Yiming B Li

List of Publications by Year
in descending order

17 papers	883 citations	933447 10 h-index	888059 17 g-index
27 all docs	27 docs citations	27 times ranked	1100 citing authors

#	Article	IF	Citations
1	Nuclear pores as versatile reference standards for quantitative superresolution microscopy. Nature Methods, 2019, 16, 1045-1053.	19.0	236
2	Real-time 3D single-molecule localization using experimental point spread functions. Nature Methods, 2018, 15, 367-369.	19.0	234
3	Nanoscale subcellular architecture revealed by multicolor three-dimensional salvaged fluorescence imaging. Nature Methods, 2020, 17, 225-231.	19.0	95
4	Super-resolution imaging-based single particle tracking reveals dynamics of nanoparticle internalization by live cells. Nanoscale, 2016, 8, 7423-7429.	5.6	39
5	Superresolution microscopy reveals a dynamic picture of cell polarity maintenance during directional growth. Science Advances, 2015, 1, e1500947.	10.3	38
6	Depth-dependent PSF calibration and aberration correction for 3D single-molecule localization. Biomedical Optics Express, 2019, 10, 2708.	2.9	37
7	Fast and Efficient Molecule Detection in Localization-Based Super-Resolution Microscopy by Parallel Adaptive Histogram Equalization. ACS Nano, 2013, 7, 5207-5214.	14.6	35
8	Implementation of a 4Pi-SMS super-resolution microscope. Nature Protocols, 2021, 16, 677-727.	12.0	29
9	Helix Shape Power-Dependent Properties of Single Upconversion Nanoparticles. Journal of Physical Chemistry Letters, 2020, 11, 2883-2890.	4.6	27
10	VMP1 and TMEM41B are essential for DMV formation during Î²-coronavirus infection. Journal of Cell Biology, 2022, 221, .	5.2	26
11	Global fitting for high-accuracy multi-channel single-molecule localization. Nature Communications, 2022, 13, .	12.8	17
12	Accurate 4Pi single-molecule localization using an experimental PSF model. Optics Letters, 2020, 45, 3765.	3.3	15
13	Deformable mirror based optimal PSF engineering for 3D super-resolution imaging. Optics Letters, 2022, 47, 3031.	3.3	10
14	Photon-free (s)CMOS camera characterization for artifact reduction in high- and super-resolution microscopy. Nature Communications, 2022, 13, .	12.8	10
15	Software controlling algorithms for the system performance optimization of confocal laser scanning microscope. Biomedical Signal Processing and Control, 2010, 5, 223-228.	5.7	8
16	Review of 4Pi Fluorescence Nanoscopy. Engineering, 2022, 11, 146-153.	6.7	6
17	Ratiometric 4Pi single-molecule localization with optimal resolution and color assignment. Optics Letters, 2022, 47, 325.	3.3	4