

# Chris Xu

## List of Publications by Citations

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161  
papers

10,548  
citations

42  
h-index

101  
g-index

265  
ext. papers

12,869  
ext. citations

5  
avg, IF

6.22  
L-index

#	Paper	IF	Citations
161	Design of organic molecules with large two-photon absorption cross sections. <i>Science</i> , <b>1998</b> , 281, 1653-633	33.3	1841
160	Measurement of two-photon excitation cross sections of molecular fluorophores with data from 690 to 1050 nm. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1996</b> , 13, 481	1.7	1797
159	three-photon microscopy of subcortical structures within an intact mouse brain. <i>Nature Photonics</i> , <b>2013</b> , 7,	33.9	830
158	Two-Photon Fluorescence Excitation Cross Sections of Biomolecular Probes from 690 to 960 nm. <i>Applied Optics</i> , <b>1998</b> , 37, 7352-6	1.7	540
157	Deep tissue multiphoton microscopy using longer wavelength excitation. <i>Optics Express</i> , <b>2009</b> , 17, 13354-64	5.64	391
156	Simultaneous spatial and temporal focusing of femtosecond pulses. <i>Optics Express</i> , <b>2005</b> , 13, 2153-9	3.3	309
155	In vivo three-photon imaging of activity of GCaMP6-labeled neurons deep in intact mouse brain. <i>Nature Methods</i> , <b>2017</b> , 14, 388-390	21.6	265
154	In vivo two-photon microscopy to 1.6-mm depth in mouse cortex. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 106014	3.5	264
153	Nanotools for neuroscience and brain activity mapping. <i>ACS Nano</i> , <b>2013</b> , 7, 1850-66	16.7	248
152	Compact and flexible raster scanning multiphoton endoscope capable of imaging unstained tissue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 17598-603	11.5	194
151	Three-photon imaging of mouse brain structure and function through the intact skull. <i>Nature Methods</i> , <b>2018</b> , 15, 789-792	21.6	146
150	Multiphoton excitation cross-sections of molecular fluorophores. <i>Bioimaging</i> , <b>1996</b> , 4, 198-207		118
149	All-optical, wavelength and bandwidth preserving, pulse delay based on parametric wavelength conversion and dispersion. <i>Optics Express</i> , <b>2005</b> , 13, 7872-7	3.3	110
148	Erythrocytes Are Oxygen-Sensing Regulators of the Cerebral Microcirculation. <i>Neuron</i> , <b>2016</b> , 91, 851-862	3.9	101
147	Measurements of multiphoton action cross sections for multiphoton microscopy. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 3427-33	3.5	99
146	Soliton Self-Frequency Shift: Experimental Demonstrations and Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2008</b> , 14, 713-723	3.8	90
145	Generation of intense 100 fs solitons tunable from 2 to 43 $\mu$ m in fluoride fiber. <i>Optica</i> , <b>2016</b> , 3, 948	8.6	87

144	In vivo imaging of unstained tissues using long gradient index lens multiphoton endoscopic systems. <i>Biomedical Optics Express</i> , <b>2012</b> , 3, 1077-85	3.5	86
143	Simultaneous spatial and temporal focusing for axial scanning. <i>Optics Express</i> , <b>2006</b> , 14, 12243-54	3.3	86
142	Postnonlinearity compensation with data-driven phase modulators in phase-shift keying transmission. <i>Optics Letters</i> , <b>2002</b> , 27, 1619-21	3	84
141	Feasibility of molecular-resolution fluorescence near-field microscopy using multi-photon absorption and field enhancement near a sharp tip. <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 1294-1301	2.5	84
140	Photonic analog-to-digital converter using soliton self-frequency shift and interleaving spectral filters. <i>Optics Letters</i> , <b>2003</b> , 28, 986-8	3	77
139	Experimental and theoretical analysis of core-to-core coupling on fiber bundle imaging. <i>Optics Express</i> , <b>2008</b> , 16, 21598-607	3.3	76
138	Determination of absolute two-photon excitation cross sections by in situ second-order autocorrelation. <i>Optics Letters</i> , <b>1995</b> , 20, 2372	3	76
137	Frequency Multiplexed Multiphoton Phosphorescence Lifetime Microscopy. <i>Nature Photonics</i> , <b>2013</b> , 7, 33-37	33.9	75
136	Measurement of group delay dispersion of high numerical aperture objective lenses using two-photon excited fluorescence. <i>Applied Optics</i> , <b>1997</b> , 36, 397-401	1.7	69
135	Ultrasensitive and high-dynamic-range two-photon absorption in a GaAs photomultiplier tube. <i>Optics Letters</i> , <b>2002</b> , 27, 2076-8	3	69
134	Numerical analysis of light propagation in image fibers or coherent fiber bundles. <i>Optics Express</i> , <b>2007</b> , 15, 2151-65	3.3	66
133	Spatiotemporal focusing-based widefield multiphoton microscopy for fast optical sectioning. <i>Optics Express</i> , <b>2012</b> , 20, 8939-48	3.3	61
132	In vivo imaging of unstained tissues using a compact and flexible multiphoton microendoscope. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 040505	3.5	60
131	Large tunable optical delays via self-phase modulation and dispersion. <i>Optics Express</i> , <b>2006</b> , 14, 12022-7	3.3	60
130	Multiwavelength pulse generator using time-lens compression. <i>Optics Letters</i> , <b>2004</b> , 29, 1470-2	3	60
129	Tunable high-energy soliton pulse generation from a large-mode-area fiber and its application to third harmonic generation microscopy. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 071112	3.4	52
128	Demonstration of soliton self-frequency shift below 1300 nm in higher-order mode, solid silica-based fiber. <i>Optics Letters</i> , <b>2007</b> , 32, 340-2	3	51
127	Multiphoton-excited visible emission by serotonin solutions. <i>Photochemistry and Photobiology</i> , <b>1997</b> , 65, 931-6	3.6	50

126	Advanced Fiber Soliton Sources for Nonlinear Deep Tissue Imaging in Biophotonics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2014</b> , 20, 50-60	3.8	48
125	Suppression of intrachannel four-wave-mixing induced ghost pulses in high-speed transmissions by phase inversion between adjacent marker blocks. <i>Optics Letters</i> , <b>2002</b> , 27, 1177-9	3	48
124	Three-color femtosecond source for simultaneous excitation of three fluorescent proteins in two-photon fluorescence microscopy. <i>Biomedical Optics Express</i> , <b>2012</b> , 3, 1972-7	3.5	47
123	Multiphoton excitation cross-sections of molecular fluorophores. <i>Bioimaging</i> , <b>1996</b> , 4, 198-207		47
122	Adaptive optics in multiphoton microscopy: comparison of two, three and four photon fluorescence. <i>Optics Express</i> , <b>2015</b> , 23, 31472-83	3.3	46
121	Multiphoton microscopy for structure identification in human prostate and periprostatic tissue: implications in prostate cancer surgery. <i>BJU International</i> , <b>2011</b> , 108, 1421-9	5.6	46
120	Comparing the effective attenuation lengths for long wavelength imaging of the mouse brain. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 3534-3543	3.5	45
119	Three-photon neuronal imaging in deep mouse brain. <i>Optica</i> , <b>2020</b> , 7, 947	8.6	41
118	Two-photon optical beam induced current imaging through the backside of integrated circuits. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 2578-2580	3.4	40
117	Synchronized time-lens source for coherent Raman scattering microscopy. <i>Optics Express</i> , <b>2010</b> , 18, 24019-24	3.24	38
116	Generation of 3.5 nJ femtosecond pulses from a continuous-wave laser without mode locking. <i>Optics Letters</i> , <b>2007</b> , 32, 1408-10	3	38
115	An adaptive excitation source for high-speed multiphoton microscopy. <i>Nature Methods</i> , <b>2020</b> , 17, 163-166	1.6	38
114	Nonlinear structured-illumination enhanced temporal focusing multiphoton excitation microscopy with a digital micromirror device. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 2526-36	3.5	33
113	Time-domain multimode dispersion measurement in a higher-order-mode fiber. <i>Optics Letters</i> , <b>2012</b> , 37, 347-9	3	33
112	Deep three-photon imaging of the brain in intact adult zebrafish. <i>Nature Methods</i> , <b>2020</b> , 17, 605-608	21.6	32
111	Fiber-based tunable repetition rate source for deep tissue two-photon fluorescence microscopy. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 2304-2311	3.5	32
110	Dispersion measurement of tapered air-silica microstructure fiber by white-light interferometry. <i>Applied Optics</i> , <b>2002</b> , 41, 4467-70	1.7	32
109	Rapid volumetric imaging with Bessel-Beam three-photon microscopy. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 1992-2000	3.5	31

108	Three-photon excited fluorescence imaging of unstained tissue using a GRIN lens endoscope. <i>Biomedical Optics Express</i> , <b>2013</b> , 4, 652-8	3.5	31
107	Wavelength-tunable high-energy soliton pulse generation from a large-mode-area fiber pumped by a time-lens source. <i>Optics Letters</i> , <b>2011</b> , 36, 942-4	3	31
106	Identification of spermatogenesis with multiphoton microscopy: an evaluation in a rodent model. <i>Journal of Urology</i> , <b>2011</b> , 186, 2487-92	2.5	31
105	Multifocal multiphoton endoscope. <i>Optics Letters</i> , <b>2012</b> , 37, 1349-51	3	31
104	Hyper-Rayleigh and hyper-Raman scattering background of liquid water in two-photon excited fluorescence detection. <i>Analytical Chemistry</i> , <b>1997</b> , 69, 1285-7	7.8	31
103	Quantitative analysis of 1300-nm three-photon calcium imaging in the mouse brain. <i>ELife</i> , <b>2020</b> , 9,	8.9	31
102	Dispersion compensation in three-photon fluorescence microscopy at 1,700 nm. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 1392-7	3.5	30
101	Large tunable delays using parametric mixing and phase conjugation in Si nanowaveguides. <i>Optics Express</i> , <b>2008</b> , 16, 10349-57	3.3	30
100	The effects of randomly occurring nonuniformities on propagation in photonic crystal fibers. <i>Optics Express</i> , <b>2005</b> , 13, 2799-807	3.3	29
99	Multicolor three-photon fluorescence imaging with single-wavelength excitation deep in mouse brain. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	29
98	Intermodal four-wave mixing in a higher-order-mode fiber. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 161106	3.4	28
97	1 micros tunable delay using parametric mixing and optical phase conjugation in Si waveguides. <i>Optics Express</i> , <b>2009</b> , 17, 7004-10	3.3	28
96	Ultrafast optical delay line by use of a time-prism pair. <i>Optics Letters</i> , <b>2005</b> , 30, 99-101	3	28
95	Multiphoton Excitation of Molecular Fluorophores and Nonlinear Laser Microscopy <b>2002</b> , 471-540		28
94	Comparison of one- and two-photon optical beam-induced current imaging. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 2226-2231	2.5	28
93	Microscopic sensors using optical wireless integrated circuits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 9173-9179	11.5	26
92	Femtosecond laser bone ablation with a high repetition rate fiber laser source. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 32-42	3.5	25
91	Multiphoton tomographic imaging: a potential optical biopsy tool for detecting gastrointestinal inflammation and neoplasia. <i>Cancer Prevention Research</i> , <b>2012</b> , 5, 1280-90	3.2	25

90	High speed multiphoton axial scanning through an optical fiber in a remotely scanned temporal focusing setup. <i>Biomedical Optics Express</i> , <b>2010</b> , 2, 80-8	3-5	24
89	Investigation of the long wavelength limit of soliton self-frequency shift in a silica fiber. <i>Optics Express</i> , <b>2018</b> , 26, 19637-19647	3-3	23
88	Ultralong continuously tunable parametric delays via a cascading discrete stage. <i>Optics Express</i> , <b>2010</b> , 18, 333-9	3-3	22
87	Higher-order-mode fiber optimized for energetic soliton propagation. <i>Optics Letters</i> , <b>2012</b> , 37, 3459-61	3	22
86	Ultrafast optical delay line using soliton propagation between a time-prism pair. <i>Optics Express</i> , <b>2005</b> , 13, 1138-43	3-3	22
85	label-free confocal imaging of the deep mouse brain with long-wavelength illumination. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 6545-6555	3-5	21
84	Use of a lensed fiber for a large-field-of-view, high-resolution, fiber-scanning microendoscope. <i>Optics Letters</i> , <b>2012</b> , 37, 881-3	3	20
83	Generation of femtosecond pulses at 1350 nm by Cerenkov radiation in higher-order-mode fiber. <i>Optics Letters</i> , <b>2007</b> , 32, 1053-5	3	20
82	Compensation of self-phase modulation in fiber-based chirped-pulse amplification systems. <i>Optics Letters</i> , <b>2006</b> , 31, 1756-8	3	19
81	Intermodal Cerenkov radiation in a higher-order-mode fiber. <i>Optics Letters</i> , <b>2012</b> , 37, 4410-2	3	18
80	Wavefront sensorless adaptive optics temporal focusing-based multiphoton microscopy. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 1768-77	3-5	17
79	Impact of the emission wavelengths on multiphoton imaging of mouse brains. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 1905-1918	3-5	17
78	Dual modality endomicroscope with optical zoom capability. <i>Biomedical Optics Express</i> , <b>2013</b> , 4, 1494-503	3,5	16
77	Fiber-delivered picosecond source for coherent Raman scattering imaging. <i>Optics Letters</i> , <b>2011</b> , 36, 4233-5	3,5	16
76	Tunable dispersion compensation by a rotating cylindrical lens. <i>Optics Letters</i> , <b>2009</b> , 34, 1195-7	3	15
75	Generation of high repetition rate femtosecond pulses from a CW laser by a time-lens loop. <i>Optics Express</i> , <b>2009</b> , 17, 6584-90	3-3	15
74	Analysis of soliton collisions in a wavelength-division- multiplexed dispersion-managed soliton transmission system. <i>Optics Letters</i> , <b>2002</b> , 27, 1303-5	3	15
73	Two-photon fluorescence imaging of intracellular hydrogen peroxide with chemoselective fluorescent probes. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 106002	3-5	14

72	Enhanced axial confinement of sum-frequency generation in a temporal focusing setup. <i>Optics Letters</i> , <b>2009</b> , 34, 1786-8	3	14
71	Independent core propagation in two-core photonic crystal fibers resulting from structural nonuniformities. <i>Optics Express</i> , <b>2005</b> , 13, 10336-48	3.3	14
70	Multiphoton excitation of fluorescent probes. <i>Cold Spring Harbor Protocols</i> , <b>2015</b> , 2015, 250-8	1.2	13
69	Miniature varifocal objective lens for endomicroscopy. <i>Optics Letters</i> , <b>2013</b> , 38, 3103-6	3	13
68	Time-lens based hyperspectral stimulated Raman scattering imaging and quantitative spectral analysis. <i>Journal of Biophotonics</i> , <b>2013</b> , 6, 815-20	3.1	13
67	Fiber-array-based detection scheme for single-shot pulse contrast characterization. <i>Optics Letters</i> , <b>2008</b> , 33, 1969-71	3	13
66	Correcting the limited view in optical-resolution photoacoustic microscopy. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700196	3.1	12
65	Multiphoton gradient index endoscopy for evaluation of diseased human prostatic tissue ex vivo. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 116011	3.5	12
64	The Role of Systematic and Targeted Biopsies in Light of Overlap on Magnetic Resonance Imaging Ultrasound Fusion Biopsy. <i>European Urology Oncology</i> , <b>2018</b> , 1, 263-267	6.7	11
63	In Vivo Three-photon Calcium Imaging of Brain Activity from Layer 6 Neurons in Mouse Brain <b>2014</b> ,		10
62	High sensitivity third-order autocorrelation measurement by intensity modulation and third harmonic detection. <i>Optics Letters</i> , <b>2011</b> , 36, 2372-4	3	10
61	Fabrication of Injectable Micro-Scale Opto-Electronically Transduced Electrodes (MOTEs) for Physiological Monitoring. <i>Journal of Microelectromechanical Systems</i> , <b>2020</b> , 29, 720-726	2.5	10
60	Nonresonant background suppression for coherent anti-Stokes Raman scattering microscopy using a multi-wavelength time-lens source. <i>Optics Express</i> , <b>2016</b> , 24, 26687-26695	3.3	10
59	Endoscope lens with dual fields of view and resolutions for multiphoton imaging. <i>Optics Letters</i> , <b>2010</b> , 35, 2735-7	3	9
58	Nonlinear distortion free fiber-based chirped pulse amplification with self-phase modulation up to 2pi. <i>Optics Express</i> , <b>2007</b> , 15, 2530-4	3.3	9
57	GCaMP6 B/F dependence on the excitation wavelength in 3-photon and 2-photon microscopy of mouse brain activity. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 3343-3352	3.5	9
56	Generation of Cerenkov radiation at 850 nm in higher-order-mode fiber. <i>Optics Express</i> , <b>2011</b> , 19, 8774-803	3.3	8
55	Short-Wave Infrared Confocal Fluorescence Imaging of Deep Mouse Brain with a Superconducting Nanowire Single-Photon Detector. <i>ACS Photonics</i> , <b>2021</b> , 8, 2800-2810	6.3	7

54	Multiphoton imaging provides a superior optical biopsy to that of confocal laser endomicroscopy imaging for colorectal lesions. <i>Endoscopy</i> , <b>2019</b> , 51, 174-178	3.4	6
53	Transverse Field Dispersion in the Generalized Nonlinear Schrödinger Equation: Four Wave Mixing in a Higher Order Mode Fiber. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 3425-3431	4	6
52	Real-time in vivo optical biopsy using confocal laser endomicroscopy to evaluate distal margin in situ and determine surgical procedure in low rectal cancer. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2019</b> , 33, 2332-2338	5.2	6
51	Two-photon Shack-Hartmann wavefront sensor. <i>Optics Letters</i> , <b>2017</b> , 42, 1141-1144	3	5
50	Direct visualization of functional heterogeneity in hepatobiliary metabolism using 6-CFDA as model compound. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 3574-3584	3.5	5
49	Multiphoton microscopy to identify and characterize the transition zone in a mouse model of Hirschsprung disease. <i>Journal of Pediatric Surgery</i> , <b>2013</b> , 48, 1288-93	2.6	4
48	<b>2013</b> ,		4
47	Two-photon photocurrent imaging of vertical cavity surface emitting lasers. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 1510-1512	3.4	4
46	GHz Ultrasonic Chip-Scale Device Induces Ion Channel Stimulation in Human Neural Cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 3075	4.9	3
45	Fiber delivered two-color picosecond source through nonlinear spectral transformation for coherent Raman scattering imaging. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 71106-711063	3.4	3
44	Background Reduction with Two-Color Two-Beam Multiphoton Excitation <b>2008</b> ,		3
43	Multi-color background-free coherent anti-Stokes Raman scattering microscopy using a time-lens source. <i>Optics Express</i> , <b>2018</b> , 26, 34474-34483	3.3	3
42	Imaging deeper than the transport mean free path with multiphoton microscopy.. <i>Biomedical Optics Express</i> , <b>2022</b> , 13, 452-463	3.5	3
41	Nonlinear adaptive optics: aberration correction in three photon fluorescence microscopy for mouse brain imaging <b>2017</b> ,		2
40	Quantitative Comparison of Two-photon and Three-photon Activity Imaging of GCaMP6s-labeled Neurons in vivo in the Mouse Brain <b>2017</b> ,		2
39	Multiple Regions of Interest on Multiparametric Magnetic Resonance Imaging are Not Associated with Increased Detection of Clinically Significant Prostate Cancer on Fusion Biopsy. <i>Journal of Urology</i> , <b>2018</b> , 200, 559-563	2.5	2
38	Introduction to the bio-optics: design and application. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 4899-900	3.5	2
37	Miniaturized fiber raster scanner for endoscopy <b>2011</b> ,		2



36	All-fiber, versatile picosecond time-lens light source and its application to Cerenkov radiation generation in higher order mode fiber <b>2010</b> ,		2
35	Dual Modality Microendoscope with Optical Zoom Capability <b>2012</b> ,		2
34	Multiphoton Modulation Microscopy for High-Speed Deep Biological Imaging <b>2010</b> ,		2
33	Adaptive Optics in Three-Photon Fluorescence Microscopy <b>2015</b> ,		2
32	Shot noise limits on binary detection in multiphoton imaging. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 7033-7048		2
31	Simultaneous Two- and Three-photon Imaging of Multilayer Neural Activities with Remote Focusing <b>2019</b> ,		2
30	Whole Brain Optical Access in Adult Vertebrates: Two- and Three-Photon Imaging in a Miniature Fish, <i>Danio rerio</i> <b>2020</b> ,		2
29	Multiphoton imaging of neural structure and activity in <i>Drosophila</i> through the intact cuticle		2
28	Spatially resolved measurements of ballistic and total transmission in microscale tissue samples from 450 nm to 1624 nm.. <i>Biomedical Optics Express</i> , <b>2022</b> , 13, 438-451	3.5	2
27	Characterization and adaptive compression of a multi-soliton laser source. <i>Optics Express</i> , <b>2017</b> , 25, 320-329	3.9	1
26	Multi-color femtosecond source for simultaneous excitation of multiple fluorescent proteins in two-photon fluorescence microscopy <b>2013</b> ,		1
25	Spectroscopic SRS imaging with a time-lens source synchronized to a femtosecond pulse shaper <b>2013</b> ,		1
24	In vivo deep tissue imaging with long wavelength multiphoton excitation <b>2010</b> ,		1
23	All fiber 1064-nm time-lens source for coherent anti-Stokes Raman scattering and stimulated Raman scattering microscopy <b>2011</b> ,		1
22	Instrumentation for exact packet timings in networks <b>2011</b> ,		1
21	Fiber delivered two-color picosecond source for coherent Raman scattering imaging <b>2012</b> ,		1
20	1 $\mu$ s tunable delay using parametric mixing and optical phase conjugation in Si waveguides: reply. <i>Optics Express</i> , <b>2009</b> , 17, 16029	3.3	1
19	Label-free Map of Adult <i>Danio rerio</i> Brain for in vivo Navigation Using Third Harmonic Generation Microscopy <b>2021</b> ,		1

18	Whole-brain optical access in small adult vertebrates with two- and three-photon microscopy		1
17	Multiphoton imaging of neural structure and activity in through the intact cuticle.. <i>ELife</i> , <b>2022</b> , 11,	8.9	1
16	In vivo two-photon imaging of cortical vasculature in mice to 1.5-mm depth with 1280-nm excitation <b>2011</b> ,		1
15	Tunable megawatt soliton pulse generation covering the optimum wavelength window for tissue penetration <b>2013</b> ,		1
14	In Vivo Deep Penetration Three-Photon Imaging of Mouse Brain through an Unthinned, Intact Skull <b>2013</b> ,		1
13	Intravital Multiphoton Endoscopy <b>2014</b> , 305-370		1
12	Three-Photon Fluorescence Adaptive Optics for In-Vivo Mouse Brain Imaging <b>2016</b> ,		1
11	A Miniature Endomicroscope with Optical Zoom Capability <b>2013</b> ,		1
10	Closed-loop wavefront sensing and correction in the mouse brain with computed optical coherence microscopy. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 4934-4954	3.5	0
9	Neurophotonic tools for microscopic measurements and manipulation: status report.. <i>Neurophotonics</i> , <b>2022</b> , 9, 013001	3.9	0
8	Experimental Demonstration of Soliton Cascade in Higher-Order-Mode Fibers. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 301-304	2.2	
7	In vivo Three Photon Imaging of Neuronal Activities from Hippocampus in Intact Mouse Brain. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 1721-1722	0.5	
6	Higher-order-mode fiber optimized for energetic soliton propagation: erratum. <i>Optics Letters</i> , <b>2013</b> , 38, 3185	3	
5	Application of telecom technologies to optical instrumentation <b>2006</b> , 6388, 203		
4	Multiphoton fluorescence excitation: new spectral windows for biological imaging <b>1996</b> , 2819, 274		
3	Synchronized time-lens source for coherent Raman scattering microscopy <b>2022</b> , 257-271		
2	Joint Optimization of Hadamard Sensing and Reconstruction in Compressed Sensing Fluorescence Microscopy. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 129-139	0.9	
1	Dynamic visualization of the recovery of mouse hepatobiliary metabolism to acetaminophen-overdose damage. <i>Journal of Biophotonics</i> , <b>2019</b> , 12, e201800296	3.1	

