

Kaiqin Chu

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

240
citations

1163117

8
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

259
citing authors

#	ARTICLE	IF	CITATIONS
1	Epi-illumination dark-field microscopy enables direct visualization of unlabeled small organisms with high spatial and temporal resolution. <i>Journal of Biophotonics</i> , 2022, 15, e202100185.	2.3	5
2	Simultaneous 3D deconvolution and halo removal for spatial light interference microscopy through a two-edge apodized Wiener filter. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2022, 39, 287.	1.5	1
3	Label-free imaging of intracellular organelle dynamics using flat-fielding quantitative phase contrast microscopy (FF-QPCM). <i>Optics Express</i> , 2022, 30, 9505.	3.4	13
4	Recent advances in structured illumination microscopy. <i>JPhys Photonics</i> , 2021, 3, 024009.	4.6	25
5	Organelle-specific phase contrast microscopy enables gentle monitoring and analysis of mitochondrial network dynamics. <i>Biomedical Optics Express</i> , 2021, 12, 4363.	2.9	18
6	A sample-preparation-free, automated, sample-to-answer system for cell counting in human body fluids. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5025-5035.	3.7	5
7	Droplet digital PCR enabled by microfluidic impact printing for absolute gene quantification. <i>Talanta</i> , 2020, 211, 120680.	5.5	25
8	Combined Morpho-Chemical Profiling of Individual Extracellular Vesicles and Functional Nanoparticles without Labels. <i>Analytical Chemistry</i> , 2020, 92, 5585-5594.	6.5	25
9	Nanometer precise red blood cell sizing using a cost-effective quantitative dark field imaging system. <i>Biomedical Optics Express</i> , 2020, 11, 5950.	2.9	3
10	Quantitative phase microscopy with enhanced contrast and improved resolution through ultra-oblique illumination (UO-QPM). <i>Journal of Biophotonics</i> , 2019, 12, e201900011.	2.3	23
11	Simultaneous recovery of both bright and dim structures from noisy fluorescence microscopy images using a modified TV constraint. <i>Journal of Microscopy</i> , 2019, 275, 24-35.	1.8	2
12	Structured illumination microscopy with interleaved reconstruction (SIMILR). <i>Journal of Biophotonics</i> , 2018, 11, e201700090.	2.3	25
13	Image reconstruction for structured-illumination microscopy with low signal level. <i>Optics Express</i> , 2014, 22, 8687.	3.4	65
14	Super-resolved spatial light interference microscopy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012, 29, 344.	1.5	5
15	Asymmetrical Illumination Enables Lipid Droplets Segmentation in <i>Caenorhabditis elegans</i> Using Epi-Illumination Dark Field Microscopy. <i>Frontiers in Physics</i> , 0, 10, .	2.1	0