

Yongdeng Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

1,364
citations

19
h-index

36
g-index

38
ext. papers

1,810
ext. citations

14
avg, IF

4.17
L-index

#	Paper	IF	Citations
35	Fluorogenic DNA-PAINT for faster, low-background super-resolution imaging.. <i>Nature Methods</i> , 2022 , 19, 554-559	21.6	2
34	Implementation of a 4Pi-SMS super-resolution microscope. <i>Nature Protocols</i> , 2021 , 16, 677-727	18.8	7
33	Palmitoylated Proteins in Plasmodium falciparum-Infected Erythrocytes: Investigation with Click Chemistry and Metabolic Labeling. <i>BioEssays</i> , 2020 , 42, e1900145	4.1	6
32	Accurate 4Pi single-molecule localization using an experimental PSF model. <i>Optics Letters</i> , 2020 , 45, 3765-3768	3.5	3
31	Nanoscale subcellular architecture revealed by multicolor three-dimensional salvaged fluorescence imaging. <i>Nature Methods</i> , 2020 , 17, 225-231	21.6	41
30	Spatial distribution of IL4 controls iNKT cell-DC crosstalk in tumors. <i>Cellular and Molecular Immunology</i> , 2020 , 17, 496-506	15.4	4
29	Dual Sensing of Physiologic pH and Calcium by EFCAB9 Regulates Sperm Motility. <i>Cell</i> , 2019 , 177, 1480-1494	49.1	55
28	Dynamic nanoscale morphology of the ER surveyed by STED microscopy. <i>Journal of Cell Biology</i> , 2019 , 218, 83-96	7.3	62
27	Arabidopsis Blue Light Receptor Phototropin 1 Undergoes Blue Light-Induced Activation in Membrane Microdomains. <i>Molecular Plant</i> , 2018 , 11, 846-859	14.4	27
26	3D mapping of nanoscale crosslink heterogeneities in microgels. <i>Materials Horizons</i> , 2018 , 5, 1130-1136	14.4	27
25	Membrane microdomains and the cytoskeleton constrain AtHIR1 dynamics and facilitate the formation of an AtHIR1-associated immune complex. <i>Plant Journal</i> , 2017 , 90, 3-16	6.9	41
24	Visualization and characterization of individual type III protein secretion machines in live bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6098-6103	11.5	45
23	Long time-lapse nanoscopy with spontaneously blinking membrane probes. <i>Nature Biotechnology</i> , 2017 , 35, 773-780	44.5	100
22	Congenital Heart Disease Genetics Uncovers Context-Dependent Organization and Function of Nucleoporins at Cilia. <i>Developmental Cell</i> , 2016 , 38, 478-92	10.2	66
21	Ultra-High Resolution 3D Imaging of Whole Cells. <i>Cell</i> , 2016 , 166, 1028-1040	56.2	185
20	Spatiotemporal detection and analysis of exocytosis reveal fusion "hotspots" organized by the cytoskeleton in endocrine cells. <i>Biophysical Journal</i> , 2015 , 108, 251-60	2.9	27
19	Drift correction for single-molecule imaging by molecular constraint field, a distance minimum metric. <i>BMC Biophysics</i> , 2015 , 8, 1	0	6

18	Diacylglycerol Guides the Hopping of Clathrin-Coated Pits along Microtubules for Exo-Endocytosis Coupling. <i>Developmental Cell</i> , 2015 , 35, 120-30	10.2	21
17	Three-dimensional super-resolution protein localization correlated with vitrified cellular context. <i>Scientific Reports</i> , 2015 , 5, 13017	4.9	67
16	Quantifying and optimizing single-molecule switching nanoscopy at high speeds. <i>PLoS ONE</i> , 2015 , 10, e0128135	3.7	44
15	Nanoscale Landscape of Phosphoinositides Revealed by Specific Pleckstrin Homology (PH) Domains Using Single-molecule Superresolution Imaging in the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2015 , 290, 26978-26993	5.4	36
14	High-density 3D single molecular analysis based on compressed sensing. <i>Biophysical Journal</i> , 2014 , 106, 2443-9	2.9	19
13	C13C4.5/Spinster, an evolutionarily conserved protein that regulates fertility in <i>C. elegans</i> through a lysosome-mediated lipid metabolism process. <i>Protein and Cell</i> , 2013 , 4, 364-72	7.2	9
12	Ultrafast, accurate, and robust localization of anisotropic dipoles. <i>Protein and Cell</i> , 2013 , 4, 598-606	7.2	11
11	Super-resolution microscopy of live cells using single molecule localization. <i>Science Bulletin</i> , 2013 , 58, 4519-4527		1
10	A unique series of reversibly switchable fluorescent proteins with beneficial properties for various applications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4455-60	11.5	99
9	Rational design of true monomeric and bright photoactivatable fluorescent proteins. <i>Nature Methods</i> , 2012 , 9, 727-9	21.6	317
8	RAB-27 and its effector RBF-1 regulate the tethering and docking steps of DCV exocytosis in <i>C. elegans</i> . <i>Science China Life Sciences</i> , 2012 , 55, 228-35	8.5	3
7	UNC-10 Regulates The Docking Step of DCV Exocytosis in <i>C. elegans</i> *. <i>Progress in Biochemistry and Biophysics</i> , 2012 , 39, 556-562		
6	UNC-31/CAPS docks and primes dense core vesicles in <i>C. elegans</i> neurons. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 397, 526-31	3.4	19
5	Application of Improved Wavelet Transform in Biological Particle Detection*. <i>Progress in Biochemistry and Biophysics</i> , 2010 , 37, 1144-1150		4
4	DCVs Exocytosis is Damaged in The Dominant Allele of β Spectrin Mutant in <i>C. elegans</i> *. <i>Progress in Biochemistry and Biophysics</i> , 2010 , 2009, 1589-1596		
3	Nanoscale subcellular architecture revealed by multicolor 3D salvaged fluorescence imaging		1
2	Fluorogenic probe for fast 3D whole-cell DNA-PAINT		8
1	Cryo-ET of a human GBP coatomer governing cell-autonomous innate immunity to infection		1

