

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

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all docs

34
docs citations

34
times ranked

580
citing authors

#	ARTICLE	IF	CITATIONS
1	Bifocal 532/1064-nm 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
2	Three dimensional confocal photoacoustic dermoscopy with an autofocusing sono-opto probe. <i>Journal of Biophotonics</i> , 2022, , e202100323.	1.1	1
3	Quantitative and Anatomical Imaging of Human Skin by Noninvasive Photoacoustic Dermoscopy. <i>Bio-protocol</i> , 2022, 12, e4372.	0.2	1
4	Multiscale confocal photoacoustic dermoscopy to evaluate skin health. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 2696-2708.	1.1	4
5	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
6	An Ellipsoidal Focused Ultrasound Transducer for Extend-Focus Photoacoustic Microscopy. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 3748-3752.	2.5	5
7	<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
8	High-security photoacoustic identity recognition by capturing hierarchical vascular structure of finger. <i>Journal of Biophotonics</i> , 2021, 14, e202100086.	1.1	2
9	Photoacoustic-guided photothermal therapy by mapping of tumor microvasculature and nanoparticle. <i>Nanophotonics</i> , 2021, 10, 3359-3368.	2.9	13
10	Quantitative and anatomical imaging of dermal angiopathy by noninvasive photoacoustic microscopic biopsy. <i>Biomedical Optics Express</i> , 2021, 12, 6300.	1.5	8
11	Quantitative multilayered assessment of skin lightening by photoacoustic microscopy. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 12, 0-0.	1.1	4
12	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
13	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
14	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
15	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
16	Dual Raster-Scanning Photoacoustic Small-Animal Imager for Vascular Visualization. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	1
17	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
18	Noncontact photoacoustic angiography with an air-coupled ultrasonic transducer for evaluation of burn injury. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	14

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19	Large-depth-of-field optical-resolution colorectal photoacoustic endoscope. Applied Physics Letters, 2019, 114, .	1.5	16
20	Fast controllable confocal focus photoacoustic microscopy using a synchronous zoom opto-sono objective. Optics Letters, 2019, 44, 1880.	1.7	13
21	Label-free photoacoustic imaging guided sclerotherapy for vascular malformations: a feasibility study. Optics Express, 2018, 26, 4967.	1.7	5
22	Fast linear confocal scanning photoacoustic dermoscopy for non-invasive assessment of chromatodermatosis. Applied Physics Letters, 2018, 113, .	1.5	19
23	Optical biopsy approach to basal cell carcinoma and melanoma based on all-optically integrated photoacoustic and optical coherence tomography. Optics Letters, 2017, 42, 2145.	1.7	21
24	Photoacoustic confocal dermoscope with a waterless coupling and impedance matching opto-sono probe. Optics Letters, 2017, 42, 2342.	1.7	28
25	Noninvasive and high-resolving photoacoustic dermoscopy of human skin. Biomedical Optics Express, 2016, 7, 2095.	1.5	42
26	Toward in vivo biopsy of melanoma based on photoacoustic and ultrasound dual imaging with an integrated detector. Biomedical Optics Express, 2016, 7, 279.	1.5	52
27	Microwave pumped high-efficient thermoacoustic tumor therapy with single wall carbon nanotubes. Biomaterials, 2016, 75, 163-173.	5.7	47
28	In vivo imaging of a single erythrocyte with high-resolution photoacoustic microscopy. Frontiers of Optoelectronics, 2015, 8, 122-127.	1.9	8
29	Noncontact broadband all-optical photoacoustic microscopy based on a low-coherence interferometer. Applied Physics Letters, 2015, 106, .	1.5	41
30	Intravascular confocal photoacoustic endoscope with dual-element ultrasonic transducer. Optics Express, 2015, 23, 9130.	1.7	49
31	In vivo fast variable focus photoacoustic microscopy using an electrically tunable lens. Optics Express, 2014, 22, 20130.	1.7	42
32	Noninvasive monitoring of traumatic brain injury and post-traumatic rehabilitation with laser-induced photoacoustic imaging. Applied Physics Letters, 2007, 90, 243902.	1.5	70