Yunxiang Zhang

List of Publications by Year
in descending order

24 papers	2,056 citations	394421 19 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	2542 citing authors

#	Article	IF	Citations
1	Subnanometre single-molecule localization, registration and distance measurements. Nature, 2010, 466, 647-651.	27.8	313
2	Ideal, catch, and slip bonds in cadherin adhesion. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18815-18820.	7.1	236
3	Single upconversion nanoparticle imaging at sub-10 W cmâ¯2 irradiance. Nature Photonics, 2018, 12, 548-553.	31.4	193
4	Resolving cadherin interactions and binding cooperativity at the single-molecule level. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 109-114.	7.1	183
5	Synaptic proteins promote calcium-triggered fast transition from point contact to full fusion. ELife, 2012, 1, e00109.	6.0	154
6	In vitro system capable of differentiating fast Ca ²⁺ -triggered content mixing from lipid exchange for mechanistic studies of neurotransmitter release. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E304-13.	7.1	142
7	Studying calcium-triggered vesicle fusion in a single vesicle-vesicle content and lipid-mixing system. Nature Protocols, 2013, 8, 1-16.	12.0	113
8	Ultrahigh-resolution imaging reveals formation of neuronal SNARE/Munc18 complexes in situ. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2812-20.	7.1	97
9	Characterizing the Initial Encounter Complex in Cadherin Adhesion. Structure, 2009, 17, 1075-1081.	3.3	91
10	Complexin inhibits spontaneous release and synchronizes Ca2+-triggered synaptic vesicle fusion by distinct mechanisms. ELife, 2014, 3, e03756.	6.0	89
11	Sub-20 nm Coreâ€“Shellâ€“Shell Nanoparticles for Bright Upconversion and Enhanced FÃ¶rster Resonant Energy Transfer. Journal of the American Chemical Society, 2019, 141, 16997-17005.	13.7	80
12	C-terminal domain of mammalian complexin-1 localizes to highly curved membranes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7590-E7599.	7.1	66
13	Complexin-1 Enhances the On-Rate of Vesicle Docking via Simultaneous SNARE and Membrane Interactions. Journal of the American Chemical Society, 2013, 135, 15274-15277.	13.7	49
14	N-terminal domain of complexin independently activates calcium-triggered fusion. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4698-E4707.	7.1	44
15	Inhibition of calcium-triggered secretion by hydrocarbon-stapled peptides. Nature, 2022, 603, 949-956.	27.8	39
16	Complexin induces a conformational change at the membrane-proximal C-terminal end of the SNARE complex. ELife, 2016, 5, .	6.0	36
17	Molecular determinants of cadherin ideal bond formation: Conformation-dependent unbinding on a multidimensional landscape. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5711-20.	7.1	32
18	Studying proteinâ€reconstituted proteoliposome fusion with content indicators in vitro. BioEssays, 2013, 35, 658-665.	2.5	24

#	Article	IF	Citations
19	Voltage-Driven Flipping of Zwitterionic Artificial Channels in Lipid Bilayers to Rectify Ion Transport. Journal of the American Chemical Society, 2021, 143, 11332-11336.	13.7	21
20	Munc18a Does Not Alter Fusion Rates Mediated by Neuronal SNAREs, Synaptotagmin, and Complexin. Journal of Biological Chemistry, 2015, 290, 10518-10534.	3.4	17
21	SNAREâ€Reconstituted Liposomes as Controllable Zeptoliter Nanoreactors for Macromolecules. Advanced Biology, 2017, 1, e1600018.	3.0	11
22	A Single-Molecule Surface-Based Platform to Detect the Assembly and Function of the Human RNA Polymerase II Transcription Machinery. Structure, 2020, 28, 1337-1343.e4.	3.3	11
23	Ytterbiumâ€Enriched Outmost Shell for Enhanced Upconversion Single Molecule Imaging and Interfacial Triplet Energy Transfer. Advanced Optical Materials, 2022, 10, .	7.3	7
24	A Core-Shell-Shell Nanoparticle Architecture Towards Bright Upconversion and Improved FÃ¶rster Resonant Energy Transfer. , 2020, , .		0