

Reinhard Jahn

List of Publications by Year in descending order

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272
papers

40,231
citations

2671

95
h-index

2743

192
g-index

291
all docs

291
docs citations

291
times ranked

25371
citing authors

#	ARTICLE	IF	CITATIONS
1	SNAREs â€” engines for membrane fusion. <i>Nature Reviews Molecular Cell Biology</i> , 2006, 7, 631-643.	16.1	2,220
2	Crystal structure of a SNARE complex involved in synaptic exocytosis at 2.4-Å resolution. <i>Nature</i> , 1998, 395, 347-353.	13.7	2,191
3	Molecular Anatomy of a Trafficking Organelle. <i>Cell</i> , 2006, 127, 831-846.	13.5	1,985
4	Membrane Fusion. <i>Cell</i> , 2003, 112, 519-533.	13.5	1,336
5	Botulinum neurotoxin A selectively cleaves the synaptic protein SNAP-25. <i>Nature</i> , 1993, 365, 160-163.	13.7	1,145
6	Membrane Fusion and Exocytosis. <i>Annual Review of Biochemistry</i> , 1999, 68, 863-911.	5.0	1,136
7	STED microscopy reveals that synaptotagmin remains clustered after synaptic vesicle exocytosis. <i>Nature</i> , 2006, 440, 935-939.	13.7	1,031
8	Molecular machines governing exocytosis of synaptic vesicles. <i>Nature</i> , 2012, 490, 201-207.	13.7	830
9	Phospholipid binding by a synaptic vesicle protein homologous to the regulatory region of protein kinase C. <i>Nature</i> , 1990, 345, 260-263.	13.7	788
10	Identification of a vesicular glutamate transporter that defines a glutamatergic phenotype in neurons. <i>Nature</i> , 2000, 407, 189-194.	13.7	771
11	Structure and Conformational Changes in NSF and Its Membrane Receptor Complexes Visualized by Quick-Freeze/Deep-Etch Electron Microscopy. <i>Cell</i> , 1997, 90, 523-535.	13.5	747
12	Video-Rate Far-Field Optical Nanoscopy Dissects Synaptic Vesicle Movement. <i>Science</i> , 2008, 320, 246-249.	6.0	710
13	Vesicle fusion from yeast to man. <i>Nature</i> , 1994, 370, 191-193.	13.7	644
14	Proteins of synaptic vesicles involved in exocytosis and membrane recycling. <i>Neuron</i> , 1991, 6, 665-677.	3.8	530
15	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. <i>Neuron</i> , 2019, 103, 217-234.e4.	3.8	518
16	Membrane protein sequestering by ionic protein-lipid interactions. <i>Nature</i> , 2011, 479, 552-555.	13.7	515
17	Cellubrevin is a ubiquitous tetanus-toxin substrate homologous to a putative synaptic vesicle fusion protein. <i>Nature</i> , 1993, 364, 346-349.	13.7	489
18	Macromolecular-scale resolution in biological fluorescence microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11440-11445.	3.3	481

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19	Disruption of ClC-3, a Chloride Channel Expressed on Synaptic Vesicles, Leads to a Loss of the Hippocampus. <i>Neuron</i> , 2001, 29, 185-196.	3.8	480
20	A Broken α -Helix in Folded α -Synuclein. <i>Journal of Biological Chemistry</i> , 2003, 278, 15313-15318.	1.6	453
21	A small GTP-binding protein dissociates from synaptic vesicles during exocytosis. <i>Nature</i> , 1991, 349, 79-81.	13.7	438
22	Real-time measurement of transmitter release from single synaptic vesicles. <i>Nature</i> , 1995, 377, 62-65.	13.7	395
23	Neurotransmitter release α four years of SNARE complexes. <i>Current Opinion in Neurobiology</i> , 1997, 7, 310-315.	2.0	371
24	Helical extension of the neuronal SNARE complex into the membrane. <i>Nature</i> , 2009, 460, 525-528.	13.7	368
25	Identification of Differentiation-Associated Brain-Specific Phosphate Transporter as a Second Vesicular Glutamate Transporter (VGLUT2). <i>Journal of Neuroscience</i> , 2001, 21, RC182-RC182.	1.7	358
26	Ca ²⁺ Regulates the Interaction between Synaptotagmin and Syntaxin 1. <i>Journal of Biological Chemistry</i> , 1995, 270, 23667-23671.	1.6	338
27	Clostridial neurotoxins: new tools for dissecting exocytosis. <i>Trends in Cell Biology</i> , 1994, 4, 179-185.	3.6	326
28	Tetanus toxin action: Inhibition of neurotransmitter release linked to synaptobrevin proteolysis. <i>Biochemical and Biophysical Research Communications</i> , 1992, 189, 1017-1023.	1.0	316
29	Structural Changes Are Associated with Soluble N-Ethylmaleimide-sensitive Fusion Protein Attachment Protein Receptor Complex Formation. <i>Journal of Biological Chemistry</i> , 1997, 272, 28036-28041.	1.6	308
30	Inhibition of SNARE Complex Assembly Differentially Affects Kinetic Components of Exocytosis. <i>Cell</i> , 1999, 99, 713-722.	13.5	286
31	Synaptic vesicles immunisolated from rat cerebral cortex contain high levels of glutamate. <i>Neuron</i> , 1989, 3, 715-720.	3.8	273
32	Mixed and Non-cognate SNARE Complexes. <i>Journal of Biological Chemistry</i> , 1999, 274, 15440-15446.	1.6	271
33	A synaptic vesicle membrane protein is conserved from mammals to <i>Drosophila</i> . <i>Neuron</i> , 1989, 2, 1475-1481.	3.8	266
34	A Complete Genetic Analysis of Neuronal Rab3 Function. <i>Journal of Neuroscience</i> , 2004, 24, 6629-6637.	1.7	258
35	CASK Functions as a Mg ²⁺ -Independent Neurexin Kinase. <i>Cell</i> , 2008, 133, 328-339.	13.5	246
36	Phosphatidylinositol 4,5-bisphosphate clusters act as molecular beacons for vesicle recruitment. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 679-686.	3.6	246

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37	Structure of the ATP-dependent oligomerization domain of N-ethylmaleimide sensitive factor complexed with ATP. <i>Nature Structural Biology</i> , 1998, 5, 803-811.	9.7	240
38	Identification of a Minimal Core of the Synaptic SNARE Complex Sufficient for Reversible Assembly and Disassembly. <i>Biochemistry</i> , 1998, 37, 10354-10362.	1.2	239
39	Crystal structure of the endosomal SNARE complex reveals common structural principles of all SNAREs. <i>Nature Structural Biology</i> , 2002, 9, 107-111.	9.7	239
40	One SNARE complex is sufficient for membrane fusion. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 358-364.	3.6	233
41	Amino acid neurotransmission: spotlight on synaptic vesicles. <i>Trends in Neurosciences</i> , 1990, 13, 83-87.	4.2	226
42	Two-Color Far-Field Fluorescence Nanoscopy. <i>Biophysical Journal</i> , 2007, 92, L67-L69.	0.2	226
43	Local externalization of phosphatidylserine mediates developmental synaptic pruning by microglia. <i>EMBO Journal</i> , 2020, 39, e105380.	3.5	217
44	The 2018 biomembrane curvature and remodeling roadmap. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 343001.	1.3	212
45	Membrane Fusion Intermediates via Directional and Full Assembly of the SNARE Complex. <i>Science</i> , 2012, 336, 1581-1584.	6.0	210
46	Plasmalemmal Phosphatidylinositol-4,5-Bisphosphate Level Regulates the Releasable Vesicle Pool Size in Chromaffin Cells. <i>Journal of Neuroscience</i> , 2005, 25, 2557-2565.	1.7	208
47	The N-Ethylmaleimide-sensitive Fusion Protein and $\hat{I}\pm$ -SNAP Induce a Conformational Change in Syntaxin. <i>Journal of Biological Chemistry</i> , 1995, 270, 16955-16961.	1.6	200
48	16-BAC/SDS-PAGE: A Two-Dimensional Gel Electrophoresis System Suitable for the Separation of Integral Membrane Proteins. <i>Analytical Biochemistry</i> , 1996, 240, 126-133.	1.1	195
49	Quantal Release of Serotonin. <i>Neuron</i> , 2000, 28, 205-220.	3.8	194
50	Molecular cloning and functional characterization of human vesicular glutamate transporter 3. <i>EMBO Reports</i> , 2002, 3, 798-803.	2.0	194
51	Rab proteins in regulated exocytosis. <i>Trends in Biochemical Sciences</i> , 1994, 19, 164-168.	3.7	193
52	Synaptic targeting of rabphilin-3A, a synaptic vesicle Ca ²⁺ /phospholipid-binding protein, depends on rab3A/3C. <i>Neuron</i> , 1994, 13, 885-898.	3.8	193
53	Membrane fusion. <i>Current Opinion in Cell Biology</i> , 2002, 14, 488-495.	2.6	181
54	A Novel Function for the Second C2 Domain of Synaptotagmin. <i>Journal of Biological Chemistry</i> , 1996, 271, 5844-5849.	1.6	180

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55	GABA and glycine in synaptic vesicles: storage and transport characteristics. <i>Neuron</i> , 1991, 7, 287-293.	3.8	177
56	Determinants of liposome fusion mediated by synaptic SNARE proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2858-2863.	3.3	176
57	Imaging direct, dynamin-dependent recapture of fusing secretory granules on plasma membrane lawns from PC12 cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16806-16811.	3.3	171
58	The Synaptophysin-Synaptobrevin Complex: a Hallmark of Synaptic Vesicle Maturation. <i>Journal of Neuroscience</i> , 1999, 19, 1922-1931.	1.7	168
59	A Structural Change Occurs upon Binding of Syntaxin to SNAP-25. <i>Journal of Biological Chemistry</i> , 1997, 272, 4582-4590.	1.6	167
60	Selective Interaction of Complexin with the Neuronal SNARE Complex. <i>Journal of Biological Chemistry</i> , 2000, 275, 19808-19818.	1.6	162
61	Interaction of synaptotagmin with the cytoplasmic domains of neurexins. <i>Neuron</i> , 1993, 10, 307-315.	3.8	160
62	Immunoisolation of GABA-Specific Synaptic Vesicles Defines a Functionally Distinct Subset of Synaptic Vesicles. <i>Journal of Neuroscience</i> , 2000, 20, 4904-4911.	1.7	160
63	Quantitative Comparison of Glutamatergic and GABAergic Synaptic Vesicles Unveils Selectivity for Few Proteins Including MAL2, a Novel Synaptic Vesicle Protein. <i>Journal of Neuroscience</i> , 2010, 30, 2-12.	1.7	154
64	Synaptotagmin activates membrane fusion through a Ca ²⁺ -dependent trans interaction with phospholipids. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 904-911.	3.6	152
65	Two synaptobrevin molecules are sufficient for vesicle fusion in central nervous system synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14318-14323.	3.3	152
66	Storage and Uptake of d-Serine into Astrocytic Synaptic-Like Vesicles Specify Gliotransmission. <i>Journal of Neuroscience</i> , 2013, 33, 3413-3423.	1.7	148
67	Localization Versus Function of Rab3 Proteins. <i>Journal of Biological Chemistry</i> , 2002, 277, 40919-40929.	1.6	146
68	Botulinum neurotoxins C, E and F bind gangliosides via a conserved binding site prior to stimulation-dependent uptake with botulinum neurotoxin F utilising the three isoforms of SV2 as second receptor. <i>Journal of Neurochemistry</i> , 2009, 110, 1942-1954.	2.1	146
69	The R-SNARE Endobrevin/VAMP-8 Mediates Homotypic Fusion of Early Endosomes and Late Endosomes. <i>Molecular Biology of the Cell</i> , 2000, 11, 3289-3298.	0.9	145
70	SNAREs Prefer Liquid-disordered over Raft (Liquid-ordered) Domains When Reconstituted into Giant Unilamellar Vesicles. <i>Journal of Biological Chemistry</i> , 2004, 279, 37951-37955.	1.6	145
71	Export of Cellubrevin from the Endoplasmic Reticulum Is Controlled by BAP31. <i>Journal of Cell Biology</i> , 1997, 139, 1397-1410.	2.3	142
72	SNARE assembly and disassembly exhibit a pronounced hysteresis. <i>Nature Structural Biology</i> , 2002, 9, 144-151.	9.7	141

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73	The GTPase Rab26 links synaptic vesicles to the autophagy pathway. <i>ELife</i> , 2015, 4, e05597.	2.8	138
74	Methods for studying synaptosomal copper release. <i>Journal of Neuroscience Methods</i> , 2003, 128, 159-172.	1.3	135
75	Distinct Kinetic Changes in Neurotransmitter Release After SNARE Protein Cleavage. <i>Science</i> , 2005, 309, 491-494.	6.0	133
76	Molecular Profiling of Synaptic Vesicle Docking Sites Reveals Novel Proteins but Few Differences between Glutamatergic and GABAergic Synapses. <i>Neuron</i> , 2013, 78, 285-297.	3.8	130
77	Hydrophobic mismatch sorts SNARE proteins into distinct membrane domains. <i>Nature Communications</i> , 2015, 6, 5984.	5.8	130
78	The Ca ²⁺ Affinity of Synaptotagmin 1 Is Markedly Increased by a Specific Interaction of Its C2B Domain with Phosphatidylinositol 4,5-Bisphosphate. <i>Journal of Biological Chemistry</i> , 2009, 284, 25749-25760.	1.6	125
79	Synaptotagmin-1 may be a distance regulator acting upstream of SNARE nucleation. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 805-812.	3.6	125
80	The R-SNARE Motif of Tomosyn Forms SNARE Core Complexes with Syntaxin 1 and SNAP-25 and Down-regulates Exocytosis. <i>Journal of Biological Chemistry</i> , 2003, 278, 31159-31166.	1.6	122
81	Homotypic fusion of early endosomes: SNAREs do not determine fusion specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2701-2706.	3.3	122
82	Rapid and Selective Binding to the Synaptic SNARE Complex Suggests a Modulatory Role of Complexins in Neuroexocytosis. <i>Journal of Biological Chemistry</i> , 2002, 277, 7838-7848.	1.6	121
83	Rab3D Is Not Required for Exocrine Exocytosis but for Maintenance of Normally Sized Secretory Granules. <i>Molecular and Cellular Biology</i> , 2002, 22, 6487-6497.	1.1	121
84	Homo- and Heterooligomeric SNARE Complexes Studied by Site-directed Spin Labeling. <i>Journal of Biological Chemistry</i> , 2001, 276, 13169-13177.	1.6	115
85	Munc18-Bound Syntaxin Readily Forms SNARE Complexes with Synaptobrevin in Native Plasma Membranes. <i>PLoS Biology</i> , 2006, 4, e330.	2.6	113
86	NSF N-Terminal Domain Crystal Structure. <i>Molecular Cell</i> , 1999, 4, 97-107.	4.5	112
87	Phosphatidylinositol 4,5-Bisphosphate Increases Ca ²⁺ Affinity of Synaptotagmin-1 by 40-fold. <i>Journal of Biological Chemistry</i> , 2012, 287, 16447-16453.	1.6	112
88	Divergent Functions of Neuronal Rab11b in Ca ²⁺ -Regulated versus Constitutive Exocytosis. <i>Journal of Neuroscience</i> , 2003, 23, 10531-10539.	1.7	111
89	Synaptic and vesicular co-localization of the glutamate transporters VGLUT1 and VGLUT2 in the mouse hippocampus. <i>Journal of Neurochemistry</i> , 2006, 99, 1011-1018.	2.1	111
90	SNAREs in native plasma membranes are active and readily form core complexes with endogenous and exogenous SNAREs. <i>Journal of Cell Biology</i> , 2002, 158, 751-760.	2.3	108

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91	Core Proteins of the Secretory Machinery. Handbook of Experimental Pharmacology, 2008, , 107-127.	0.9	108
92	Synaptotagmin-1 binds to PIP2-containing membrane but not to SNAREs at physiological ionic strength. Nature Structural and Molecular Biology, 2015, 22, 815-823.	3.6	107
93	Sec1/Munc18 Proteins. Neuron, 2000, 27, 201-204.	3.8	102
94	Dynamic structure of lipid-bound synaptobrevin suggests a nucleation-propagation mechanism for trans-SNARE complex formation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20306-20311.	3.3	102
95	Subcellular Localization of Tetanus Neurotoxin-Insensitive Vesicle-Associated Membrane Protein (VAMP)/VAMP7 in Neuronal Cells: Evidence for a Novel Membrane Compartment. Journal of Neuroscience, 1999, 19, 9803-9812.	1.7	100
96	The riddle of the Sec1/Munc-18 proteins â€™ new twists added to their interactions with SNAREs. Trends in Biochemical Sciences, 2003, 28, 113-116.	3.7	98
97	Rabphilin regulates SNARE-dependent re-priming of synaptic vesicles for fusion. EMBO Journal, 2006, 25, 2856-2866.	3.5	98
98	rab3A attachment to the synaptic vesicle membrane mediated by a conserved polyisoprenylated carboxy-terminal sequence. Neuron, 1991, 7, 101-109.	3.8	97
99	A Cell-Free System for Regulated Exocytosis in Pc12 Cells. Journal of Cell Biology, 2000, 148, 317-324.	2.3	97
100	Kissâ€™run, Collapse and â€™Readily Retrievableâ€™™ Vesicles. Traffic, 2007, 8, 1137-1144.	1.3	97
101	The architecture of an excitatory synapse. Journal of Cell Science, 2010, 123, 819-823.	1.2	96
102	PtdInsP2 and PtdSer cooperate to trap synaptotagmin-1 to the plasma membrane in the presence of calcium. ELife, 2016, 5, .	2.8	93
103	Synaptic PI(3,4,5)P3 Is Required for Syntaxin1A Clustering and Neurotransmitter Release. Neuron, 2013, 77, 1097-1108.	3.8	91
104	Identification of SNAP-47, a Novel Qbc-SNARE with Ubiquitous Expression*. Journal of Biological Chemistry, 2006, 281, 17076-17083.	1.6	90
105	Synaptic Vesicle Traffic: Rush Hour in the Nerve Terminal. Journal of Neurochemistry, 1993, 61, 12-21.	2.1	89
106	Unique Luminal Localization of VGAT-C Terminus Allows for Selective Labeling of Active Cortical GABAergic Synapses. Journal of Neuroscience, 2008, 28, 13125-13131.	1.7	87
107	Quantitative Analysis of Synaptic Vesicle Rabs Uncovers Distinct Yet Overlapping Roles for Rab3a and Rab27b in Ca ²⁺ -Triggered Exocytosis. Journal of Neuroscience, 2010, 30, 13441-13453.	1.7	87
108	Rab3D Regulates a Novel Vesicular Trafficking Pathway That Is Required for Osteoclastic Bone Resorption. Molecular and Cellular Biology, 2005, 25, 5253-5269.	1.1	86

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109	Quantitation of nerve terminal populations: Synaptic vesicle-associated proteins as markers for synaptic density in the rat neostriatum. <i>Synapse</i> , 1988, 2, 516-520.	0.6	85
110	Synaptotagmin, a synaptic vesicle protein, is present in human cerebrospinal fluid. <i>Molecular and Chemical Neuropathology</i> , 1996, 27, 195-210.	1.0	85
111	SNAREs line up in new environment. <i>Nature</i> , 1998, 393, 14-15.	13.7	85
112	3D reconstruction of high-resolution STED microscope images. <i>Microscopy Research and Technique</i> , 2008, 71, 644-650.	1.2	85
113	Principles of Exocytosis and Membrane Fusion. <i>Annals of the New York Academy of Sciences</i> , 2004, 1014, 170-178.	1.8	84
114	A stable interaction between syntaxin 1a and synaptobrevin 2 mediated by their transmembrane domains. <i>FEBS Letters</i> , 1999, 446, 40-44.	1.3	82
115	The Subcellular Localizations of Atypical Synaptotagmins III and VI. <i>Journal of Biological Chemistry</i> , 1999, 274, 18290-18296.	1.6	82
116	The Secretory Granule Protein Syncollin Binds to Syntaxin in a Ca ²⁺ -Sensitive Manner. <i>Cell</i> , 1997, 90, 325-333.	13.5	81
117	Variable cooperativity in SNARE-mediated membrane fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12037-12042.	3.3	81
118	Alzheimer Amyloid Protein Precursor Is Localized in Nerve Terminal Preparations to Rab5-containing Vesicular Organelles Distinct from Those Implicated in the Synaptic Vesicle Pathway. <i>Journal of Biological Chemistry</i> , 1996, 271, 31783-31786.	1.6	77
119	Vesicle Tethering on the Surface of Phase-Separated Active Zone Condensates. <i>Molecular Cell</i> , 2021, 81, 13-24.e7.	4.5	77
120	Live cell imaging by multifocal multiphoton microscopy. <i>European Journal of Cell Biology</i> , 2000, 79, 726-734.	1.6	76
121	Fusion of Endosomes Involved in Synaptic Vesicle Recycling. <i>Molecular Biology of the Cell</i> , 1999, 10, 3035-3044.	0.9	75
122	Vesicular Glutamate Transporters Use Flexible Anion and Cation Binding Sites for Efficient Accumulation of Neurotransmitter. <i>Neuron</i> , 2014, 84, 1287-1301.	3.8	74
123	Specific Protein Phosphorylation during Stimulation of Amylase Secretion by beta-Agonists or Dibutyryl Adenosine 3',5'-Monophosphate in the Rat Parotid Gland. <i>FEBS Journal</i> , 1980, 112, 345-352.	0.2	73
124	Spring-loaded unraveling of a single SNARE complex by NSF in one round of ATP turnover. <i>Science</i> , 2015, 347, 1485-1489.	6.0	73
125	Fatty Acylation of Synaptotagmin in PC12 Cells and Synaptosomes. <i>Biochemical and Biophysical Research Communications</i> , 1996, 225, 326-332.	1.0	72
126	Discrimination between docking and fusion of liposomes reconstituted with neuronal SNARE-proteins using FCS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18575-18580.	3.3	72

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127	Single-vesicle imaging reveals different transport mechanisms between glutamatergic and GABAergic vesicles. <i>Science</i> , 2016, 351, 981-984.	6.0	72
128	Adrenocorticotrophic Hormone and alpha-Melanocyte-Stimulating Hormone Induce Secretion and Protein Phosphorylation in the Rat Lacrimal Gland by Activation of a cAMP-Dependent Pathway. <i>FEBS Journal</i> , 1982, 126, 623-629.	0.2	71
129	Early endosomal SNAREs form a structurally conserved SNARE complex and fuse liposomes with multiple topologies. <i>EMBO Journal</i> , 2007, 26, 9-18.	3.5	71
130	Molecular Mechanisms of Clostridial Neurotoxins. <i>Annals of the New York Academy of Sciences</i> , 1994, 733, 245-255.	1.8	70
131	Controlling synaptotagmin activity by electrostatic screening. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 991-997.	3.6	69
132	The Neuronal Monoamine Transporter VMAT2 Is Regulated by the Trimeric GTPase Go ₂ . <i>Journal of Neuroscience</i> , 2000, 20, 2131-2141.	1.7	68
133	Use of G-protein fusions to monitor integral membrane protein-protein interactions in yeast. <i>Nature Biotechnology</i> , 2000, 18, 1075-1079.	9.4	67
134	Synaptic Vesicles Are Constitutively Active Fusion Machines that Function Independently of Ca ²⁺ . <i>Current Biology</i> , 2008, 18, 715-722.	1.8	67
135	Synaptophysin immunoreactivity and small clear vesicles in neuroendocrine cells and related tumours. <i>Molecular and Cellular Probes</i> , 1987, 1, 367-381.	0.9	66
136	Distinct yet overlapping roles of Rab GTPases on synaptic vesicles. <i>Small GTPases</i> , 2011, 2, 77-81.	0.7	66
137	Localization of the Mouse 5-Hydroxytryptamine _{1A} Receptor in Lipid Microdomains Depends on Its Palmitoylation and Is Involved in Receptor-Mediated Signaling. <i>Molecular Pharmacology</i> , 2007, 72, 502-513.	1.0	65
138	The N-terminal Domains of Syntaxin 7 and vti1b Form Three-helix Bundles That Differ in Their Ability to Regulate SNARE Complex Assembly. <i>Journal of Biological Chemistry</i> , 2002, 277, 36449-36456.	1.6	63
139	Evidence for Early Endosome-like Fusion of Recently Endocytosed Synaptic Vesicles. <i>Traffic</i> , 2006, 7, 1163-1176.	1.3	62
140	SNAREs define targeting specificity of trafficking vesicles by combinatorial interaction with tethering factors. <i>Nature Communications</i> , 2019, 10, 1608.	5.8	62
141	VAMP3 is associated with endothelial Weibel-Palade bodies and participates in their Ca ²⁺ -dependent exocytosis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 1038-1044.	1.9	61
142	cis- and trans-membrane interactions of synaptotagmin-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11037-11042.	3.3	61
143	Molecular determinants of exocytosis. <i>Pflugers Archiv European Journal of Physiology</i> , 2002, 443, 333-338.	1.3	59
144	Small-scale isolation of synaptic vesicles from mammalian brain. <i>Nature Protocols</i> , 2013, 8, 998-1009.	5.5	59

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145	Plekhg5-regulated autophagy of synaptic vesicles reveals a pathogenic mechanism in motoneuron disease. <i>Nature Communications</i> , 2017, 8, 678.	5.8	59
146	Hidden proteome of synaptic vesicles in the mammalian brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 33586-33596.	3.3	59
147	Determinants of Synaptobrevin Regulation in Membranes. <i>Molecular Biology of the Cell</i> , 2007, 18, 2037-2046.	0.9	58
148	A dual function for Munc-18 in exocytosis of PC12 cells. <i>European Journal of Neuroscience</i> , 2005, 21, 2419-2432.	1.2	55
149	Ca ²⁺ induces clustering of membrane proteins in the plasma membrane via electrostatic interactions. <i>EMBO Journal</i> , 2011, 30, 1209-1220.	3.5	55
150	SNARE derived peptide mimic inducing membrane fusion. <i>Chemical Communications</i> , 2011, 47, 9405.	2.2	54
151	The cDNA and derived amino acid sequences for rat and human synaptophysin. <i>Nucleic Acids Research</i> , 1987, 15, 9607-9607.	6.5	51
152	Functions of Rab Proteins at Presynaptic Sites. <i>Cells</i> , 2016, 5, 7.	1.8	50
153	Inhibition of Transmitter Release Correlates with the Proteolytic Activity of Tetanus Toxin and Botulinus Toxin A in Individual Cultured Synapses of <i>Hirudo medicinalis</i> . <i>Journal of Neuroscience</i> , 1997, 17, 1898-1910.	1.7	49
154	Transmembrane Domain Peptide/Peptide Nucleic Acid Hybrid as a Model of a SNARE Protein in Vesicle Fusion. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8597-8601.	7.2	49
155	The specificity of SNARE pairing in biological membranes is mediated by both proof-reading and spatial segregation. <i>EMBO Journal</i> , 2007, 26, 3981-3992.	3.5	48
156	Evolution of CASK into a Mg ²⁺ -Sensitive Kinase. <i>Science Signaling</i> , 2010, 3, ra33.	1.6	48
157	Review: Progresses in understanding N-ethylmaleimide sensitive factor (NSF) mediated disassembly of SNARE complexes. <i>Biopolymers</i> , 2016, 105, 518-531.	1.2	48
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