

Junhui Shi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5143929/publications.pdf>

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	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
2	Single-breath-hold photoacoustic computed tomography of the breast. <i>Nature Communications</i> , 2018, 9, 2352.	5.8	290
3	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
4	Focusing light inside dynamic scattering media with millisecond digital optical phase conjugation. <i>Optica</i> , 2017, 4, 280.	4.8	127
5	Label-free automated three-dimensional imaging of whole organs by microtomy-assisted photoacoustic microscopy. <i>Nature Communications</i> , 2017, 8, 1386.	5.8	104
6	Massively parallel functional photoacoustic computed tomography of the human brain. <i>Nature Biomedical Engineering</i> , 2022, 6, 584-592.	11.6	97
7	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
8	High-speed widefield photoacoustic microscopy of small-animal hemodynamics. <i>Biomedical Optics Express</i> , 2018, 9, 4689.	1.5	85
9	Small near-infrared photochromic protein for photoacoustic multi-contrast imaging and detection of protein interactions <i>in vivo</i> . <i>Nature Communications</i> , 2018, 9, 2734.	5.8	77
10	High-speed three-dimensional photoacoustic computed tomography for preclinical research and clinical translation. <i>Nature Communications</i> , 2021, 12, 882.	5.8	77
11	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
12	<i>In vivo</i> 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
13	<i>In vivo</i> superresolution photoacoustic computed tomography by localization of single dyed droplets. <i>Light: Science and Applications</i> , 2019, 8, 36.	7.7	67
14	Handheld optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2016, 22, 041002.	1.4	54
15	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
16	Field-free molecular orientation by a multicolor laser field. <i>Physical Review A</i> , 2011, 83, .	1.0	35
17	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
18	Field-free molecular alignment by shaping femtosecond laser pulse with cubic phase modulation. <i>Physical Review A</i> , 2011, 84, .	1.0	29

#	ARTICLE	IF	CITATIONS
19	High-throughput ultraviolet photoacoustic microscopy with multifocal excitation. Journal of Biomedical Optics, 2018, 23, 1.	1.4	26
20	Microwave-induced thermoacoustic tomography through an adult human skull. Medical Physics, 2019, 46, 1793-1797.	1.6	25
21	Lock-in camera based heterodyne holography for ultrasound-modulated optical tomography inside dynamic scattering media. Applied Physics Letters, 2016, 108, 231106.	1.5	22
22	Recent advances in high-speed photoacoustic microscopy. Photoacoustics, 2021, 24, 100294.	4.4	21
23	Advances in super-resolution photoacoustic imaging. Quantitative Imaging in Medicine and Surgery, 2018, 8, 724-732.	1.1	18
24	Multifocal photoacoustic microscopy using a single-element ultrasonic transducer through an ergodic relay. Light: Science and Applications, 2020, 9, 135.	7.7	17
25	Photoacoustic topography through an ergodic relay for functional imaging and biometric application in vivo. Journal of Biomedical Optics, 2020, 25, 1.	1.4	14
26	Label-free imaging of lipid-rich biological tissues by mid-infrared photoacoustic microscopy. Journal of Biomedical Optics, 2020, 25, .	1.4	13
27	Precise control of state-selective excitation in stimulated Raman scattering. Physical Review A, 2010, 82, .	1.0	9
28	Dual-axis illumination for virtually augmenting the detection view of optical-resolution photoacoustic microscopy. Journal of Biomedical Optics, 2018, 23, 1.	1.4	8
29	Quantum state transformation by optimal projective measurements. Journal of Mathematical Chemistry, 2011, 49, 507-519.	0.7	6
30	Optimal coherent control of coherent anti-Stokes Raman scattering: Signal enhancement and background elimination. Journal of Chemical Physics, 2012, 136, 144114.	1.2	4
31	PERFECT POPULATION TRANSFER IN PULSE-DRIVEN QUANTUM CHAINS. Journal of Theoretical and Computational Chemistry, 2010, 09, 847-860.	1.8	1