

Junhui Shi

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,011
citations

361045

20
h-index

433756

31
g-index

32
all docs

32
docs citations

32
times ranked

1977
citing authors

#	ARTICLE	IF	CITATIONS
1	Massively parallel functional photoacoustic computed tomography of the human brain. <i>Nature Biomedical Engineering</i> , 2022, 6, 584-592.	11.6	97
2	High-speed three-dimensional photoacoustic computed tomography for preclinical research and clinical translation. <i>Nature Communications</i> , 2021, 12, 882.	5.8	77
3	Recent advances in high-speed photoacoustic microscopy. <i>Photoacoustics</i> , 2021, 24, 100294.	4.4	21
4	Multifocal photoacoustic microscopy using a single-element ultrasonic transducer through an ergodic relay. <i>Light: Science and Applications</i> , 2020, 9, 135.	7.7	17
5	Snapshot photoacoustic topography through an ergodic relay for high-throughput imaging of optical absorption. <i>Nature Photonics</i> , 2020, 14, 164-170.	15.6	70
6	Transparent High-Frequency Ultrasonic Transducer for Photoacoustic Microscopy Application. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 1848-1853.	1.7	37
7	Label-free imaging of lipid-rich biological tissues by mid-infrared photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2020, 25, .	1.4	13
8	Photoacoustic topography through an ergodic relay for functional imaging and biometric application in vivo. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	1.4	14
9	High-resolution, high-contrast mid-infrared imaging of fresh biological samples with ultraviolet-localized photoacoustic microscopy. <i>Nature Photonics</i> , 2019, 13, 609-615.	15.6	158
10	In vivo superresolution photoacoustic computed tomography by localization of single dyed droplets. <i>Light: Science and Applications</i> , 2019, 8, 36.	7.7	67
11	Microwave-induced thermoacoustic tomography through an adult human skull. <i>Medical Physics</i> , 2019, 46, 1793-1797.	1.6	25
12	High-resolution deep functional imaging of the whole mouse brain by photoacoustic computed tomography <i>in vivo</i> . <i>Journal of Biophotonics</i> , 2018, 11, e201700024.	1.1	86
13	Advances in super-resolution photoacoustic imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 724-732.	1.1	18
14	High-speed widefield photoacoustic microscopy of small-animal hemodynamics. <i>Biomedical Optics Express</i> , 2018, 9, 4689.	1.5	85
15	Small near-infrared photochromic protein for photoacoustic multi-contrast imaging and detection of protein interactions in vivo. <i>Nature Communications</i> , 2018, 9, 2734.	5.8	77
16	Single-breath-hold photoacoustic computed tomography of the breast. <i>Nature Communications</i> , 2018, 9, 2352.	5.8	290
17	High-throughput ultraviolet photoacoustic microscopy with multifocal excitation. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	26
18	Dual-axis illumination for virtually augmenting the detection view of optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	8

#	ARTICLE	IF	CITATIONS
19	Single-impulse panoramic photoacoustic computed tomography of small-animal whole-body dynamics at high spatiotemporal resolution. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	334
20	Label-free automated three-dimensional imaging of whole organs by microtomy-assisted photoacoustic microscopy. <i>Nature Communications</i> , 2017, 8, 1386.	5.8	104
21	Focusing light inside dynamic scattering media with millisecond digital optical phase conjugation. <i>Optica</i> , 2017, 4, 280.	4.8	127
22	In vivo label-free photoacoustic flow cytography and on-the-spot laser killing of single circulating melanoma cells. <i>Scientific Reports</i> , 2016, 6, 39616.	1.6	69
23	Lock-in camera based heterodyne holography for ultrasound-modulated optical tomography inside dynamic scattering media. <i>Applied Physics Letters</i> , 2016, 108, 231106.	1.5	22
24	Handheld optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2016, 22, 041002.	1.4	54
25	Observation of Optical Chemical Shift by Precision Nuclear Spin Optical Rotation Measurements and Calculations. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 437-441.	2.1	30
26	Optimal coherent control of coherent anti-Stokes Raman scattering: Signal enhancement and background elimination. <i>Journal of Chemical Physics</i> , 2012, 136, 144114.	1.2	4
27	Quantum state transformation by optimal projective measurements. <i>Journal of Mathematical Chemistry</i> , 2011, 49, 507-519.	0.7	6
28	Field-free molecular alignment by shaping femtosecond laser pulse with cubic phase modulation. <i>Physical Review A</i> , 2011, 84, .	1.0	29
29	Field-free molecular orientation by a multicolor laser field. <i>Physical Review A</i> , 2011, 83, .	1.0	35
30	Precise control of state-selective excitation in stimulated Raman scattering. <i>Physical Review A</i> , 2010, 82, .	1.0	9
31	PERFECT POPULATION TRANSFER IN PULSE-DRIVEN QUANTUM CHAINS. <i>Journal of Theoretical and Computational Chemistry</i> , 2010, 09, 847-860.	1.8	1