# Yunxiang Zhang

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Ytterbiumâ€Enriched Outmost Shell for Enhanced Upconversion Single Molecule Imaging and Interfacial Triplet Energy Transfer. Advanced Optical Materials, 2022, 10, . | 7.3 | 7 |
| 2 | Inhibition of calcium-triggered secretion by hydrocarbon-stapled peptides. Nature, 2022, 603, 949-956. | 27.8 | 39 |
| 3 | 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 |
| 4 | 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 |
| 5 | A Core-Shell-Shell Nanoparticle Architecture Towards Bright Upconversion and Improved FÃ¶rster Resonant Energy Transfer. , 2020, , . | | 0 |
| 6 | 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 |
| 7 | Single upconversion nanoparticle imaging at sub-10 W cmâ^'2 irradiance. Nature Photonics, 2018, 12, 548-553. | 31.4 | 193 |
| 8 | SNAREâ€Reconstituted Liposomes as Controllable Zeptoliter Nanoreactors for Macromolecules. Advanced Biology, 2017, 1, e1600018. | 3.0 | 11 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Complexin induces a conformational change at the membrane-proximal C-terminal end of the SNARE complex. ELife, 2016, 5, . | 6.0 | 36 |
| 13 | Munc18a Does Not Alter Fusion Rates Mediated by Neuronal SNAREs, Synaptotagmin, and Complexin. Journal of Biological Chemistry, 2015, 290, 10518-10534. | 3.4 | 17 |
| 14 | Complexin inhibits spontaneous release and synchronizes Ca2+-triggered synaptic vesicle fusion by distinct mechanisms. ELife, 2014, 3, e03756. | 6.0 | 89 |
| 15 | 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 |
| 16 | Studying calcium-triggered vesicle fusion in a single vesicle-vesicle content and lipid-mixing system. Nature Protocols, 2013, 8, 1-16. | 12.0 | 113 |
| 17 | Studying proteinâ€reconstituted proteoliposome fusion with content indicators in vitro. BioEssays, 2013, 35, 658-665. | 2.5 | 24 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Synaptic proteins promote calcium-triggered fast transition from point contact to full fusion. ELife, 2012, 1, e00109. | 6.0 | 154 |
| 21 | In vitro system capable of differentiating fast Ca <sup>2+</sup> -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 |
| 22 | Subnanometre single-molecule localization, registration and distance measurements. Nature, 2010, 466, 647-651. | 27.8 | 313 |
| 23 | 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 |
| 24 | Characterizing the Initial Encounter Complex in Cadherin Adhesion. Structure, 2009, 17, 1075-1081. | 3.3 | 91 |