

Jeff Coleman

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

686
citations

623734

14
h-index

839539

18
g-index

23
all docs

23
docs citations

23
times ranked

617
citing authors

#	ARTICLE	IF	CITATIONS
1	Common intermediates and kinetics, but different energetics, in the assembly of SNARE proteins. <i>ELife</i> , 2014, 3, e03348.	6.0	80
2	PRRT2 Regulates Synaptic Fusion by Directly Modulating SNARE Complex Assembly. <i>Cell Reports</i> , 2018, 22, 820-831.	6.4	67
3	Ring-like oligomers of Synaptotagmins and related C2 domain proteins. <i>ELife</i> , 2016, 5, .	6.0	57
4	Genetic analysis of the Complexin trans-clamping model for cross-linking SNARE complexes in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10317-10322.	7.1	55
5	Synaptotagmin oligomerization is essential for calcium control of regulated exocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7624-E7631.	7.1	51
6	Synaptotagmin 1 oligomers clamp and regulate different modes of neurotransmitter release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3819-3827.	7.1	47
7	Synaptotagmin oligomers are necessary and can be sufficient to form a Ca ²⁺ -sensitive fusion clamp. <i>FEBS Letters</i> , 2019, 593, 154-162.	2.8	42
8	Synergistic roles of Synaptotagmin-1 and complexin in calcium-regulated neuronal exocytosis. <i>ELife</i> , 2020, 9, .	6.0	40
9	Structural basis for the clamping and Ca ²⁺ activation of SNARE-mediated fusion by synaptotagmin. <i>Nature Communications</i> , 2019, 10, 2413.	12.8	39
10	Munc13 binds and recruits SNAP25 to chaperone SNARE complex assembly. <i>FEBS Letters</i> , 2021, 595, 297-309.	2.8	33
11	Re-visiting the trans insertion model for complexin clamping. <i>ELife</i> , 2015, 4, .	6.0	33
12	Highly Reproducible Physiological Asymmetric Membrane with Freely Diffusing Embedded Proteins in a 3D-Printed Microfluidic Setup. <i>Small</i> , 2019, 15, e1900725.	10.0	29
13	High-Throughput Monitoring of Single Vesicle Fusion Using Freestanding Membranes and Automated Analysis. <i>Langmuir</i> , 2018, 34, 5849-5859.	3.5	26
14	Synaptotagmin-1 membrane binding is driven by the C2B domain and assisted cooperatively by the C2A domain. <i>Scientific Reports</i> , 2020, 10, 18011.	3.3	22
15	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
16	Nascent fusion pore opening monitored at single-SNAREpin resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	16
17	Vesicle capture by membrane-bound Munc13 requires self-assembly into discrete clusters. <i>FEBS Letters</i> , 2021, 595, 2185-2196.	2.8	15
18	Rearrangements under confinement lead to increased binding energy of Synaptotagmin with anionic membranes in Mg ²⁺ and Ca ²⁺ . <i>FEBS Letters</i> , 2018, 592, 1497-1506.	2.8	13

#	ARTICLE	IF	CITATIONS
19	A Quantitative Native Mass Spectrometry Platform for Deconstructing Hierarchical Organization of Membrane Proteins and Lipids. FASEB Journal, 2022, 36, .	0.5	0