Wang JiaQi

List of Publications by Year
in descending order

58 papers	2,766 citations	361413 20 h-index	182427 51 g-index
58 all docs	58 docs citations	58 times ranked	3329 citing authors

#	Article	IF	Citations
1	In vivo three-photon microscopy of subcortical structures within an intact mouse brain. Nature Photonics, 2013, 7, 205-209.	31.4	1,225
2	Black Phosphorus Based All-Optical-Signal-Processing: Toward High Performances and Enhanced Stability. ACS Photonics, 2017, 4, 1466-1476.	6.6	173
3	Measurements of multiphoton action cross sections for multiphoton microscopy. Biomedical Optics Express, 2014, 5, 3427.	2.9	132
4	Fewâ€Layer Phosphoreneâ€Decorated Microfiber for Allâ€Optical Thresholding and Optical Modulation. Advanced Optical Materials, 2017, 5, 1700026.	7.3	125
5	Fluorescence Signal Generation Optimization by Optimal Filling of the High Numerical Aperture Objective Lens for High-Order Deep-Tissue Multiphoton Fluorescence Microscopy. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	119
6	Nonlinear Fewâ€Layer Antimoneneâ€Based Allâ€Optical Signal Processing: Ultrafast Optical Switching and Highâ€Speed Wavelength Conversion. Advanced Optical Materials, 2018, 6, 1701287.	7.3	97
7	Nonlinear Fewâ€Layer MXeneâ€Assisted Allâ€Optical Wavelength Conversion at Telecommunication Band. Advanced Optical Materials, 2019, 7, 1801777.	7.3	86
8	Tunable high-energy soliton pulse generation from a large-mode-area fiber and its application to third harmonic generation microscopy. Applied Physics Letters, 2011, 99, .	3.3	82
9	Advanced Fiber Soliton Sources for Nonlinear Deep Tissue Imaging in Biophotonics. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 50-60.	2.9	70
10	In Vivo Deep-Brain Structural and Hemodynamic Multiphoton Microscopy Enabled by Quantum Dots. Nano Letters, 2019, 19, 5260-5265.	9.1	68
11	Three-color femtosecond source for simultaneous excitation of three fluorescent proteins in two-photon fluorescence microscopy. Biomedical Optics Express, 2012, 3, 1972.	2.9	67
12	Synchronized time-lens source for coherent Raman scattering microscopy. Optics Express, 2010, 18, 24019.	3.4	48
13	Binary Organic Nanoparticles with Bright Aggregation-Induced Emission for Three-Photon Brain Vascular Imaging. Chemistry of Materials, 2020, 32, 6437-6443.	6.7	41
14	Deep-Brain Three-Photon Imaging Enabled by Aggregation-Induced Emission Luminogens with Near-Infrared-III Excitation. ACS Nano, 2022, 16, 6712-6724.	14.6	40
15	Wavelength-tunable high-energy soliton pulse generation from a large-mode-area fiber pumped by a time-lens source. Optics Letters, 2011, 36, 942.	3.3	39
16	Deep-brain 2-photon fluorescence microscopy in vivo excited at the 1700â€‰â€‰nm window. Optics Letters, 2019, 44, 4432.	3.3	32
17	Black phosphorus quantum dot based all-optical signal processing: ultrafast optical switching and wavelength converting. Nanotechnology, 2019, 30, 415202.	2.6	30
18	Coherent Raman Scattering Unravelling Mechanisms Underlying Skull Optical Clearing for Through-Skull Brain Imaging. Analytical Chemistry, 2019, 91, 9371-9375.	6.5	29

#	ARTICLE	IF	CITATIONS
19	Higher-order-mode fiber optimized for energetic soliton propagation. Optics Letters, 2012, 37, 3459.	3.3	27
20	Visualizing astrocytes in the deep mouse brain in vivo. Journal of Biophotonics, 2019, 12, e201800420.	2.3	21
21	Fiber-delivered picosecond source for coherent Raman scattering imaging. Optics Letters, 2011, 36, 4233.	3.3	20
22	Comparison of higherâ€order multiphoton signal generation and collection at the 1700â€nm window based on transmittance measurement of objective lenses. Journal of Biophotonics, 2018, 11, e201700121.	2.3	19
23	Timeâ€lens based hyperspectral stimulated Raman scattering imaging and quantitative spectral analysis. Journal of Biophotonics, 2013, 6, 815-820.	2.3	18
24	Manipulating Soliton Polarization in Soliton Self-Frequency Shift and Its Application to 3-Photon Microscopy in Vivo. Journal of Lightwave Technology, 2020, 38, 2450-2455.	4.6	13
25	Ex and in vivo characterization of the wavelengthâ€dependent 3â€photon action crossâ€sections of red fluorescent proteins covering the 1700â€nm window. Journal of Biophotonics, 2018, 11, e201700351.	2.3	12
26	In vivo deep-brain blood flow speed measurement through third-harmonic generation imaging excited at the 1700-nm window. Biomedical Optics Express, 2020, 11, 2738.	2.9	12
27	Comparison of Signal Detection of GaAsP and GaAs PMTs for Multiphoton Microscopy at the 1700-nm window. IEEE Photonics Journal, 2016, 8, 1-6.	2.0	10
28	Polarization multiplexing in large-mode-area waveguides and its application to signal enhancement in multiphoton microscopy. Applied Physics Letters, 2017, 110, .	3.3	10
29	Photophysical Properties of Water-Soluble CdTe/CdSe/ZnS Core/Shell/Shell Nanocrystals Emitting at 820 nm. Journal of Physical Chemistry C, 2020, 124, 7994-7999.	3.1	8
30	Visualizing the â€œsandwichâ€• structure of osteocytes in their native environment deep in bone in vivo. Journal of Biophotonics, 2019, 12, e201800360.	2.3	7
31	In Vivo Three-Photon Microscopy of Mouse Brain Excited at the 2200 nm Window. ACS Photonics, 2021, 8, 2898-2903.	6.6	7
32	Optimal compression in synchronised timeâ€lens source for CRS imaging. Electronics Letters, 2014, 50, 148-149.	1.0	6
33	3â€photon fluorescence imaging of sulforhodamine Bâ€labeled elastic fibers in the mouse skin in vivo. Journal of Biophotonics, 2019, 12, e201900185.	2.3	6
34	Timing jitter in synchronized time-lens source for coherent Raman scattering imaging. Optics Express, 2015, 23, 18786.	3.4	5
35	Deepâ€brain threeâ€photon microscopy excited at 1600â€‰nm with silicone oil immersion. Journal of Biophotonics, 2019, 12, e201800423.	2.3	5
36	Measurement of twoâ€photon properties of indocyanine green in water and human plasma excited at the 1700â€nm window. Journal of Biophotonics, 2020, 13, e202000299.	2.3	5

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37	Elliptically-Polarized Soliton Self-Frequency Shift in Isotropic Optical Fiber. Journal of Lightwave Technology, 2021, 39, 1334-1339.	4.6	5
38	3-photon fluorescence and third-harmonic generation imaging of myelin sheaths in mouse digital skin <i>in vivo</i>: A comparative study. Journal of Innovative Optical Health Sciences, 2022, 15, .	1.0	5
39	Fiber delivered two-color picosecond source through nonlinear spectral transformation for coherent Raman scattering imaging. Applied Physics Letters, 2012, 100, 071106.	3.3	4
40	Contributed Review: A new synchronized source solution for coherent Raman scattering microscopy. Review of Scientific Instruments, 2016, 87, 071501.	1.3	4
41	Selfâ€referenced axial chromatic dispersion measurement in multiphoton microscopy through 2â€color thirdâ€harmonic generation imaging. Journal of Biophotonics, 2018, 11, e201800071.	2.3	4
42	3â€photon microscopy of myelin in mouse digital skin excited at the 1700â€nm window. Journal of Biophotonics, 2020, 13, e202000321.	2.3	4
43	High-energy polarized soliton synthesis and its application to deep-brain 3-photon microscopy in vivo. Optics Express, 2019, 27, 15309.	3.4	4
44	Nonquadratic Spectral Phase Aberration With Quadratic Temporal Phase Modulation in an Actively Modulated Ultrafast Laser System. IEEE Journal of Quantum Electronics, 2014, 50, 639-644.	1.9	3
45	Sealing of Immersion Deuterium Dioxide and Its Application to Signal Maintenance for Ex-Vivo and In-Vivo Multiphoton Microscopy Excited at the 1700-nm Window. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	3
46	Wavelength Separation Tunable 2-Color Soliton Generation and Its Application to 2-Color Fluorescence Multiphoton Microscopy. Journal of Lightwave Technology, 2018, 36, 3249-3253.	4.6	3
47	Refractive index and pulse broadening characterization using oil immersion and its influence on threeâ€photon microscopy excited at the 1700â€nm window. Journal of Biophotonics, 2019, 12, e201800263.	2.3	3
48	Optimal spectral filtering in soliton self-frequency shift for deep-tissue multiphoton microscopy. Journal of Biomedical Optics, 2015, 20, 055003.	2.6	2
49	Airâ€core fiber or photonicâ€crystal rod, which is more suitable for energetic femtosecond pulse generation and threeâ€photon microscopy at the 1700â€nm window?. Journal of Biophotonics, 2019, 12, e201900069.	2.3	2
50	Deep-skin multiphoton microscopy of lymphatic vessels excited at the 1700-nm window in vivo. Biomedical Optics Express, 2021, 12, 6474.	2.9	2
51	Optical Modulation: Fewâ€Layer Phosphoreneâ€Decorated Microfiber for Allâ€Optical Thresholding and Optical Modulation (Advanced Optical Materials 9/2017). Advanced Optical Materials, 2017, 5, .	7.3	1
52	Transmittance Characterization of Objective Lenses Covering all Four Near Infrared Optical Windows and its Application to Three-Photon Microscopy Excited at 1820 nm. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	1
53	Selfâ€phaseâ€modulated femtosecond laser source at 1603â€‰nm and its application to deepâ€brain <scp>3â€photon</scp> microscopy in vivo. Journal of Biophotonics, 2021, 14, e202000349.	2.3	1
54	Numerical Analysis of a Pyro-breaker Utilized in Superconducting Fusion Facility. , 2021, , .		1

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55	Experimental Demonstration of Soliton Cascade in Higher-Order-Mode Fibers. IEEE Photonics Technology Letters, 2014, 26, 301-304.	2.5	0
56	Soliton self-frequency shift and its application to multiphoton microscopy. , 2015, , .		0
57	Synchronization Maintenance of Synchronized Time-Lens Source in the Presence of Repetition Rate Drift of the Mode-Locked Laser for Coherent Raman Scattering Microscopy. IEEE Journal of Quantum Electronics, 2017, 53, 1-5.	1.9	0
58	Deepâ€skin multiphoton microscopy in vivo excited at 1600â€‰nm: A comparative investigation with silicone oil and deuterium dioxide immersion. Journal of Biophotonics, 2021, 14, e202100076.	2.3	0