

# Chi Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11589001/publications.pdf>

Version: 2024-02-01

33  
papers

1,769  
citations

331670

21  
h-index

526287

27  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1841  
citing authors

#	ARTICLE	IF	CITATIONS
1	Subwavelength-resolution label-free photoacoustic microscopy of optical absorption in vivo. Optics Letters, 2010, 35, 3195.	3.3	251
2	Fast label-free multilayered histology-like imaging of human breast cancer by photoacoustic microscopy. Science Advances, 2017, 3, e1602168.	10.3	187
3	Grüneisen Relaxation Photoacoustic Microscopy. Physical Review Letters, 2014, 113, 174301.	7.8	126
4	In vivo photoacoustic microscopy with 7.6-Åµm axial resolution using a commercial 125-MHz ultrasonic transducer. Journal of Biomedical Optics, 2012, 17, 1.	2.6	113
5	Photoimprint Photoacoustic Microscopy for Three-Dimensional Label-Free Subdiffraction Imaging. Physical Review Letters, 2014, 112, 014302.	7.8	111
6	Label-free automated three-dimensional imaging of whole organs by microtomy-assisted photoacoustic microscopy. Nature Communications, 2017, 8, 1386.	12.8	104
7	Reflection-mode submicron-resolution in vivo photoacoustic microscopy. Journal of Biomedical Optics, 2012, 17, 020501.	2.6	102
8	Labeling Human Mesenchymal Stem Cells with Gold Nanocages for <i>in vitro</i> and <i>in vivo</i> Tracking by Two-Photon Microscopy and Photoacoustic Microscopy. Theranostics, 2013, 3, 532-543.	10.0	92
9	Photoacoustic measurement of the Grüneisen parameter of tissue. Journal of Biomedical Optics, 2014, 19, 017007.	2.6	92
10	Label-free photoacoustic microscopy of cytochromes. Journal of Biomedical Optics, 2013, 18, 020504.	2.6	87
11	Effects of light scattering on optical-resolution photoacoustic microscopy. Journal of Biomedical Optics, 2012, 17, 126014.	2.6	64
12	Single-cell photoacoustic thermometry. Journal of Biomedical Optics, 2013, 18, 026003.	2.6	60
13	Multi-Scale Molecular Photoacoustic Tomography of Gene Expression. PLoS ONE, 2012, 7, e43999.	2.5	54
14	Noninvasive Photoacoustic Microscopy of Living Cells in Two and Three Dimensions through Enhancement by a Metabolite Dye. Angewandte Chemie - International Edition, 2011, 50, 7359-7363.	13.8	47
15	Photoacoustic microscopy of bilirubin in tissue phantoms. Journal of Biomedical Optics, 2012, 17, 126019.	2.6	38
16	Intracellular temperature mapping with fluorescence-assisted photoacoustic-thermometry. Applied Physics Letters, 2013, 102, 193705.	3.3	37
17	A reconstruction algorithm for thermoacoustic tomography with compensation for acoustic speed heterogeneity. Physics in Medicine and Biology, 2008, 53, 4971-4982.	3.0	35
18	Label-free photoacoustic microscopy of myocardial sheet architecture. Journal of Biomedical Optics, 2012, 17, 060506.	2.6	32

#	ARTICLE	IF	CITATIONS
19	Deconvolution reconstruction of full-view and limited-view photoacoustic tomography: a simulation study. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008, 25, 2436.	1.5	29
20	Fast and Robust Deconvolution-Based Image Reconstruction for Photoacoustic Tomography in Circular Geometry: Experimental Validation. <i>IEEE Photonics Journal</i> , 2010, 2, 57-66.	2.0	27
21	Slow-sound photoacoustic microscopy. <i>Applied Physics Letters</i> , 2013, 102, 163702.	3.3	25
22	Optical-Resolution Photoacoustic Microscopy for Volumetric and Spectral Analysis of Histological and Immunochemical Samples. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8099-8103.	13.8	18
23	Photoacoustic recovery after photothermal bleaching in living cells. <i>Journal of Biomedical Optics</i> , 2013, 18, 106004.	2.6	7
24	Label-free photoacoustic microscopy of cytochrome c in cells. , 2012, , .		4
25	Reflection-mode submicron-resolution photoacoustic microscopy in vivo. , 2012, , .		2
26	Subwavelength-resolution photoacoustic microscopy for label-free detection of optical absorption in vivo. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
27	DECONVOLUTION RECONSTRUCTION OF LIMITED-VIEW THERMOACOUSTIC TOMOGRAPHY FOR SMALL-SCALE OBJECTS. , 2008, , .		0
28	Photoacoustic microscopy of myocardial sheet architecture in unfixed and unstained mammalian hearts. , 2012, , .		0
29	Quantitative imaging of bilirubin by photoacoustic microscopy. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
30	Photoacoustic microscopy with 7.6- $\mu$ m axial resolution. , 2013, , .		0
31	Photothermal bleaching and recovery analysis in photoacoustic microscopy. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
32	Intracellular temperature mapping with fluorescence-assisted photoacoustic thermometry. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
33	Photoacoustic microscopy with an enhanced axial resolution of 5.8 $\mu$ m. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0