Aimin Wang

List of Publications by Year
in descending order

34 papers	909 citations	623734 14 h-index	552781 26 g-index
35 all docs	35 docs citations	35 times ranked	1120 citing authors

#	Article	IF	Citations
1	MouseVenue3D: A Markerless Three-Dimension Behavioral Tracking System for Matching Two-Photon Brain Imaging in Free-Moving Mice. Neuroscience Bulletin, 2022, 38, 303-317.	2.9	7
2	Miniature two-photon microscopy for enlarged field-of-view, multi-plane and long-term brain imaging. Nature Methods, 2021, 18, 46-49.	19.0	112
3	Two-Photon Fluorescence Imaging. Advances in Experimental Medicine and Biology, 2021, 3233, 45-61.	1.6	1
4	Femtosecond all-polarization-maintaining Nd fiber laser at 920â€…nm mode locked by a biased NALM. Optics Express, 2021, 29, 38199.	3.4	8
5	Forward-detection Fiber Scanning Endomicroscopy for Two-photon Fluorescence. , 2021, , .		0
6	Spiral scanning fiber-optic two-photon endomicroscopy with a double-cladding antiresonant fiber. Optics Express, 2021, 29, 43124.	3.4	9
7	Femtosecond Nd:fiber laser at 920nm mode-locked by biased NALM. , 2020, , .		0
8	Visible astro-comb filtered by a passively stabilized Fabry-Perot cavity. Review of Scientific Instruments, 2019, 90, 013102.	1.3	5
9	In vivo imaging of Î²-cell function reveals glucose-mediated heterogeneity of Î²-cell functional development. ELife, 2019, 8, .	6.0	20
10	Rapid volumetric imaging with Bessel-Beam three-photon microscopy. Biomedical Optics Express, 2018, 9, 1992.	2.9	58
11	Fiber-Based High-Energy Femtosecond Pulses Tunable From 920 to 1030 nm for Two-Photon Microscopy. IEEE Photonics Technology Letters, 2018, 30, 1479-1482.	2.5	3
12	Fast high-resolution miniature two-photon microscopy for brain imaging in freely behaving mice. Nature Methods, 2017, 14, 713-719.	19.0	382
13	Modeâ€locked femtosecond 910Ânm Nd:fibre laser with phase biased nonâ€linear loop mirror. Electronics Letters, 2017, 53, 1479-1481.	1.0	8
14	Robust hollow-fiber-pigtailed 930 nm femtosecond Nd:fiber laser for volumetric two-photon imaging. Optics Express, 2017, 25, 22704.	3.4	17
15	All PM Fiber Laser Mode Locked With a Compact Phase Biased Amplifier Loop Mirror. IEEE Photonics Technology Letters, 2016, 28, 1786-1789.	2.5	73
16	Three-Color Two-Photon Three-Axis Digital Scanned Light-Sheet Microscopy (3c2p3a-DSLM). Microscopy and Microanalysis, 2015, 21, 719-720.	0.4	0
17	Greenâ€lightâ€enhanced superâ€continuum generation in tapered photonic crystal fibre for efficient f ceo detection of Yb:fibre laser frequency combs. Electronics Letters, 2014, 50, 1859-1860.	1.0	0
18	500â€‰â€‰MHz spaced Yb:fiber laser frequency comb without amplifiers. Optics Letters, 2014, 39, 2534.	3.3	19

#	Article	IF	Citations
19	Tapered photonic crystal fiber for simplified Yb:fiber laser frequency comb with low pulse energy and robust f_ceo singals. Optics Express, 2014, 22, 1835.	3.4	14
20	Advances in compact high repetition rate Yb:Fiber laser frequency combs. , 2013, , .		0
21	750ÂMHz fundamental repetition rate femtosecond Yb:fiber ring laser. Optics Letters, 2013, 38, 314.	3.3	33
22	Octave-spanning spectrum of femtosecond Yb:fiber ring laser at 528 MHz repetition rate in microstructured tellurite fiber. Optics Express, 2013, 21, 4703.	3.4	15
23	Octave-spanning spectrum generation in tapered silica photonic crystal fiber by Yb:fiber ring laser above 500ÂMHz. Optics Letters, 2013, 38, 443.	3.3	13
24	Characterization of the carrier envelope offset frequency from a 490 MHz Yb-fiber-ring laser. Optics Express, 2012, 20, 16017.	3.4	16
25	Visible Supercontinuum Generation With Sub-Nanosecond 532-nm Pulses in All-Solid Photonic Bandgap Fiber. IEEE Photonics Technology Letters, 2012, 24, 143-145.	2.5	24
26	Sub-30-fs Pulse Generation From Dispersion-Managed Yb:Fiber Ring Laser Incorporating Solid-Core Photonic Bandgap Fiber. IEEE Photonics Technology Letters, 2012, 24, 500-502.	2.5	11
27	Understanding All-Solid Honeycomb Photonic Bandgap Fibers. IEEE Photonics Technology Letters, 2012, 24, 915-917.	2.5	0
28	330MHz, sub 50fs Yb: Fiber ring laser. Optics Communications, 2012, 285, 2430-2432.	2.1	4
29	MHz spaced optical frequency comb based on an Yb-fiber-ring laser. , 2012, , .		0
30	Octave-spanning spectrum generation with a 503MHz repetition rate femtosecond Yb:fiber ring laser. , 2012, , .		0
31	High Stability Er-Doped Superfluorescent Fiber Source Improved by Incorporating Bandpass Filter. IEEE Photonics Technology Letters, 2011, 23, 227-229.	2.5	29
32	503MHz repetition rate femtosecond Yb:fiber ring laser with an integrated WDM collimator. Optics Express, 2011, 19, 25412.	3.4	22
33	Broken-Ring-Based All-Solid Photonic Bandgap Fibers. Journal of Lightwave Technology, 2010, , .	4.6	1
34	High-stability Er-doped superfluorescent fiber source incorporating photonic bandgap fiber. , 2010, , .		0