

Zhiyang Wang

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

646
citations

566801

15
h-index

580395

25
g-index

34
all docs

34
docs citations

34
times ranked

580
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive monitoring of traumatic brain injury and post-traumatic rehabilitation with laser-induced photoacoustic imaging. <i>Applied Physics Letters</i> , 2007, 90, 243902.	1.5	70
2	Toward in vivo biopsy of melanoma based on photoacoustic and ultrasound dual imaging with an integrated detector. <i>Biomedical Optics Express</i> , 2016, 7, 279.	1.5	52
3	Intravascular confocal photoacoustic endoscope with dual-element ultrasonic transducer. <i>Optics Express</i> , 2015, 23, 9130.	1.7	49
4	Microwave pumped high-efficient thermoacoustic tumor therapy with single wall carbon nanotubes. <i>Biomaterials</i> , 2016, 75, 163-173.	5.7	47
5	In vivo fast variable focus photoacoustic microscopy using an electrically tunable lens. <i>Optics Express</i> , 2014, 22, 20130.	1.7	42
6	Noninvasive and high-resolving photoacoustic dermoscopy of human skin. <i>Biomedical Optics Express</i> , 2016, 7, 2095.	1.5	42
7	Noncontact broadband all-optical photoacoustic microscopy based on a low-coherence interferometer. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	41
8	In vivo volumetric monitoring of revascularization of traumatized skin using extended depth-of-field photoacoustic microscopy. <i>Frontiers of Optoelectronics</i> , 2020, 13, 307-317.	1.9	29
9	Switchable optical and acoustic resolution photoacoustic dermoscope dedicated into <i>in vivo</i> biopsy-like of human skin. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	28
10	Photoacoustic confocal dermoscope with a waterless coupling and impedance matching opto-sono probe. <i>Optics Letters</i> , 2017, 42, 2342.	1.7	28
11	Optical biopsy approach to basal cell carcinoma and melanoma based on all-optically integrated photoacoustic and optical coherence tomography. <i>Optics Letters</i> , 2017, 42, 2145.	1.7	21
12	Miniaturized photoacoustic probe for in vivo imaging of subcutaneous microvessels within human skin. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 807-807.	1.1	20
13	Fast linear confocal scanning photoacoustic dermoscopy for non-invasive assessment of chromatodermatosis. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	19
14	Wide-field monitoring and real-time local recording of microvascular networks on small animals with a dual-raster-scanned photoacoustic microscope. <i>Journal of Biophotonics</i> , 2020, 13, e202000022.	1.1	17
15	Large-depth-of-field optical-resolution colorectal photoacoustic endoscope. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	16
16	Photoacoustic and ultrasound (PAUS) dermoscope with high sensitivity and penetration depth by using a bimorph transducer. <i>Journal of Biophotonics</i> , 2020, 13, e202000145.	1.1	16
17	Noncontact photoacoustic angiography with an air-coupled ultrasonic transducer for evaluation of burn injury. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	14
18	Photoacoustic-guided photothermal therapy by mapping of tumor microvasculature and nanoparticle. <i>Nanophotonics</i> , 2021, 10, 3359-3368.	2.9	13

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19	Bifocal 532/1064nm alternately illuminated photoacoustic microscopy for capturing deep vascular morphology in human skin. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2022, 36, 51-59.	1.3	13
20	Fast controllable confocal focus photoacoustic microscopy using a synchronous zoom opto-sono objective. <i>Optics Letters</i> , 2019, 44, 1880.	1.7	13
21	<i>In vivo</i> anatomical imaging of colorectum by tens-of-micron-resolved photoacoustic/ultrasonic endoscope. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	10
22	In vivo imaging of a single erythrocyte with high-resolution photoacoustic microscopy. <i>Frontiers of Optoelectronics</i> , 2015, 8, 122-127.	1.9	8
23	Quantitative and anatomical imaging of dermal angiopathy by noninvasive photoacoustic microscopic biopsy. <i>Biomedical Optics Express</i> , 2021, 12, 6300.	1.5	8
24	Subpixel and On-Line Motion Correction for Photoacoustic Dermoscopy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-8.	1.9	6
25	Label-free photoacoustic imaging guided sclerotherapy for vascular malformations: a feasibility study. <i>Optics Express</i> , 2018, 26, 4967.	1.7	5
26	An Ellipsoidal Focused Ultrasound Transducer for Extend-Focus Photoacoustic Microscopy. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 3748-3752.	2.5	5
27	Quantitative multilayered assessment of skin lightening by photoacoustic microscopy. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 12, 0-0.	1.1	4
28	Multiscale confocal photoacoustic dermoscopy to evaluate skin health. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 2696-2708.	1.1	4
29	High-security photoacoustic identity recognition by capturing hierarchical vascular structure of finger. <i>Journal of Biophotonics</i> , 2021, 14, e202100086.	1.1	2
30	Dual Raster-Scanning Photoacoustic Small-Animal Imager for Vascular Visualization. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	1
31	Three dimensional confocal photoacoustic dermoscopy with an autofocusing sono-opto probe. <i>Journal of Biophotonics</i> , 2022, , e202100323.	1.1	1
32	Quantitative and Anatomical Imaging of Human Skin by Noninvasive Photoacoustic Dermoscopy. <i>Bio-protocol</i> , 2022, 12, e4372.	0.2	1