

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	Architecture of the synaptotagminâ€“SNARE machinery for neuronal exocytosis. <i>Nature</i> , 2015, 525, 62-67.	27.8	268
2	Single-molecule FRETâ€“derived model of the synaptotagmin 1â€“SNARE fusion complex. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 318-324.	8.2	194
3	Molecular Mechanisms of Synaptic Vesicle Priming by Munc13 and Munc18. <i>Neuron</i> , 2017, 95, 591-607.e10.	8.1	185
4	Accessory Proteins Stabilize the Acceptor Complex for Synaptobrevin, the 1:1 Syntaxin/SNAP-25 Complex. <i>Structure</i> , 2008, 16, 308-320.	3.3	151
5	Molecular Mechanisms of Fast Neurotransmitter Release. <i>Annual Review of Biophysics</i> , 2018, 47, 469-497.	10.0	133
6	Beyond the Random Coil: Stochastic Conformational Switching in Intrinsically Disordered Proteins. <i>Structure</i> , 2011, 19, 566-576.	3.3	109
7	Optimizing Methods to Recover Absolute FRET Efficiency from Immobilized Single Molecules. <i>Biophysical Journal</i> , 2010, 99, 961-970.	0.5	93
8	Conformational change of syntaxin linker region induced by Munc13s initiates <sc>SNARE</sc> complex formation in synaptic exocytosis. <i>EMBO Journal</i> , 2017, 36, 816-829.	7.8	78
9	The pre-synaptic fusion machinery. <i>Current Opinion in Structural Biology</i> , 2019, 54, 179-188.	5.7	72
10	Structural principles of SNARE complex recognition by the AAA+ protein NSF. <i>ELife</i> , 2018, 7, .	6.0	67
11	C-terminal domain of mammalian complexin-1 localizes to highly curved membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7590-E7599.	7.1	66
12	Ca ²⁺ -Triggered Synaptic Vesicle Fusion Initiated by Release of Inhibition. <i>Trends in Cell Biology</i> , 2018, 28, 631-645.	7.9	46
13	Effect of Src Kinase Phosphorylation on Disordered C-terminal Domain of N-Methyl-d-aspartic Acid (NMDA) Receptor Subunit GluN2B Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 29904-29912.	3.4	44
14	N-terminal domain of complexin independently activates calcium-triggered fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4698-E4707.	7.1	44
15	Complexin induces a conformational change at the membrane-proximal C-terminal end of the SNARE complex. <i>ELife</i> , 2016, 5, .	6.0	36
16	NSF-mediated disassembly of on- and off-pathway SNARE complexes and inhibition by complexin. <i>ELife</i> , 2018, 7, .	6.0	34
17	Modulating the Intrinsic Disorder in the Cytoplasmic Domain Alters the Biological Activity of the N-Methyl-d-aspartate-sensitive Glutamate Receptor. <i>Journal of Biological Chemistry</i> , 2013, 288, 22506-22515.	3.4	33
18	Immobilization of Proteins for Single-Molecule Fluorescence Resonance Energy Transfer Measurements of Conformation and Dynamics. , 2012, 896, 3-20.		26

#	ARTICLE	IF	CITATIONS
19	Conformational dynamics of auto-inhibition in the ER calcium sensor STIM1. <i>ELife</i> , 2021, 10, .	6.0	22
20	Structures of neurexophilin-neurexin complexes reveal a regulatory mechanism of alternative splicing. <i>EMBO Journal</i> , 2019, 38, e101603.	7.8	19
21	Munc18a Does Not Alter Fusion Rates Mediated by Neuronal SNAREs, Synaptotagmin, and Complexin. <i>Journal of Biological Chemistry</i> , 2015, 290, 10518-10534.	3.4	17
22	Reconstitution of Multivalent PDZ Domain Binding to the Scaffold Protein PSD-95 Reveals Ternary-Complex Specificity of Combinatorial Inhibition. <i>Structure</i> , 2014, 22, 1458-1466.	3.3	15
23	Conformational change of Syntaxin-3b in regulating SNARE complex assembly in the ribbon synapses. <i>Scientific Reports</i> , 2022, 12, .	3.3	2
24	Conformational Dynamics of SNARE Proteins during NSF-Mediated Disassembly. <i>FASEB Journal</i> , 2021, 35, .	0.5	0