

Jitao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

600
citations

687363

13
h-index

794594

19
g-index

29
all docs

29
docs citations

29
times ranked

559
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimodal imaging system combining optical coherence tomography and Brillouin microscopy for neural tube imaging. <i>Optics Letters</i> , 2022, 47, 1347.	3.3	14
2	Tumor cell nuclei soften during transendothelial migration. <i>Journal of Biomechanics</i> , 2021, 121, 110400.	2.1	42
3	Mapping mechanical properties of biological materials via an add-on Brillouin module to confocal microscopes. <i>Nature Protocols</i> , 2021, 16, 1251-1275.	12.0	38
4	Dorsoventral polarity directs cell responses to migration track geometries. <i>Science Advances</i> , 2020, 6, eaba6505.	10.3	39
5	Nuclear Mechanics: Nuclear Mechanics within Intact Cells Is Regulated by Cytoskeletal Network and Internal Nanostructures (Small 18/2020). <i>Small</i> , 2020, 16, 2070098.	10.0	0
6	Nuclear Mechanics within Intact Cells Is Regulated by Cytoskeletal Network and Internal Nanostructures. <i>Small</i> , 2020, 16, e1907688.	10.0	52
7	Multimodal quantitative optical elastography of the crystalline lens with optical coherence elastography and Brillouin microscopy. <i>Biomedical Optics Express</i> , 2020, 11, 2041.	2.9	36
8	Detection properties of photoconductive antennas fabricated on low-temperature-grown GaAs and ErAs:GaAs at subterahertz band. <i>Optical Engineering</i> , 2020, 59, 1.	1.0	1
9	Enhanced terahertz radiation of photoconductive antenna fabricated on GaAs-on-sapphire. <i>AIP Advances</i> , 2019, 9, .	1.3	2
10	Tissue biomechanics during cranial neural tube closure measured by Brillouin microscopy and optical coherence tomography. <i>Birth Defects Research</i> , 2019, 111, 991-998.	1.5	43
11	Electrical Programming of Soft Matter: Using Temporally Varying Electrical Inputs To Spatially Control Self Assembly. <i>Biomacromolecules</i> , 2018, 19, 364-373.	5.4	46
12	Noncontact Characterization of Nuclear Mechanics within Intact Cells using Brillouin Microscopy. , 2018, , .		0
13	Noninvasive Imaging: Brillouin Confocal Microscopy. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1092, 351-364.	1.6	11
14	Contribution assessment of antenna structure and in-gap photocurrent in terahertz radiation of photoconductive antenna. <i>Journal of Applied Physics</i> , 2018, 124, 053107.	2.5	7
15	Biomechanical Properties of Murine Embryos Using Optical Coherence Tomography and Brillouin Microscopy. , 2018, , .		0
16	Brillouin flow cytometry for label-free mechanical phenotyping of the nucleus. <i>Lab on A Chip</i> , 2017, 17, 663-670.	6.0	65
17	Evaluating biomechanical properties of murine embryos using Brillouin microscopy and optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.6	46
18	Etalon filters for Brillouin microscopy of highly scattering tissues. <i>Optics Express</i> , 2016, 24, 22232.	3.4	24

#	ARTICLE	IF	CITATIONS
19	High-extinction virtually imaged phased array-based Brillouin spectroscopy of turbid biological media. Applied Physics Letters, 2016, 108, 203701.	3.3	42
20	Time-domain THz near-field imaging incorporating Hadamard multiplexing method. , 2016, , .		0
21	Line-scanning Brillouin microscopy for rapid non-invasive mechanical imaging. Scientific Reports, 2016, 6, 35398.	3.3	48
22	High-finesse sub-GHz-resolution spectrometer employing VIPA etalons of different dispersion. Optics Letters, 2015, 40, 4436.	3.3	25
23	THz photoconductive antenna array based near field imaging. , 2015, , .		1
24	Numerical analysis of terahertz generation characteristics of photoconductive antenna. , 2014, , .		4
25	Terahertz emission properties of butterfly-shaped photoconductive antennas based on LT-GaAs and SI-GaAs substrates. , 2014, , .		0
26	Note: Real-time absolute air refractometer. Review of Scientific Instruments, 2014, 85, 056107.	1.3	9
27	Theoretical and experimental study of a terahertz time-domain spectrometer based on photoconductive antenna. , 2014, , .		1
28	Comparison of photoconductive antenna performance on LT-GaAs and SI-GaAs substrates. , 2014, , .		1