

Yong Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,256
citations

394421

19
h-index

477307

29
g-index

40
all docs

40
docs citations

40
times ranked

1331
citing authors

#	ARTICLE	IF	CITATIONS
1	Tutorial on photoacoustic tomography. <i>Journal of Biomedical Optics</i> , 2016, 21, 061007.	2.6	287
2	Near-infrared optical-resolution photoacoustic microscopy. <i>Optics Letters</i> , 2014, 39, 5192.	3.3	112
3	Handheld photoacoustic microscopy to detect melanoma depth in vivo. <i>Optics Letters</i> , 2014, 39, 4731.	3.3	98
4	High-resolution deep functional imaging of the whole mouse brain by photoacoustic computed tomography in vivo. <i>Journal of Biophotonics</i> , 2018, 11, e201700024.	2.3	86
5	Absolute photoacoustic thermometry in deep tissue. <i>Optics Letters</i> , 2013, 38, 5228.	3.3	72
6	Optical clearing-aided photoacoustic microscopy with enhanced resolution and imaging depth. <i>Optics Letters</i> , 2013, 38, 2592.	3.3	55
7	Handheld photoacoustic probe to detect both melanoma depth and volume at high speed in vivo. <i>Journal of Biophotonics</i> , 2015, 8, 961-967.	2.3	55
8	Noninvasive Determination of Melanoma Depth using a Handheld Photoacoustic Probe. <i>Journal of Investigative Dermatology</i> , 2017, 137, 1370-1372.	0.7	54
9	Calibration-free in vivo transverse blood flowmetry based on cross correlation of slow time profiles from photoacoustic microscopy. <i>Optics Letters</i> , 2013, 38, 3882.	3.3	48
10	Photoacoustic tomography imaging and estimation of oxygen saturation of hemoglobin in ocular tissue of rabbits. <i>Experimental Eye Research</i> , 2015, 138, 153-158.	2.6	41
11	Photoacoustic microscopy of bilirubin in tissue phantoms. <i>Journal of Biomedical Optics</i> , 2012, 17, 126019.	2.6	38
12	Random-access optical-resolution photoacoustic microscopy using a digital micromirror device. <i>Optics Letters</i> , 2013, 38, 2683.	3.3	38
13	Label-free high-throughput detection and quantification of circulating melanoma tumor cell clusters by linear-array-based photoacoustic tomography. <i>Journal of Biomedical Optics</i> , 2016, 22, 1.	2.6	38
14	Cross-correlation-based transverse flow measurements using optical resolution photoacoustic microscopy with a digital micromirror device. <i>Journal of Biomedical Optics</i> , 2013, 18, 096004.	2.6	33
15	Quantitative photoacoustic elastography in humans. <i>Journal of Biomedical Optics</i> , 2016, 21, 066011.	2.6	26
16	Slow-sound photoacoustic microscopy. <i>Applied Physics Letters</i> , 2013, 102, 163702.	3.3	25
17	Calibration-free absolute quantification of particle concentration by statistical analyses of photoacoustic signals in vivo. <i>Journal of Biomedical Optics</i> , 2014, 19, 037001.	2.6	25
18	Photoacoustic tomography of vascular compliance in humans. <i>Journal of Biomedical Optics</i> , 2015, 20, 126008.	2.6	23

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19	Microcirculatory changes identified by photoacoustic microscopy in patients with complex regional pain syndrome type I after stellate ganglion blocks. <i>Journal of Biomedical Optics</i> , 2014, 19, 086017.	2.6	21
20	Noninvasive photoacoustic microscopy of methemoglobin <i>in vivo</i> . <i>Journal of Biomedical Optics</i> , 2015, 20, 036007.	2.6	15
21	Grüneisen relaxation photoacoustic microscopy <i>in vivo</i> . <i>Journal of Biomedical Optics</i> , 2016, 21, 066005.	2.6	15
22	Use of a single xenon flash lamp for photoacoustic computed tomography of multiple-centimeter-thick biological tissue <i>ex vivo</i> and a whole mouse body <i>in vivo</i> . <i>Journal of Biomedical Optics</i> , 2016, 22, 041003.	2.6	13
23	Cuffing-based photoacoustic flowmetry in humans in the optical diffusive regime. <i>Journal of Biophotonics</i> , 2016, 9, 208-212.	2.3	10
24	Photoacoustic microscopy of arteriovenous shunts and blood diffusion in early-stage tumors. <i>Journal of Biomedical Optics</i> , 2016, 21, 1.	2.6	9
25	Quantitative photoacoustic elastography of Young's modulus in humans. , 2017, , .		6
26	<i>In vivo</i> photoacoustic flowmetry at depths of the diffusive regime based on saline injection. <i>Journal of Biomedical Optics</i> , 2015, 20, 1.	2.6	4
27	Translational Photoacoustic Microscopy. <i>Progress in Optical Science and Photonics</i> , 2016, , 47-73.	0.5	3
28	DMD-based random-access optical-resolution photoacoustic microscopy. , 2014, , .		2
29	<i>In vivo</i> melanoma depth detection by a handheld photoacoustic microscope. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
30	Noninvasive photoacoustic microscopy of methemoglobin <i>in vivo</i> . <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
31	Detecting both melanoma depth and volume <i>in vivo</i> with a handheld photoacoustic probe. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
32	Photoacoustic microscopy with enhanced resolution and imaging depth aided by optical clearing. , 2014, , .		0
33	Cross-correlation-based flowmetry using optical-resolution photoacoustic microscopy with a digital micromirror device. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
34	Photoacoustic microscopy with an enhanced axial resolution of 5.8 μm . <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
35	Photoacoustic correlation spectroscopy for calibration-free absolute quantification of particle concentration. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
36	Photoacoustic microscopy of complex regional pain syndrome type I (CRPS-1) after stellate ganglion blocks <i>in vivo</i> . , 2015, , .		0

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37	Cuffing-based photoacoustic flowmetry in humans at depths in the diffusive regime. , 2016, , .		0
38	Vascular elastic photoacoustic tomography in humans. Proceedings of SPIE, 2016, , .	0.8	0
39	In vivo photoacoustic flowmetry in the optical diffusive regime based on saline injection. , 2016, , .		0
40	Linear-array-based photoacoustic tomography for label-free high-throughput detection and quantification of circulating melanoma tumor cell clusters. , 2017, , .		0