

Xinming Zhang

List of Publications by Year in descending order

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31
papers

1,400
citations

471509

17
h-index

434195

31
g-index

53
all docs

53
docs citations

53
times ranked

1410
citing authors

#	ARTICLE	IF	CITATIONS
1	Single Reconstituted Neuronal SNARE Complexes Zipper in Three Distinct Stages. <i>Science</i> , 2012, 337, 1340-1343.	12.6	364
2	Munc18-1 catalyzes neuronal SNARE assembly by templating SNARE association. <i>ELife</i> , 2018, 7, .	6.0	114
3	Regulation of DNA Translocation Efficiency within the Chromatin Remodeler RSC/Sth1 Potentiates Nucleosome Sliding and Ejection. <i>Molecular Cell</i> , 2016, 62, 453-461.	9.7	81
4	Common intermediates and kinetics, but different energetics, in the assembly of SNARE proteins. <i>ELife</i> , 2014, 3, e03348.	6.0	80
5	Munc18-1-regulated stage-wise SNARE assembly underlying synaptic exocytosis. <i>ELife</i> , 2015, 4, .	6.0	75
6	Quantifying and Optimizing Single-Molecule Switching Nanoscopy at High Speeds. <i>PLoS ONE</i> , 2015, 10, e0128135.	2.5	67
7	Chaperoning SNARE Folding and Assembly. <i>Annual Review of Biochemistry</i> , 2021, 90, 581-603.	11.1	65
8	Single-molecule force spectroscopy of protein-membrane interactions. <i>ELife</i> , 2017, 6, .	6.0	59
9	Highly Anisotropic Stability and Folding Kinetics of a Single Coiled Coil Protein under Mechanical Tension. <i>Journal of the American Chemical Society</i> , 2011, 133, 12749-12757.	13.7	57
10	Munc13-1 MUN domain and Munc18-1 cooperatively chaperone SNARE assembly through a tetrameric complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1036-1041.	7.1	52
11	Energetics, kinetics, and pathway of <sc>SNARE</sc> folding and assembly revealed by optical tweezers. <i>Protein Science</i> , 2017, 26, 1252-1265.	7.6	38
12	Hidden Markov Modeling with Detailed Balance and Its Application to Single Protein Folding. <i>Biophysical Journal</i> , 2016, 111, 2110-2124.	0.5	36
13	Structure-Based Derivation of Protein Folding Intermediates and Energies from Optical Tweezers. <i>Biophysical Journal</i> , 2016, 110, 441-454.	0.5	36
14	Stability, folding dynamics, and long-range conformational transition of the synaptic t-SNARE complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8031-E8040.	7.1	34
15	Single-Molecule Protein Folding Experiments Using High-Precision Optical Tweezers. <i>Methods in Molecular Biology</i> , 2017, 1486, 357-390.	0.9	34
16	Munc13 binds and recruits SNAP25 to chaperone SNARE complex assembly. <i>FEBS Letters</i> , 2021, 595, 297-309.	2.8	33
17	Î±-SNAP Enhances SNARE Zippering by Stabilizing the SNARE Four-Helix Bundle. <i>Cell Reports</i> , 2016, 15, 531-539.	6.4	27
18	Synaptic vesicle fusion: today and beyond. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 663-668.	8.2	23

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19	Two Disease-Causing SNAP-25B Mutations Selectively Impair SNARE C-terminal Assembly. <i>Journal of Molecular Biology</i> , 2018, 430, 479-490.	4.2	21
20	Stepwise membrane binding of extended synaptotagmins revealed by optical tweezers. <i>Nature Chemical Biology</i> , 2022, 18, 313-320.	8.0	21
21	Kinetically coupled folding of a single HIV-1 glycoprotein 41 complex in viral membrane fusion and inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2855-64.	7.1	17
22	DNA Translocation of ATP-Dependent Chromatin Remodeling Factors Revealed by High-Resolution Optical Tweezers. <i>Methods in Enzymology</i> , 2012, 513, 3-28.	1.0	14
23	DICER1 regulates endometrial carcinoma invasion via histone acetylation and methylation. <i>Journal of Cancer</i> , 2017, 8, 933-939.	2.5	10
24	Quantitative Models of Lipid Transfer and Membrane Contact Formation. <i>Contact (Thousand Oaks) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	1.3	8
25	Single-molecule manipulation of macromolecules on GUV or SUV membranes using optical tweezers. <i>Biophysical Journal</i> , 2021, 120, 5454-5465.	0.5	7
26	Progesterone receptor inhibits the proliferation and invasion of endometrial cancer cells by up regulating KrÄ¼ppel-like factor 9. <i>Translational Cancer Research</i> , 2020, 9, 2220-2230.	1.0	6
27	A Solid-Solid Phase Transformation of Triclabendazole at High Pressures. <i>Crystals</i> , 2022, 12, 300.	2.2	4
28	Editorial Overview: Single-Molecule Approaches to Difficult Challenges in Folding and Dynamics. <i>Journal of Molecular Biology</i> , 2018, 430, 405-408.	4.2	3
29	Single-Molecule Optical Tweezers Study of Regulated SNARE Assembly. <i>Methods in Molecular Biology</i> , 2019, 1860, 95-114.	0.9	3
30	Securing SNAREs for assembly. <i>Journal of Biological Chemistry</i> , 2020, 295, 10136-10137.	3.4	3
31	ROR1 promotes the proliferation of endometrial cancer cells. <i>International Journal of Clinical and Experimental Pathology</i> , 2017, 10, 10603-10610.	0.5	1