

Ping Qiu

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

463
citations

933447

10
h-index

752698

20
g-index

41
all docs

41
docs citations

41
times ranked

429
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	In Vivo Deep-Brain Structural and Hemodynamic Multiphoton Microscopy Enabled by Quantum Dots. Nano Letters, 2019, 19, 5260-5265.	9.1	68
3	Deep-brain 2-photon fluorescence microscopy in vivo excited at the 1700-nm window. Optics Letters, 2019, 44, 4432.	3.3	32
4	Measurement of absorption spectrum of deuterium oxide (D ₂ O) and its application to signal enhancement in multiphoton microscopy at the 1700-nm window. Applied Physics Letters, 2016, 108, .	3.3	25
5	Order-of-magnitude multiphoton signal enhancement based on characterization of absorption spectra of immersion oils at the 1700-nm window. Optics Express, 2017, 25, 5909.	3.4	23
6	Visualizing astrocytes in the deep mouse brain in vivo. Journal of Biophotonics, 2019, 12, e201800420.	2.3	21
7	Comparison of higher-order multiphoton signal generation and collection at the 1700-nm window based on transmittance measurement of objective lenses. Journal of Biophotonics, 2018, 11, e201700121.	2.3	19
8	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
9	Ex and in vivo characterization of the wavelength-dependent 3-photon action cross-sections of red fluorescent proteins covering the 1700-nm window. Journal of Biophotonics, 2018, 11, e201700351.	2.3	12
10	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
11	Wavelength-separation-tunable two-color-soliton-pulse generation through prechirping. Physical Review A, 2014, 90, .	2.5	11
12	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
13	Polarization multiplexing in large-mode-area waveguides and its application to signal enhancement in multiphoton microscopy. Applied Physics Letters, 2017, 110, .	3.3	10
14	Visualizing the "sandwich" structure of osteocytes in their native environment deep in bone in vivo. Journal of Biophotonics, 2019, 12, e201800360.	2.3	7
15	In Vivo Three-Photon Microscopy of Mouse Brain Excited at the 2200 nm Window. ACS Photonics, 2021, 8, 2898-2903.	6.6	7
16	Optimal compression in synchronised time-lens source for CRS imaging. Electronics Letters, 2014, 50, 148-149.	1.0	6
17	3-photon fluorescence imaging of sulforhodamine B-labeled elastic fibers in the mouse skin in vivo. Journal of Biophotonics, 2019, 12, e201900185.	2.3	6
18	Deep-brain three-photon microscopy excited at 1600-nm with silicone oil immersion. Journal of Biophotonics, 2019, 12, e201800423.	2.3	5

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19	Measurement of two-photon properties of indocyanine green in water and human plasma excited at the 1700-nm window. <i>Journal of Biophotonics</i> , 2020, 13, e202000299.	2.3	5
20	Elliptically-Polarized Soliton Self-Frequency Shift in Isotropic Optical Fiber. <i>Journal of Lightwave Technology</i> , 2021, 39, 1334-1339.	4.6	5
21	3-photon fluorescence and third-harmonic generation imaging of myelin sheaths in mouse digital skin <i>in vivo</i> : A comparative study. <i>Journal of Innovative Optical Health Sciences</i> , 2022, 15, .	1.0	5
22	Contributed Review: A new synchronized source solution for coherent Raman scattering microscopy. <i>Review of Scientific Instruments</i> , 2016, 87, 071501.	1.3	4
23	Self-referenced axial chromatic dispersion measurement in multiphoton microscopy through 2-color third-harmonic generation imaging. <i>Journal of Biophotonics</i> , 2018, 11, e201800071.	2.3	4
24	3-photon microscopy of myelin in mouse digital skin excited at the 1700-nm window. <i>Journal of Biophotonics</i> , 2020, 13, e202000321.	2.3	4
25	High-energy polarized soliton synthesis and its application to deep-brain 3-photon microscopy <i>in vivo</i> . <i>Optics Express</i> , 2019, 27, 15309.	3.4	4
26	Nonquadratic Spectral Phase Aberration With Quadratic Temporal Phase Modulation in an Actively Modulated Ultrafast Laser System. <i>IEEE Journal of Quantum Electronics</i> , 2014, 50, 639-644.	1.9	3
27	Estimation of temperature rise at the focus of objective lens at the 1700 nm window. <i>Journal of Innovative Optical Health Sciences</i> , 2017, 10, 1650048.	1.0	3
28	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. <i>IEEE Photonics Journal</i> , 2017, 9, 1-8.	2.0	3
29	Wavelength Separation Tunable 2-Color Soliton Generation and Its Application to 2-Color Fluorescence Multiphoton Microscopy. <i>Journal of Lightwave Technology</i> , 2018, 36, 3249-3253.	4.6	3
30	Refractive index and pulse broadening characterization using oil immersion and its influence on three-photon microscopy excited at the 1700-nm window. <i>Journal of Biophotonics</i> , 2019, 12, e201800263.	2.3	3
31	Optimal spectral filtering in soliton self-frequency shift for deep-tissue multiphoton microscopy. <i>Journal of Biomedical Optics</i> , 2015, 20, 055003.	2.6	2
32	Photodetection-induced relative timing jitter in synchronized time-lens source for coherent Raman scattering microscopy. <i>Journal of Innovative Optical Health Sciences</i> , 2017, 10, 1743003.	1.0	2
33	Air-core fiber or photonic crystal rod, which is more suitable for energetic femtosecond pulse generation and three-photon microscopy at the 1700-nm window?. <i>Journal of Biophotonics</i> , 2019, 12, e201900069.	2.3	2
34	Deep-skin multiphoton microscopy of lymphatic vessels excited at the 1700-nm window <i>in vivo</i> . <i>Biomedical Optics Express</i> , 2021, 12, 6474.	2.9	2
35	Transmittance Characterization of Objective Lenses Covering all Four Near Infrared Optical Windows and its Application to Three-Photon Microscopy Excited at 1820 nm. <i>IEEE Photonics Journal</i> , 2018, 10, 1-7.	2.0	1
36	Degradation of multiphoton signal and resolution when focusing through a planar interface with index mismatch: Analytical approximation and numerical investigation. <i>Journal of Innovative Optical Health Sciences</i> , 2018, 11, .	1.0	1

#	ARTICLE	IF	CITATIONS
37	Self-phase-modulated femtosecond laser source at 1603 nm and its application to deep-brain 3-photon microscopy in vivo. Journal of Biophotonics, 2021, 14, e202000349.	2.3	1
38	Soliton self-frequency shift and its application to multiphoton microscopy. , 2015, , .		0
39	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
40	Clean optical solitons generation at the 1700 nm window in a short photonic-crystal rod. Journal of Optics (United Kingdom), 2019, 21, 035502.	2.2	0
41	Deep-skin multiphoton microscopy in vivo excited at 1600 nm: A comparative investigation with silicone oil and deuterium dioxide immersion. Journal of Biophotonics, 2021, 14, e202100076.	2.3	0