

Qingming Luo

List of Publications by Year in descending order

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568
papers

15,093
citations

22153

59
h-index

34986

98
g-index

593
all docs

593
docs citations

593
times ranked

15064
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining high-throughput phenotyping and genome-wide association studies to reveal natural genetic variation in rice. <i>Nature Communications</i> , 2014, 5, 5087.	12.8	490
2	Micro-Optical Sectioning Tomography to Obtain a High-Resolution Atlas of the Mouse Brain. <i>Science</i> , 2010, 330, 1404-1408.	12.6	463
3	Regulated ATP release from astrocytes through lysosome exocytosis. <i>Nature Cell Biology</i> , 2007, 9, 945-953.	10.3	461
4	Recent progress in tissue optical clearing. <i>Laser and Photonics Reviews</i> , 2013, 7, 732-757.	8.7	425
5	A multimodal cell census and atlas of the mammalian primary motor cortex. <i>Nature</i> , 2021, 598, 86-102.	27.8	316
6	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
7	Molecular-Targeted Immunotherapeutic Strategy for Melanoma <i>via</i> Dual-Targeting Nanoparticles Delivering Small Interfering RNA to Tumor-Associated Macrophages. <i>ACS Nano</i> , 2017, 11, 9536-9549.	14.6	268
8	Generation of a whole-brain atlas for the cholinergic system and mesoscopic projectome analysis of basal forebrain cholinergic neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 415-420.	7.1	241
9	Modified laser speckle imaging method with improved spatial resolution. <i>Journal of Biomedical Optics</i> , 2003, 8, 559.	2.6	236
10	Continuously tracing brain-wide long-distance axonal projections in mice at a one-micron voxel resolution. <i>NeuroImage</i> , 2013, 74, 87-98.	4.2	219
11	Imaging cerebral blood flow through the intact rat skull with temporal laser speckle imaging. <i>Optics Letters</i> , 2006, 31, 1824.	3.3	212
12	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
13	Morphological diversity of single neurons in molecularly defined cell types. <i>Nature</i> , 2021, 598, 174-181.	27.8	180
14	Precise Cerebral Vascular Atlas in Stereotaxic Coordinates of Whole Mouse Brain. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 128.	1.7	176
15	The interface behavior of hemoglobin at carbon nanotube and the detection for HO. <i>Talanta</i> , 2005, 65, 489-494.	5.5	174
16	FDISCO: Advanced solvent-based clearing method for imaging whole organs. <i>Science Advances</i> , 2019, 5, eaau8355.	10.3	171
17	Direct electrochemistry of horseradish peroxidase at carbon nanotube powder microelectrode. <i>Sensors and Actuators B: Chemical</i> , 2002, 87, 168-172.	7.8	167
18	Anodic oxidation of hydrazine at carbon nanotube powder microelectrode and its detection. <i>Talanta</i> , 2002, 58, 529-534.	5.5	160

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19	Optical investigations of physiology. A study of intrinsic and extrinsic biomedical contrast. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997, 352, 707-716.	4.0	152
20	Biomimetic Nanocarrier for Direct Cytosolic Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9171-9175.	13.8	150
21	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
22	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
23	The mouse cortico-basal ganglia-thalamic network. <i>Nature</i> , 2021, 598, 188-194.	27.8	126
24	HDL-Mimicking Peptide-Lipid Nanoparticles with Improved Tumor Targeting. <i>Small</i> , 2010, 6, 430-437.	10.0	122
25	Targeting dendritic cells in lymph node with an antigen peptide-based nanovaccine for cancer immunotherapy. <i>Biomaterials</i> , 2016, 98, 171-183.	11.4	122
26	Cellular anatomy of the mouse primary motor cortex. <i>Nature</i> , 2021, 598, 159-166.	27.8	117
27	NeuroGPS-Tree: automatic reconstruction of large-scale neuronal populations with dense neurites. <i>Nature Methods</i> , 2016, 13, 51-54.	19.0	112
28	3D BrainCV: Simultaneous visualization and analysis of cells and capillaries in a whole mouse brain with one-micron voxel resolution. <i>NeuroImage</i> , 2014, 87, 199-208.	4.2	108
29	Electrocatalytic oxidation of cysteine at carbon nanotube powder microelectrode and its detection. <i>Sensors and Actuators B: Chemical</i> , 2003, 92, 279-285.	7.8	106
30	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
31	Dividing glial cells maintain differentiated properties including complex morphology and functional synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 328-333.	7.1	99
32	Hybrid Melittin Cytolytic Peptide-Driven Ultrasmall Lipid Nanoparticles Block Melanoma Growth <i>in Vivo</i> . <i>ACS Nano</i> , 2013, 7, 5791-5800.	14.6	99
33	Chemical reactivation of quenched fluorescent protein molecules enables resin-embedded fluorescence microimaging. <i>Nature Communications</i> , 2014, 5, 3992.	12.8	99
34	Microfluidic Chip toward Cellular ATP and ATP-Conjugated Metabolic Analysis with Bioluminescence Detection. <i>Analytical Chemistry</i> , 2005, 77, 573-578.	6.5	95
35	Simultaneous compensation for spatial and temporal dispersion of acousto-optical deflectors for two-dimensional scanning with a single prism. <i>Optics Letters</i> , 2006, 31, 1091.	3.3	93
36	Gender-specific hemodynamics in prefrontal cortex during a verbal working memory task by near-infrared spectroscopy. <i>Behavioural Brain Research</i> , 2010, 209, 148-153.	2.2	93

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37	Immune modulation of liver sinusoidal endothelial cells by melittin nanoparticles suppresses liver metastasis. <i>Nature Communications</i> , 2019, 10, 574.	12.8	93
38	A novel far-red bimolecular fluorescence complementation system that allows for efficient visualization of protein interactions under physiological conditions. <i>Biosensors and Bioelectronics</i> , 2009, 25, 234-239.	10.1	92
39	Mass spectrometry in systems biology: An overview. <i>Mass Spectrometry Reviews</i> , 2008, 27, 635-660.	5.4	91
40	Laser speckle imaging of blood flow in microcirculation. <i>Physics in Medicine and Biology</i> , 2004, 49, 1347-1357.	3.0	88
41	Multi-channel fiber photometry for population neuronal activity recording. <i>Biomedical Optics Express</i> , 2015, 6, 3919.	2.9	87
42	Single-neuron projectome of mouse prefrontal cortex. <i>Nature Neuroscience</i> , 2022, 25, 515-529.	14.8	87
43	Quantitative analysis of dehydration in porcine skin for assessing mechanism of optical clearing. <i>Journal of Biomedical Optics</i> , 2011, 16, 095002.	2.6	86
44	A Quantitative Analysis of the Distribution of CRH Neurons in Whole Mouse Brain. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 63.	1.7	86
45	Temperature-dependent photoluminescence of water-soluble quantum dots for a bioprobe. <i>Analytica Chimica Acta</i> , 2006, 559, 120-123.	5.4	84
46	Visualization of brain circuits using two-photon fluorescence micro-optical sectioning tomography. <i>Optics Express</i> , 2013, 21, 9839.	3.4	84
47	Imaging dermal blood flow through the intact rat skin with an optical clearing method. <i>Journal of Biomedical Optics</i> , 2010, 15, 026008.	2.6	81
48	Microfluidic chip: Next-generation platform for systems biology. <i>Analytica Chimica Acta</i> , 2009, 650, 83-97.	5.4	79
49	Scavenger Receptor B1 is a Potential Biomarker of Human Nasopharyngeal Carcinoma and Its Growth is Inhibited by HDL-mimetic Nanoparticles. <i>Theranostics</i> , 2013, 3, 477-486.	10.0	79
50	Spatiotemporal laser speckle contrast analysis for blood flow imaging with maximized speckle contrast. <i>Journal of Biomedical Optics</i> , 2010, 15, 016003.	2.6	77
51	Ultra-fast, high-precision image analysis for localization-based super resolution microscopy. <i>Optics Express</i> , 2010, 18, 11867.	3.4	76
52	A large, switchable optical clearing skull window for cerebrovascular imaging. <i>Theranostics</i> , 2018, 8, 2696-2708.	10.0	76
53	High-definition imaging using line-illumination modulation microscopy. <i>Nature Methods</i> , 2021, 18, 309-315.	19.0	76
54	Optical clearing for multiscale biological tissues. <i>Journal of Biophotonics</i> , 2018, 11, e201700187.	2.3	75

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55	Skin backreflectance and microvascular system functioning at the action of osmotic agents. <i>Journal of Applied Physics</i> , 2003, 36, 1739-1746.	2.8	74
56	Visualization of light propagation in visible Chinese human head for functional near-infrared spectroscopy. <i>Journal of Biomedical Optics</i> , 2011, 16, 1.	2.6	74
57	Localization-based super-resolution microscopy with an sCMOS camera. <i>Optics Express</i> , 2011, 19, 19156.	3.4	72
58	Magnetic Enrichment of Dendritic Cell Vaccine in Lymph Node with Fluorescent-Magnetic Nanoparticles Enhanced Cancer Immunotherapy. <i>Theranostics</i> , 2016, 6, 2000-2014.	10.0	72
59	High-sensitivity quantum dot-based fluorescence resonance energy transfer bioanalysis by capillary electrophoresis. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1283-1289.	10.1	65
60	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
61	TeraVR empowers precise reconstruction of complete 3-D neuronal morphology in the whole brain. <i>Nature Communications</i> , 2019, 10, 3474.	12.8	64
62	Optical molecular imaging for systems biology: from molecule to organism. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 444-457.	3.7	62
63	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
64	Kinetic thermal response and damage in laser coagulation of tissue. <i>Lasers in Surgery and Medicine</i> , 2002, 31, 313-321.	2.1	60
65	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
66	High-Order Photobleaching of Green Fluorescent Protein inside Live Cells in Two-Photon Excitation Microscopy. <i>Biochemical and Biophysical Research Communications</i> , 2002, 291, 1272-1275.	2.1	59
67	Preparation of silica encapsulated quantum dot encoded beads for multiplex assay and its properties. <i>Analytical Biochemistry</i> , 2006, 351, 193-200.	2.4	59
68	Controlling the scattering of Intralipid by using optical clearing agents. <i>Physics in Medicine and Biology</i> , 2009, 54, 6917-6930.	3.0	59
69	MCVM: MONTE CARLO MODELING OF PHOTON MIGRATION IN VOXELIZED MEDIA. <i>Journal of Innovative Optical Health Sciences</i> , 2010, 03, 91-102.	1.0	59
70	Detection of MMP activity in living cells by a genetically encoded surface-displayed FRET sensor. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 400-407.	4.1	58
71	Gender difference in hemodynamic responses of prefrontal area to emotional stress by near-infrared spectroscopy. <i>Behavioural Brain Research</i> , 2007, 178, 172-176.	2.2	57
72	NeuroGPS: automated localization of neurons for brain circuits using L1 minimization model. <i>Scientific Reports</i> , 2013, 3, 1414.	3.3	56

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73	Redox ratio of mitochondria as an indicator for the response of photodynamic therapy. <i>Journal of Biomedical Optics</i> , 2004, 9, 772.	2.6	55
74	Dynamic analysis of optimality in myocardial energy metabolism under normal and ischemic conditions. <i>Molecular Systems Biology</i> , 2006, 2, 2006.0031.	7.2	55
75	THE DEVELOPMENT AND APPLICATION OF THE VISIBLE CHINESE HUMAN MODEL FOR MONTE CARLO DOSE CALCULATIONS. <i>Health Physics</i> , 2008, 94, 118-125.	0.5	55
76	Comparison research on waste classification between China and the EU, Japan, and the USA. <i>Journal of Material Cycles and Waste Management</i> , 2014, 16, 321-334.	3.0	54
77	RTF: a rapid and versatile tissue optical clearing method. <i>Scientific Reports</i> , 2018, 8, 1964.	3.3	53
78	Metabolic imaging of tumors using intrinsic and extrinsic fluorescent markers. <i>Biosensors and Bioelectronics</i> , 2004, 20, 643-650.	10.1	52
79	Biological networks to the analysis of microarray data. <i>Progress in Natural Science: Materials International</i> , 2006, 16, 1242-1251.	4.4	52
80	Novel pyrimidine-based amphiphilic molecules: synthesis, spectroscopic properties and applications in two-photon fluorescence microscopic imaging. <i>Journal of Materials Chemistry</i> , 2007, 17, 2921.	6.7	52
81	TDat: An Efficient Platform for Processing Petabyte-Scale Whole-Brain Volumetric Images. <i>Frontiers in Neural Circuits</i> , 2017, 11, 51.	2.8	52
82	MACS: Rapid Aqueous Clearing System for 3D Mapping of Intact Organs. <i>Advanced Science</i> , 2020, 7, 1903185.	11.2	52
83	Fast blood flow visualization of high-resolution laser speckle imaging data using graphics processing unit. <i>Optics Express</i> , 2008, 16, 14321.	3.4	51
84	Genetic Single Neuron Anatomy Reveals Fine Granularity of Cortical Axo-Axonic Cells. <i>Cell Reports</i> , 2019, 26, 3145-3159.e5.	6.4	51
85	High-throughput measurement of rice tillers using a conveyor equipped with x-ray computed tomography. <i>Review of Scientific Instruments</i> , 2011, 82, 025102.	1.3	50
86	Optical clearing agents improve photoacoustic imaging in the optical diffusive regime. <i>Optics Letters</i> , 2013, 38, 4236.	3.3	48
87	Long-term intravital imaging of the multicolor-coded tumor microenvironment during combination immunotherapy. <i>ELife</i> , 2016, 5, .	6.0	48
88	Characterization of backscattering Mueller matrix patterns of highly scattering media with triple scattering assumption. <i>Optics Express</i> , 2007, 15, 9672.	3.4	46
89	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
90	Environmentally friendly surface modification of PDMS using PEG polymer brush. <i>Electrophoresis</i> , 2009, 30, 3174-3180.	2.4	45

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91	Signal and depth enhancement for in vivo flow cytometer measurement of ear skin by optical clearing agents. <i>Biomedical Optics Express</i> , 2013, 4, 2518.	2.9	44
92	Ex vivo optical measurements of glucose diffusion kinetics in native and diabetic mouse skin. <i>Journal of Biophotonics</i> , 2015, 8, 332-346.	2.3	44
93	Monte Carlo modeling of optical coherence tomography imaging through turbid media. <i>Applied Optics</i> , 2004, 43, 1628.	2.1	43
94	Monitoring thermal-induced changes in tumor blood flow and microvessels with laser speckle contrast imaging. <i>Applied Optics</i> , 2007, 46, 1911.	2.1	43
95	Photostimulation of astrocytes with femtosecond laser pulses. <i>Optics Express</i> , 2009, 17, 1291.	3.4	42
96	Reflection-mode Bessel-beam photoacoustic microscopy for in vivo imaging of cerebral capillaries. <i>Optics Express</i> , 2016, 24, 20167.	3.4	42
97	Characterization of synchronized bursts in cultured hippocampal neuronal networks with learning training on microelectrode arrays. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2976-2982.	10.1	41
98	Simultaneous monitoring of intracellular pH changes and hemodynamic response during cortical spreading depression by fluorescence-corrected multimodal optical imaging. <i>NeuroImage</i> , 2011, 57, 873-884.	4.2	41
99	Modified Golgi-Cox method for micrometer scale sectioning of the whole mouse brain. <i>Journal of Neuroscience Methods</i> , 2011, 197, 1-5.	2.5	41
100	Development of a Plastic Embedding Method for Large-Volume and Fluorescent-Protein-Expressing Tissues. <i>PLoS ONE</i> , 2013, 8, e60877.	2.5	41
101	The oxidation and reduction behavior of nitrite at carbon nanotube powder microelectrodes. <i>Microchemical Journal</i> , 2003, 75, 189-198.	4.5	40
102	Knowledge guided analysis of microarray data. <i>Journal of Biomedical Informatics</i> , 2006, 39, 401-411.	4.3	40
103	Combined system of fluorescence diffuse optical tomography and microcomputed tomography for small animal imaging. <i>Review of Scientific Instruments</i> , 2010, 81, 054304.	1.3	40
104	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
105	Time-varying spreading depression waves in rat cortex revealed by optical intrinsic signal imaging. <i>Neuroscience Letters</i> , 2006, 396, 132-136.	2.1	39
106	Reflection-mode optical-resolution photoacoustic microscopy based on a reflective objective. <i>Optics Express</i> , 2013, 21, 24210.	3.4	39
107	Fast optical sectioning obtained by structured illumination microscopy using a digital mirror device. <i>Journal of Biomedical Optics</i> , 2013, 18, 060503.	2.6	39
108	Nasopharyngeal Cancer-Specific Therapy Based on Fusion Peptide-Functionalized Lipid Nanoparticles. <i>ACS Nano</i> , 2014, 8, 4334-4347.	14.6	39

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109	Skull Optical Clearing Solution for Enhancing Ultrasonic and Photoacoustic Imaging. IEEE Transactions on Medical Imaging, 2016, 35, 1903-1906.	8.9	39
110	Spatial Distribution of Motor Endplates and its Adaptive Change in Skeletal Muscle. Theranostics, 2019, 9, 734-746.	10.0	39
111	Micro-separation toward systems biology. Journal of Chromatography A, 2006, 1106, 19-28.	3.7	38
112	Short-term and long-term effects of optical clearing agents on blood vessels in chick chorioallantoic membrane. Journal of Biomedical Optics, 2008, 13, 021106.	2.6	38
113	Enhancement of skin optical clearing efficacy using photo-irradiation. Lasers in Surgery and Medicine, 2010, 42, 132-140.	2.1	38
114	Fast discrimination and counting of filled/unfilled rice spikelets based on bi-modal imaging. Computers and Electronics in Agriculture, 2011, 75, 196-203.	7.7	38
115	Dual-wavelength laser speckle imaging to simultaneously access blood flow, blood volume, and oxygenation using a color CCD camera. Optics Letters, 2013, 38, 3690.	3.3	38
116	A Robust Image Registration Interface for Large Volume Brain Atlas. Scientific Reports, 2020, 10, 2139.	3.3	38
117	Transabdominal fetal pulse oximetry with near-infrared spectroscopy. American Journal of Obstetrics and Gynecology, 2005, 192, 129-133.	1.3	37
118	BDNF Acutely Modulates Synaptic Transmission and Calcium Signalling in Developing Cortical Neurons. Cellular Physiology and Biochemistry, 2005, 16, 69-76.	1.6	37
119	Adaptive synthetic-aperture focusing technique for microvasculature imaging using photoacoustic microscopy. Optics Express, 2012, 20, 7555.	3.4	37
120	Studying hemispheric lateralization during a Stroop task through near-infrared spectroscopy-based connectivity. Journal of Biomedical Optics, 2014, 19, 057012.	2.6	37
121	IMPROVE OPTICAL CLEARING OF SKIN IN VITRO WITH PROPYLENE GLYCOL AS A PENETRATION ENHANCER. Journal of Innovative Optical Health Sciences, 2009, 02, 269-278.	1.0	36
122	Two-dimensional synthetic-aperture focusing technique in photoacoustic microscopy. Journal of Applied Physics, 2011, 109, .	2.5	36
123	Visible rodent brain-wide networks at single-neuron resolution. Frontiers in Neuroanatomy, 2015, 9, 70.	1.7	36
124	Direct 3D Analyses Reveal Barrel-Specific Vascular Distribution and Cross-Barrel Branching in the Mouse Barrel Cortex. Cerebral Cortex, 2016, 26, 23-31.	2.9	36
125	Metastatic status of sentinel lymph nodes in breast cancer determined with photoacoustic microscopy via dual-targeting nanoparticles. Light: Science and Applications, 2020, 9, 164.	16.6	36
126	RecV recombinase system for in vivo targeted optogenomic modifications of single cells or cell populations. Nature Methods, 2020, 17, 422-429.	19.0	36

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127	Cross-modal coherent registration of whole mouse brains. <i>Nature Methods</i> , 2022, 19, 111-118.	19.0	36
128	Simultaneous detection of hemodynamics, mitochondrial metabolism and light scattering changes during cortical spreading depression in rats based on multi-spectral optical imaging. <i>NeuroImage</i> , 2013, 76, 70-80.	4.2	35
129	Long-term recording on multi-electrode array reveals degraded inhibitory connection in neuronal network development. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1538-1543.	10.1	34
130	<i>In vivo</i> imaging of hemodynamics and oxygen metabolism in acute focal cerebral ischemic rats with laser speckle imaging and functional photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2012, 17, 081415.	2.6	34
131	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
132	Hyperosmotic chemical agent's effect on <i>in vivo</i> cerebral blood flow revealed by laser speckle. <i>Applied Optics</i> , 2004, 43, 5772.	2.1	32
133	Tetrameric far-red fluorescent protein as a scaffold to assemble an octavalent peptide nanoprobe for enhanced tumor targeting and intracellular uptake <i>in vivo</i> . <i>FASEB Journal</i> , 2011, 25, 1865-1873.	0.5	32
134	Construction of multiphoton laser scanning microscope based on dual-axis acousto-optic deflector. <i>Review of Scientific Instruments</i> , 2006, 77, 046101.	1.3	31
135	Potential Indexing of the Invasiveness of Breast Cancer Cells by Mitochondrial Redox Ratios. <i>Advances in Experimental Medicine and Biology</i> , 2016, 923, 121-127.	1.6	31
136	Efficient characterization of regional mesenteric blood flow by use of laser speckle imaging. <i>Applied Optics</i> , 2003, 42, 5759.	2.1	30
137	TRAIL-induced apoptosis proceeding from caspase-3-dependent and -independent pathways in distinct HeLa cells. <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 1136-1141.	2.1	30
138	Monte Carlo simulations for external neutron dosimetry based on the visible Chinese human phantom. <i>Physics in Medicine and Biology</i> , 2007, 52, 7367-7383.	3.0	30
139	An image-based rat model for Monte Carlo organ dose calculations. <i>Medical Physics</i> , 2008, 35, 3759-3764.	3.0	30
140	Organ dose calculations by Monte Carlo modeling of the updated VCH adult male phantom against idealized external proton exposure. <i>Physics in Medicine and Biology</i> , 2008, 53, 3697-3722.	3.0	30
141	Fluorescence molecular tomography in the second near-infrared window. <i>Optics Express</i> , 2015, 23, 12669.	3.4	30
142	Reweighted L1 regularization for restraining artifacts in FMT reconstruction images with limited measurements. <i>Optics Letters</i> , 2014, 39, 4148.	3.3	29
143	Rapid and pridium 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
144	Fast axial-scanning photoacoustic microscopy using tunable acoustic gradient lens. <i>Optics Express</i> , 2017, 25, 7349.	3.4	29

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145	Effects of dehydration on the optical properties of in vitro porcine liver. <i>Lasers in Surgery and Medicine</i> , 2003, 33, 226-231.	2.1	28
146	Spatiotemporal characteristics of cerebral blood volume changes in rat somatosensory cortex evoked by sciatic nerve stimulation and obtained by optical imaging. <i>Journal of Biomedical Optics</i> , 2003, 8, 629.	2.6	28
147	In vivo optical reflectance imaging of spreading depression waves in rat brain with and without focal cerebral ischemia. <i>Journal of Biomedical Optics</i> , 2006, 11, 034002.	2.6	28
148	Acute hyperglycemia compromises cerebral blood flow following cortical spreading depression in rats monitored by laser speckle imaging. <i>Journal of Biomedical Optics</i> , 2008, 13, 064023.	2.6	28
149	Dynamic change of collateral flow varying with distribution of regional blood flow in acute ischemic rat cortex. <i>Journal of Biomedical Optics</i> , 2012, 17, 125001.	2.6	28
150	A fast neuronal signal-sensitive continuous-wave near-infrared imaging system. <i>Review of Scientific Instruments</i> , 2012, 83, 094301.	1.3	28
151	Elevated-temperature-induced acceleration of PACT clearing process of mouse brain tissue. <i>Scientific Reports</i> , 2017, 7, 38848.	3.3	28
152	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
153	1064nm-Nd:YAG lasers with different output modes enhancing transdermal delivery: physical and physiological mechanisms. <i>Journal of Biomedical Optics</i> , 2013, 18, 061228.	2.6	27
154	Dual-slit confocal light sheet microscopy for in vivo whole-brain imaging of zebrafish. <i>Biomedical Optics Express</i> , 2015, 6, 1797.	2.9	27
155	Effect of light losses of sample between two integrating spheres on optical properties estimation. <i>Journal of Biomedical Optics</i> , 2007, 12, 064004.	2.6	26
156	Review: Tissue Optical Clearing Window for Blood Flow Monitoring. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 92-103.	2.9	26
157	Study on molecular interactions between proteins on live cell membranes using quantum dot-based fluorescence resonance energy transfer. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2819-2824.	3.7	25
158	Monitoring of dual bio-molecular events using FRET biosensors based on mTagBFP/sfGFP and mVenus/mKO ² fluorescent protein pairs. <i>Biosensors and Bioelectronics</i> , 2013, 46, 97-101.	10.1	25
159	Automated and Accurate Detection of Soma Location and Surface Morphology in Large-Scale 3D Neuron Images. <i>PLoS ONE</i> , 2013, 8, e62579.	2.5	25
160	Multisynchronization of Interconnected Memristor-Based Impulsive Neural Networks With Fuzzy Hybrid Control. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 3069-3084.	9.8	25
161	GTree: an Open-source Tool for Dense Reconstruction of Brain-wide Neuronal Population. <i>Neuroinformatics</i> , 2021, 19, 305-317.	2.8	25
162	A ligation-independent cloning method using nicking DNA endonuclease. <i>BioTechniques</i> , 2010, 49, 817-821.	1.8	24

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164	A Novel Mouse Segmentation Method Based on Dynamic Contrast Enhanced Micro-CT Images. PLoS ONE, 2017, 12, e0169424.	2.5	24
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