Ucheor B Choi

List of Publications by Year
in descending order

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Version: 2024-02-01

24 papers	1,755 citations	430874 18 h-index	677142 22 g-index
27 all docs	27 docs citations	27 times ranked	2034 citing authors

#	Article	IF	Citations
1	Conformational change of Syntaxin-3b in regulating SNARE complex assembly in the ribbon synapses. Scientific Reports, 2022, 12, .	3.3	2
2	Conformational Dynamics of SNARE Proteins during NSFâ€Mediated Disassembly. FASEB Journal, 2021, 35, .	0.5	0
3	Conformational dynamics of auto-inhibition in the ER calcium sensor STIM1. ELife, 2021, 10, .	6.0	22
4	Structures of neurexophilinâ€“neurexin complexes reveal a regulatory mechanism of alternative splicing. EMBO Journal, 2019, 38, e101603.	7.8	19
5	The pre-synaptic fusion machinery. Current Opinion in Structural Biology, 2019, 54, 179-188.	5.7	72
6	Ca2+-Triggered Synaptic Vesicle Fusion Initiated by Release of Inhibition. Trends in Cell Biology, 2018, 28, 631-645.	7.9	46
7	Molecular Mechanisms of Fast Neurotransmitter Release. Annual Review of Biophysics, 2018, 47, 469-497.	10.0	133
8	NSF-mediated disassembly of on- and off-pathway SNARE complexes and inhibition by complexin. ELife, 2018, 7, .	6.0	34
9	Structural principles of SNARE complex recognition by the AAA+ protein NSF. ELife, 2018, 7, .	6.0	67
10	Conformational change of syntaxin linker region induced by Munc13s initiates <scp>SNARE</scp> complex formation in synaptic exocytosis. EMBO Journal, 2017, 36, 816-829.	7.8	78
11	Molecular Mechanisms of Synaptic Vesicle Priming by Munc13 and Munc18. Neuron, 2017, 95, 591-607.e10.	8.1	185
12	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
13	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
14	Complexin induces a conformational change at the membrane-proximal C-terminal end of the SNARE complex. ELife, 2016, 5, .	6.0	36
15	Munc18a Does Not Alter Fusion Rates Mediated by Neuronal SNAREs, Synaptotagmin, and Complexin. Journal of Biological Chemistry, 2015, 290, 10518-10534.	3.4	17
16	Architecture of the synaptotagminâ€“SNARE machinery for neuronal exocytosis. Nature, 2015, 525, 62-67.	27.8	268
17	Reconstitution of Multivalent PDZ Domain Binding to the Scaffold Protein PSD-95 Reveals Ternary-Complex Specificity of Combinatorial Inhibition. Structure, 2014, 22, 1458-1466.	3.3	15
18	Modulating the Intrinsic Disorder in the Cytoplasmic Domain Alters the Biological Activity of the N-Methyl-d-aspartate-sensitive Glutamate Receptor. Journal of Biological Chemistry, 2013, 288, 22506-22515.	3.4	33

#	Article	IF	Citations
19	Immobilization of Proteins for Single-Molecule Fluorescence Resonance Energy Transfer Measurements of Conformation and Dynamics. , 2012, 896, 3-20.		26
20	Beyond the Random Coil: Stochastic Conformational Switching in Intrinsically Disordered Proteins. Structure, 2011, 19, 566-576.	3.3	109
21	Effect of Src Kinase Phosphorylation on Disordered C-terminal Domain of N-Methyl-d-aspartic Acid (NMDA) Receptor Subunit GluN2B Protein. Journal of Biological Chemistry, 2011, 286, 29904-29912.	3.4	44
22	Single-molecule FRETâ€“derived model of the synaptotagmin 1â€“SNARE fusion complex. Nature Structural and Molecular Biology, 2010, 17, 318-324.	8.2	194
23	Optimizing Methods to Recover Absolute FRET Efficiency from Immobilized Single Molecules. Biophysical Journal, 2010, 99, 961-970.	0.5	93
24	Accessory Proteins Stabilize the Acceptor Complex for Synaptobrevin, the 1:1 Syntaxin/SNAP-25 Complex. Structure, 2008, 16, 308-320.	3.3	151