration of Brain Microscopic Images to the Reference Brain Atlas. , 2017, , .		0
115	5. Optical Molecular Imaging for Small Animals in vivo. , 2017, , 324-401.		0
116	Magnetic Enrichment of Dendritic Cell Vaccine in Lymph Node with Fluorescent-Magnetic Nanoparticles Enhanced Cancer Immunotherapy. Theranostics, 2016, 6, 2000-2014.	10.0	72
117	Long-term intravital imaging of the multicolor-coded tumor microenvironment during combination immunotherapy. ELife, 2016, 5, .	6.0	48
118	<i>In Vivo</i> Visualization of Tumor Antigen-containing Microparticles Generated in Fluorescent-protein-elicited Immunity. Theranostics, 2016, 6, 1453-1466.	10.0	23
119	An Automatic Method for Nucleus Boundary Segmentation Based on a Closed Cubic Spline. Frontiers in Neuroinformatics, 2016, 10, 21.	2.5	5
120	The Stress and Vascular Catastrophes in Newborn Rats: Mechanisms Preceding and Accompanying the Brain Hemorrhages. Frontiers in Physiology, 2016, 7, 210.	2.8	6
121	Intravital imaging of hepatic sinusoids using optical-resolution photoacoustic microscopy. , 2016, , .		0
122	Targeting dendritic cells in lymph node with an antigen peptide-based nanovaccine for cancer immunotherapy. Biomaterials, 2016, 98, 171-183.	11.4	122
123	Potential Indexing of the Invasiveness of Breast Cancer Cells by Mitochondrial Redox Ratios. Advances in Experimental Medicine and Biology, 2016, 923, 121-127.	1.6	31
124	High-dynamic-range fluorescence molecular tomography for imaging of fluorescent targets with large concentration differences. Optics Express, 2016, 24, 19920.	3.4	12
125	Hypoxia and Neonatal Haemorrhagic Stroke: Experimental Study of Mechanisms. Advances in Experimental Medicine and Biology, 2016, 923, 173-179.	1.6	0
126	Boundary Element Method for Reconstructing Absorption and Diffusion Coefficients of Biological Tissues in DOT/MicroCT Imaging. Advances in Experimental Medicine and Biology, 2016, 923, 421-426.	1.6	0

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127	High-throughput dual-colour precision imaging for brain-wide connectome with cytoarchitectonic landmarks at the cellular level. <i>Nature Communications</i> , 2016, 7, 12142.	12.8	295
128	Cerebral venous circulatory disturbance as an informative prognostic marker for neonatal hemorrhagic stroke. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
129	Direct 3D Analyses Reveal Barrel-Specific Vascular Distribution and Cross-Barrel Branching in the Mouse Barrel Cortex. <i>Cerebral Cortex</i> , 2016, 26, 23-31.	2.9	36
130	Rapid and prodium iodide-compatible optical clearing method for brain tissue based on sugar/sugar-alcohol. <i>Journal of Biomedical Optics</i> , 2016, 21, 081203.	2.6	29
131	Silent Vascular Catastrophes in the Brain in Term Newborns: Strategies for Optical Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 88-101.	2.9	9
132	Skull Optical Clearing Solution for Enhancing Ultrasonic and Photoacoustic Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 1903-1906.	8.9	39
133	NeuroGPS-Tree: automatic reconstruction of large-scale neuronal populations with dense neurites. <i>Nature Methods</i> , 2016, 13, 51-54.	19.0	112
134	Reflection-mode Bessel-beam photoacoustic microscopy for in vivo imaging of cerebral capillaries. <i>Optics Express</i> , 2016, 24, 20167.	3.4	42
135	Optical Fiber based Methods for Deep Brain Calcium Signal Measurements in Behaving Mice. , 2016, , .		0
136	Accelerating sectioning-based whole-brain imaging by real-time contour recognition of cytoarchitecture. , 2016, , .		0
137	Multi-channel fiber photometry for population neuronal activity recording. <i>Biomedical Optics Express</i> , 2015, 6, 3919.	2.9	87
138	iCut: an Integrative Cut Algorithm Enables Accurate Segmentation of Touching Cells. <i>Scientific Reports</i> , 2015, 5, 12089.	3.3	23
139	Reconstruction of micron resolution mouse brain surface from large-scale imaging dataset using resampling-based variational model. <i>Scientific Reports</i> , 2015, 5, 12782.	3.3	3
140	Zigzag Generalized Lévy Walk: the <i>In Vivo</i> Search Strategy of Immunocytes. <i>Theranostics</i> , 2015, 5, 1275-1290.	10.0	16
141	Co-registration of diffusion tensor imaging and micro-optical imaging based on ants. , 2015, , .		2
142	Visible rodent brain-wide networks at single-neuron resolution. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 70.	1.7	36
143	Decoupled fluorescence Monte Carlo model for direct computation of fluorescence in turbid media. <i>Journal of Biomedical Optics</i> , 2015, 20, 025002.	2.6	4
144	Accelerating fDOT image reconstruction based on path-history fluorescence Monte Carlo model by using three-level parallel architecture. <i>Optics Express</i> , 2015, 23, 25996.	3.4	4

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145	Comparison of cerebral microcirculation of alloxan diabetes and healthy mice using laser speckle contrast imaging. Proceedings of SPIE, 2015, , .	0.8	0
146	<i>Ex vivo</i> optical measurements of glucose diffusion kinetics in native and diabetic mouse skin. Journal of Biophotonics, 2015, 8, 332-346.	2.3	44
147	Optimized optical clearing method for imaging central nervous system. , 2015, , .		0
148	Accurate quantification of fluorescent targets within turbid media based on a decoupled fluorescence Monte Carlo model. Optics Letters, 2015, 40, 3129.	3.3	7
149	Fluorescence molecular tomography in the second near-infrared window. Optics Express, 2015, 23, 12669.	3.4	30
150	Dual-slit confocal light sheet microscopy for in vivo whole-brain imaging of zebrafish. Biomedical Optics Express, 2015, 6, 1797.	2.9	27
151	Optical monitoring of stress-related changes in the brain tissues and vessels associated with hemorrhagic stroke in newborn rats. Biomedical Optics Express, 2015, 6, 4088.	2.9	15
152	Nonlinear optical microscopy for immunoimaging: a custom optimized system of high-speed, large-area, multicolor imaging. Quantitative Imaging in Medicine and Surgery, 2015, 5, 30-9.	2.0	3
153	Visible whole mouse brain at single neuron resolution. , 2015, , .		0
154	An Automated Three-Dimensional Detection and Segmentation Method for Touching Cells by Integrating Concave Points Clustering and Random Walker Algorithm. PLoS ONE, 2014, 9, e104437.	2.5	16
155	Multi-Scale Optical Imaging of the Delayed Type Hypersensitivity Reaction Attenuated by Rapamycin. Theranostics, 2014, 4, 201-214.	10.0	10
156	Early identification of acute hypoxia based on brain NADH fluorescence and cerebral blood flow. Journal of Innovative Optical Health Sciences, 2014, 07, 1450033.	1.0	5
157	Dynamic monitoring of optical clearing of skin using photoacoustic microscopy and ultrasonography. Optics Express, 2014, 22, 1094.	3.4	20
158	Chemical reactivation of quenched fluorescent protein molecules enables resin-embedded fluorescence microimaging. Nature Communications, 2014, 5, 3992.	12.8	99
159	Preclinical evidence of mitochondrial nicotinamide adenine dinucleotide as an effective alarm parameter under hypoxia. Journal of Biomedical Optics, 2014, 19, 017005.	2.6	10
160	Reweighted L1 regularization for restraining artifacts in FMT reconstruction images with limited measurements. Optics Letters, 2014, 39, 4148.	3.3	29
161	Visible Brain-wide Networks at Single-neuron Resolution with Micro-Optical Sectioning Tomography. , 2014, , .		1
162	Optimization of sample cooling temperature for redox cryo-imaging. Journal of Biomedical Optics, 2014, 19, 080502.	2.6	3

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163	Evaluation of path-history-based fluorescence Monte Carlo method for photon migration in heterogeneous media. Optics Express, 2014, 22, 31948.	3.4	9
164	Multiscale photoacoustic microscopy with continuously tunable resolution. Optics Letters, 2014, 39, 3939.	3.3	14
165	Studying hemispheric lateralization during a Stroop task through near-infrared spectroscopy-based connectivity. Journal of Biomedical Optics, 2014, 19, 057012.	2.6	37
166	Detection of optical neuronal signals in the visual cortex using continuous wave near-infrared spectroscopy. NeuroImage, 2014, 87, 190-198.	4.2	20
167	3D BrainCV: Simultaneous visualization and analysis of cells and capillaries in a whole mouse brain with one-micron voxel resolution. NeuroImage, 2014, 87, 199-208.	4.2	108
168	Combining high-throughput phenotyping and genome-wide association studies to reveal natural genetic variation in rice. Nature Communications, 2014, 5, 5087.	12.8	490
169	Review: Tissue Optical Clearing Window for Blood Flow Monitoring. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 92-103.	2.9	26
170	Multiresolution analysis of pathological changes in cerebral venous dynamics in newborn mice with intracranial hemorrhage: adrenergic vasorelaxation. Physiological Measurement, 2014, 35, 1983-1999.	2.1	19
171	Comparison research on waste classification between China and the EU, Japan, and the USA. Journal of Material Cycles and Waste Management, 2014, 16, 321-334.	3.0	54
172	Nasopharyngeal Cancer-Specific Therapy Based on Fusion Peptide-Functionalized Lipid Nanoparticles. ACS Nano, 2014, 8, 4334-4347.	14.6	39
173	Coherent slow cortical potentials reveal a superior localization of resting-state functional connectivity using voltage-sensitive dye imaging. NeuroImage, 2014, 91, 162-168.	4.2	8
174	Monitoring Hemodynamic and Metabolic Alterations during Severe Hemorrhagic Shock in Rat Brains. Academic Radiology, 2014, 21, 175-184.	2.5	14
175	Studying hemispheric lateralization during a Stroop task by near-infrared spectroscopy. , 2014, , .		1
176	Technical considerations on confocal based fluorescence micro-optical sectioning tomography for visualizing brain circuits. Proceedings of SPIE, 2014, , .	0.8	0
177	Digital reconstruction of the cell body in dense neural circuits using a spherical-coordinated variational model. Scientific Reports, 2014, 4, 4970.	3.3	12
178	Cerebral Hemodynamic Change and Metabolic Alteration in Severe Hemorrhagic Shock. Advances in Experimental Medicine and Biology, 2014, 812, 217-223.	1.6	5
179	Refractory Period Modulates the Spatiotemporal Evolution of Cortical Spreading Depression: A Computational Study. PLoS ONE, 2014, 9, e84609.	2.5	2
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