Yong Zhou

List of Publications by Year in descending order

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	Highâ€resolution deep functional imaging of the whole mouse brain by photoacoustic computed tomography in vivo. Journal of Biophotonics, 2018, 11, e201700024.	2.3	86
2	Noninvasive Determination of Melanoma Depth using a Handheld Photoacoustic Probe. Journal of Investigative Dermatology, 2017, 137, 1370-1372.	0.7	54
3	Quantitative photoacoustic elastography of Youngâ€™s modulus in humans. , 2017, , .		6
4	Linear-array-based photoacoustic tomography for label-free high-throughput detection and quantification of circulating melanoma tumor cell clusters. , 2017, , .		0
5	Cuffing-based photoacoustic flowmetry in humans in the optical diffusive regime. Journal of Biophotonics, 2016, 9, 208-212.	2.3	10
6	Tutorial on photoacoustic tomography. Journal of Biomedical Optics, 2016, 21, 061007.	2.6	287
7	Label-free high-throughput detection and quantification of circulating melanoma tumor cell clusters by linear-array-based photoacoustic tomography. Journal of Biomedical Optics, 2016, 22, 1.	2.6	38
8	Use of a single xenon flash lamp for photoacoustic computed tomography of multiple-centimeter-thick biological tissue ex vivo and a whole mouse body in vivo. Journal of Biomedical Optics, 2016, 22, 041003.	2.6	13
9	Grueneisen relaxation photoacoustic microscopyin vivo. Journal of Biomedical Optics, 2016, 21, 066005.	2.6	15
10	Cuffing-based photoacoustic flowmetry in humans at depths in the diffusive regime. , 2016, , .		0
11	Quantitative photoacoustic elastography in humans. Journal of Biomedical Optics, 2016, 21, 066011.	2.6	26
12	Vascular elastic photoacoustic tomography in humans. Proceedings of SPIE, 2016, , .	0.8	0
13	In vivo photoacoustic flowmetry in the optical diffusive regime based on saline injection. , 2016, , .		0
14	Detecting both melanoma depth and volume in vivo with a handheld photoacoustic probe. Proceedings of SPIE, 2016, , .	0.8	1
15	Photoacoustic microscopy of arteriovenous shunts and blood diffusion in early-stage tumors. Journal of Biomedical Optics, 2016, 21, 1.	2.6	9
16	Translational Photoacoustic Microscopy. Progress in Optical Science and Photonics, 2016, , 47-73.	0.5	3
17	Noninvasive photoacoustic microscopy of methemoglobin in vivo. Proceedings of SPIE, 2015, , .	0.8	1
18	Photoacoustic tomography of vascular compliance in humans. Journal of Biomedical Optics, 2015, 20, 126008.	2.6	23

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19	Photoacoustic microscopy of complex regional pain syndrome type I (CRPS-1) after stellate ganglion blocks in vivo. , 2015, , .		0
20	Handheld photoacoustic probe to detect both melanoma depth and volume at high speed in vivo. Journal of Biophotonics, 2015, 8, 961-967.	2.3	55
21	In vivo melanoma depth detection by a handheld photoacoustic microscope. Proceedings of SPIE, 2015, , .	0.8	2
22	Noninvasive photoacoustic microscopy of methemoglobinin vivo. Journal of Biomedical Optics, 2015, 20, 036007.	2.6	15
23	Photoacoustic tomography imaging and estimation of oxygen saturation of hemoglobin in ocular tissue of rabbits. Experimental Eye Research, 2015, 138, 153-158.	2.6	41
24	In vivo photoacoustic flowmetry at depths of the diffusive regime based on saline injection. Journal of Biomedical Optics, 2015, 20, 1.	2.6	4
25	Photoacoustic microscopy with enhanced resolution and imaging depth aided by optical clearing. , 2014, , .		0
26	Cross-correlation-based flowmetry using optical-resolution photoacoustic microscopy with a digital micromirror device. Proceedings of SPIE, 2014, , .	0.8	0
27	Photoacoustic microscopy with an enhanced axial resolution of 5.8 Î¼m. Proceedings of SPIE, 2014, , .	0.8	0
28	Near-infrared optical-resolution photoacoustic microscopy. Optics Letters, 2014, 39, 5192.	3.3	112
29	Calibration-free absolute quantification of particle concentration by statistical analyses of photoacoustic signalsin vivo. Journal of Biomedical Optics, 2014, 19, 037001.	2.6	25
30	Photoacoustic correlation spectroscopy for calibration-free absolute quantification of particle concentration. Proceedings of SPIE, 2014, , .	0.8	0
31	DMD-based random-access optical-resolution photoacoustic microscopy. , 2014, , .		2
32	Microcirculatory changes identified by photoacoustic microscopy in patients with complex regional pain syndrome type I after stellate ganglion blocks. Journal of Biomedical Optics, 2014, 19, 086017.	2.6	21
33	Handheld photoacoustic microscopy to detect melanoma depth in vivo. Optics Letters, 2014, 39, 4731.	3.3	98
34	Slow-sound photoacoustic microscopy. Applied Physics Letters, 2013, 102, 163702.	3.3	25
35	Optical clearing-aided photoacoustic microscopy with enhanced resolution and imaging depth. Optics Letters, 2013, 38, 2592.	3.3	55
36	Absolute photoacoustic thermometry in deep tissue. Optics Letters, 2013, 38, 5228.	3.3	72

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37	Random-access optical-resolution photoacoustic microscopy using a digital micromirror device. Optics Letters, 2013, 38, 2683.	3.3	38
38	Calibration-free in vivo transverse blood flowmetry based on cross correlation of slow time profiles from photoacoustic microscopy. Optics Letters, 2013, 38, 3882.	3.3	48
39	Cross-correlation-based transverse flow measurements using optical resolution photoacoustic microscopy with a digital micromirror device. Journal of Biomedical Optics, 2013, 18, 096004.	2.6	33
40	Photoacoustic microscopy of bilirubin in tissue phantoms. Journal of Biomedical Optics, 2012, 17, 126019.	2.6	38