

Reinhard Jahn

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37,630
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#	Paper	IF	Citations
264	Crystal structure of a SNARE complex involved in synaptic exocytosis at 2.4 Å resolution. <i>Nature</i> , 1998 , 395, 347-53	50.4	1929
263	SNAREs--engines for membrane fusion. <i>Nature Reviews Molecular Cell Biology</i> , 2006 , 7, 631-43	48.7	1842
262	Molecular anatomy of a trafficking organelle. <i>Cell</i> , 2006 , 127, 831-46	56.2	1670
261	Membrane fusion. <i>Cell</i> , 2003 , 112, 519-33	56.2	1227
260	Botulinum neurotoxin A selectively cleaves the synaptic protein SNAP-25. <i>Nature</i> , 1993 , 365, 160-3	50.4	1033
259	Membrane fusion and exocytosis. <i>Annual Review of Biochemistry</i> , 1999 , 68, 863-911	29.1	1029
258	STED microscopy reveals that synaptotagmin remains clustered after synaptic vesicle exocytosis. <i>Nature</i> , 2006 , 440, 935-9	50.4	851
257	Phospholipid binding by a synaptic vesicle protein homologous to the regulatory region of protein kinase C. <i>Nature</i> , 1990 , 345, 260-3	50.4	735
256	Identification of a vesicular glutamate transporter that defines a glutamatergic phenotype in neurons. <i>Nature</i> , 2000 , 407, 189-94	50.4	703
255	Molecular machines governing exocytosis of synaptic vesicles. <i>Nature</i> , 2012 , 490, 201-7	50.4	668
254	Structure and conformational changes in NSF and its membrane receptor complexes visualized by quick-freeze/deep-etch electron microscopy. <i>Cell</i> , 1997 , 90, 523-35	56.2	667
253	Video-rate far-field optical nanoscopy dissects synaptic vesicle movement. <i>Science</i> , 2008 , 320, 246-9	33.3	612
252	Vesicle fusion from yeast to man. <i>Nature</i> , 1994 , 370, 191-3	50.4	599
251	Proteins of synaptic vesicles involved in exocytosis and membrane recycling. <i>Neuron</i> , 1991 , 6, 665-77	13.9	499
250	Cellubrevin is a ubiquitous tetanus-toxin substrate homologous to a putative synaptic vesicle fusion protein. <i>Nature</i> , 1993 , 364, 346-9	50.4	448
249	Disruption of CLC-3, a chloride channel expressed on synaptic vesicles, leads to a loss of the hippocampus. <i>Neuron</i> , 2001 , 29, 185-96	13.9	435
248	Membrane protein sequestering by ionic protein-lipid interactions. <i>Nature</i> , 2011 , 479, 552-5	50.4	420

247	A small GTP-binding protein dissociates from synaptic vesicles during exocytosis. <i>Nature</i> , 1991 , 349, 79-81	50.4	419
246	Macromolecular-scale resolution in biological fluorescence microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 11440-5	11.5	404
245	A broken alpha -helix in folded alpha -Synuclein. <i>Journal of Biological Chemistry</i> , 2003 , 278, 15313-8	5.4	376
244	Real-time measurement of transmitter release from single synaptic vesicles. <i>Nature</i> , 1995 , 377, 62-5	50.4	357
243	Neurotransmitter release - four years of SNARE complexes. <i>Current Opinion in Neurobiology</i> , 1997 , 7, 310-5	7.6	340
242	Identification of differentiation-associated brain-specific phosphate transporter as a second vesicular glutamate transporter (VGLUT2). <i>Journal of Neuroscience</i> , 2001 , 21, RC182	6.6	325
241	Helical extension of the neuronal SNARE complex into the membrane. <i>Nature</i> , 2009 , 460, 525-8	50.4	311
240	Ca ²⁺ regulates the interaction between synaptotagmin and syntaxin 1. <i>Journal of Biological Chemistry</i> , 1995 , 270, 23667-71	5.4	309
239	Clostridial neurotoxins: new tools for dissecting exocytosis. <i>Trends in Cell Biology</i> , 1994 , 4, 179-85	18.3	306
238	Structural changes are associated with soluble N-ethylmaleimide-sensitive fusion protein attachment protein receptor complex formation. <i>Journal of Biological Chemistry</i> , 1997 , 272, 28036-41	5.4	269
237	Tetanus toxin action: inhibition of neurotransmitter release linked to synaptobrevin proteolysis. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 189, 1017-23	3.4	262
236	Inhibition of SNARE complex assembly differentially affects kinetic components of exocytosis. <i>Cell</i> , 1999 , 99, 713-22	56.2	255
235	A synaptic vesicle membrane protein is conserved from mammals to Drosophila. <i>Neuron</i> , 1989 , 2, 1475-81	13.9	252
234	Synaptic vesicles immunoisolated from rat cerebral cortex contain high levels of glutamate. <i>Neuron</i> , 1989 , 3, 715-20	13.9	248
233	Mixed and non-cognate SNARE complexes. Characterization of assembly and biophysical properties. <i>Journal of Biological Chemistry</i> , 1999 , 274, 15440-6	5.4	241
232	Structure of the ATP-dependent oligomerization domain of N-ethylmaleimide sensitive factor complexed with ATP. <i>Nature Structural Biology</i> , 1998 , 5, 803-11		215
231	A complete genetic analysis of neuronal Rab3 function. <i>Journal of Neuroscience</i> , 2004 , 24, 6629-37	6.6	213
230	Identification of a minimal core of the synaptic SNARE complex sufficient for reversible assembly and disassembly. <i>Biochemistry</i> , 1998 , 37, 10354-62	3.2	210

229	Crystal structure of the endosomal SNARE complex reveals common structural principles of all SNAREs. <i>Nature Structural Biology</i> , 2002 , 9, 107-11		207
228	Amino acid neurotransmission: spotlight on synaptic vesicles. <i>Trends in Neurosciences</i> , 1990 , 13, 83-7	13.3	206
227	Two-color far-field fluorescence nanoscopy. <i>Biophysical Journal</i> , 2007 , 92, L67-9	2.9	205
226	CASK Functions as a Mg ²⁺ -independent neurexin kinase. <i>Cell</i> , 2008 , 133, 328-39	56.2	204
225	One SNARE complex is sufficient for membrane fusion. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 358-64	17.6	203
224	The N-ethylmaleimide-sensitive fusion protein and alpha-SNAP induce a conformational change in syntaxin. <i>Journal of Biological Chemistry</i> , 1995 , 270, 16955-61	5.4	185
223	Phosphatidylinositol 4,5-bisphosphate clusters act as molecular beacons for vesicle recruitment. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 679-86	17.6	184
222	Plasmalemmal phosphatidylinositol-4,5-bisphosphate level regulates the releasable vesicle pool size in chromaffin cells. <i>Journal of Neuroscience</i> , 2005 , 25, 2557-65	6.6	181
221	Synaptic targeting of rabphilin-3A, a synaptic vesicle Ca ²⁺ /phospholipid-binding protein, depends on rab3A/3C. <i>Neuron</i> , 1994 , 13, 885-98	13.9	181
220	16-BAC/SDS-PAGE: a two-dimensional gel electrophoresis system suitable for the separation of integral membrane proteins. <i>Analytical Biochemistry</i> , 1996 , 240, 126-33	3.1	180
219	Rab proteins in regulated exocytosis. <i>Trends in Biochemical Sciences</i> , 1994 , 19, 164-8	10.3	179
218	Molecular cloning and functional characterization of human vesicular glutamate transporter 3. <i>EMBO Reports</i> , 2002 , 3, 798-803	6.5	178
217	Quantal release of serotonin. <i>Neuron</i> , 2000 , 28, 205-20	13.9	173
216	Membrane fusion intermediates via directional and full assembly of the SNARE complex. <i>Science</i> , 2012 , 336, 1581-4	33.3	168
215	Membrane fusion. <i>Current Opinion in Cell Biology</i> , 2002 , 14, 488-95	9	167
214	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, 2858-63	11.5	164
213	A novel function for the second C2 domain of synaptotagmin. Ca ²⁺ -triggered dimerization. <i>Journal of Biological Chemistry</i> , 1996 , 271, 5844-9	5.4	162
212	GABA and glycine in synaptic vesicles: storage and transport characteristics. <i>Neuron</i> , 1991 , 7, 287-93	13.9	155

211	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, 16806-11	11.5	149
210	Immunoisolation of GABA-specific synaptic vesicles defines a functionally distinct subset of synaptic vesicles. <i>Journal of Neuroscience</i> , 2000 , 20, 4904-11	6.6	148
209	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. <i>Neuron</i> , 2019 , 103, 217-234	13.9	147
208	The synaptophysin-synaptobrevin complex: a hallmark of synaptic vesicle maturation. <i>Journal of Neuroscience</i> , 1999 , 19, 1922-31	6.6	147
207	Interaction of synaptotagmin with the cytoplasmic domains of neurexins. <i>Neuron</i> , 1993 , 10, 307-15	13.9	146
206	A structural change occurs upon binding of syntaxin to SNAP-25. <i>Journal of Biological Chemistry</i> , 1997 , 272, 4582-90	5.4	137
205	Synaptotagmin activates membrane fusion through a Ca ²⁺ -dependent trans interaction with phospholipids. <i>Nature Structural and Molecular Biology</i> , 2007 , 14, 904-11	17.6	137
204	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, 1942-54	6	134
203	Selective interaction of complexin with the neuronal SNARE complex. Determination of the binding regions. <i>Journal of Biological Chemistry</i> , 2000 , 275, 19808-18	5.4	134
202	The 2018 biomembrane curvature and remodeling roadmap. <i>Journal Physics D: Applied Physics</i> , 2018 , 51,	3	133
201	SNAREs prefer liquid-disordered over "raft" (liquid-ordered) domains when reconstituted into giant unilamellar vesicles. <i>Journal of Biological Chemistry</i> , 2004 , 279, 37951-5	5.4	132
200	The R-SNARE endobrevin/VAMP-8 mediates homotypic fusion of early endosomes and late endosomes. <i>Molecular Biology of the Cell</i> , 2000 , 11, 3289-98	3.5	129
199	Localization versus function of Rab3 proteins. Evidence for a common regulatory role in controlling fusion. <i>Journal of Biological Chemistry</i> , 2002 , 277, 40919-29	5.4	127
198	Export of cellubrevin from the endoplasmic reticulum is controlled by BAP31. <i>Journal of Cell Biology</i> , 1997 , 139, 1397-410	7.3	126
197	Methods for studying synaptosomal copper release. <i>Journal of Neuroscience Methods</i> , 2003 , 128, 159-72	3	126
196	Storage and uptake of D-serine into astrocytic synaptic-like vesicles specify gliotransmission. <i>Journal of Neuroscience</i> , 2013 , 33, 3413-23	6.6	125
195	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	6.6	125
194	SNARE assembly and disassembly exhibit a pronounced hysteresis. <i>Nature Structural Biology</i> , 2002 , 9, 144-51		124

193	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, 14318-23	11.5	122
192	Distinct kinetic changes in neurotransmitter release after SNARE protein cleavage. <i>Science</i> , 2005 , 309, 491-4	33.3	120
191	The GTPase Rab26 links synaptic vesicles to the autophagy pathway. <i>ELife</i> , 2015 , 4, e05597	8.9	108
190	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, 2701-6	11.5	108
189	Rab3D is not required for exocrine exocytosis but for maintenance of normally sized secretory granules. <i>Molecular and Cellular Biology</i> , 2002 , 22, 6487-97	4.8	105
188	NSF N-terminal domain crystal structure: models of NSF function. <i>Molecular Cell</i> , 1999 , 4, 97-107	17.6	104
187	Molecular profiling of synaptic vesicle docking sites reveals novel proteins but few differences between glutamatergic and GABAergic synapses. <i>Neuron</i> , 2013 , 78, 285-97	13.9	103
186	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, 7838-48	5.4	103
185	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, 31159-66	5.4	101
184	Divergent functions of neuronal Rab11b in Ca ²⁺ -regulated versus constitutive exocytosis. <i>Journal of Neuroscience</i> , 2003 , 23, 10531-9	6.6	99
183	Munc18-bound syntaxin readily forms SNARE complexes with synaptobrevin in native plasma membranes. <i>PLoS Biology</i> , 2006 , 4, e330	9.7	99
182	Synaptotagmin-1 may be a distance regulator acting upstream of SNARE nucleation. <i>Nature Structural and Molecular Biology</i> , 2011 , 18, 805-12	17.6	98
181	Homo- and heterooligomeric SNARE complexes studied by site-directed spin labeling. <i>Journal of Biological Chemistry</i> , 2001 , 276, 13169-77	5.4	98
180	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, 751-60	7.3	97
179	Synaptic and vesicular co-localization of the glutamate transporters VGLUT1 and VGLUT2 in the mouse hippocampus. <i>Journal of Neurochemistry</i> , 2006 , 99, 1011-8	6	95
178	Sec1/Munc18 proteins: mediators of membrane fusion moving to center stage. <i>Neuron</i> , 2000 , 27, 201-4	13.9	95
177	Subcellular localization of tetanus neurotoxin-insensitive vesicle-associated membrane protein (VAMP)/VAMP7 in neuronal cells: evidence for a novel membrane compartment. <i>Journal of Neuroscience</i> , 1999 , 19, 9803-12	6.6	93
176	Core proteins of the secretory machinery. <i>Handbook of Experimental Pharmacology</i> , 2008 , 107-27	3.2	92

175	rab3A attachment to the synaptic vesicle membrane mediated by a conserved polyisoprenylated carboxy-terminal sequence. <i>Neuron</i> , 1991 , 7, 101-9	13.9	91
174	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, 25749-60	5.4	90
173	The riddle of the Sec1/Munc-18 proteins - new twists added to their interactions with SNAREs. <i>Trends in Biochemical Sciences</i> , 2003 , 28, 113-6	10.3	90
172	A cell-free system for regulated exocytosis in PC12 cells. <i>Journal of Cell Biology</i> , 2000 , 148, 317-24	7.3	90
171	Hydrophobic mismatch sorts SNARE proteins into distinct membrane domains. <i>Nature Communications</i> , 2015 , 6, 5984	17.4	89
170	Kiss-and-run, collapse and Readily retrievable vesicles. <i>Traffic</i> , 2007 , 8, 1137-44	5.7	88
169	Rabphilin regulates SNARE-dependent re-priming of synaptic vesicles for fusion. <i>EMBO Journal</i> , 2006 , 25, 2856-66	13	88
168	Synaptic vesicle traffic: rush hour in the nerve terminal. <i>Journal of Neurochemistry</i> , 1993 , 61, 12-21	6	88
167	Phosphatidylinositol 4,5-bisphosphate increases Ca ²⁺ affinity of synaptotagmin-1 by 40-fold. <i>Journal of Biological Chemistry</i> , 2012 , 287, 16447-53	5.4	86
166	Quantitation of nerve terminal populations: synaptic vesicle-associated proteins as markers for synaptic density in the rat neostriatum. <i>Synapse</i> , 1988 , 2, 516-20	2.4	82
165	Dynamic structure of lipid-bound synaptobrevin suggests a nucleation-propagation mechanism for trans-SNARE complex formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 20306-11	11.5	81
164	The secretory granule protein syncollin binds to syntaxin in a Ca ²⁺ (+)-sensitive manner. <i>Cell</i> , 1997 , 90, 325-33	56.2	79
163	Principles of exocytosis and membrane fusion. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1014, 170-8	6.5	77
162	Identification of SNAP-47, a novel Qbc-SNARE with ubiquitous expression. <i>Journal of Biological Chemistry</i> , 2006 , 281, 17076-17083	5.4	76
161	Rab3D regulates a novel vesicular trafficking pathway that is required for osteoclastic bone resorption. <i>Molecular and Cellular Biology</i> , 2005 , 25, 5253-69	4.8	76
160	Synaptic PI(3,4,5)P3 is required for Syntaxin1A clustering and neurotransmitter release. <i>Neuron</i> , 2013 , 77, 1097-108	13.9	75
159	3D reconstruction of high-resolution STED microscope images. <i>Microscopy Research and Technique</i> , 2008 , 71, 644-50	2.8	75
158	Synaptotagmin, a synaptic vesicle protein, is present in human cerebrospinal fluid: a new biochemical marker for synaptic pathology in Alzheimer disease?. <i>Molecular and Chemical Neuropathology</i> , 1996 , 27, 195-210		75

157	Local externalization of phosphatidylserine mediates developmental synaptic pruning by microglia. <i>EMBO Journal</i> , 2020 , 39, e105380	13	75
156	Fusion of endosomes involved in synaptic vesicle recycling. <i>Molecular Biology of the Cell</i> , 1999 , 10, 3035-44	4.5	72
155	Unique luminal localization of VGAT-C terminus allows for selective labeling of active cortical GABAergic synapses. <i>Journal of Neuroscience</i> , 2008 , 28, 13125-31	6.6	71
154	A stable interaction between syntaxin 1a and synaptobrevin 2 mediated by their transmembrane domains. <i>FEBS Letters</i> , 1999 , 446, 40-4	3.8	70
153	The architecture of an excitatory synapse. <i>Journal of Cell Science</i> , 2010 , 123, 819-23	5.3	69
152	Fatty acylation of synaptotagmin in PC12 cells and synaptosomes. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 225, 326-32	3.4	68
151	Quantitative analysis of synaptic vesicle Rabs uncovers distinct yet overlapping roles for Rab3a and Rab27b in Ca ²⁺ -triggered exocytosis. <i>Journal of Neuroscience</i> , 2010 , 30, 13441-53	6.6	67
150	The subcellular localizations of atypical synaptotagmins III and VI. Synaptotagmin III is enriched in synapses and synaptic plasma membranes but not in synaptic vesicles. <i>Journal of Biological Chemistry</i> , 1999 , 274, 18290-6	5.4	67
149	Specific protein phosphorylation during stimulation of amylase secretion by beta-agonists or dibutyryl adenosine 3',5'-cyclic monophosphate in the rat parotid gland. <i>FEBS Journal</i> , 1980 , 112, 345-52		67
148	Synaptotagmin-1 binds to PIP(2)-containing membrane but not to SNAREs at physiological ionic strength. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 815-23	17.6	66
147	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, 31783-6	5.4	66
146	Variable cooperativity in SNARE-mediated membrane fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12037-42	11.5	65
145	Live cell imaging by multifocal multiphoton microscopy. <i>European Journal of Cell Biology</i> , 2000 , 79, 726-34	3.1	65
144	The neuronal monoamine transporter VMAT2 is regulated by the trimeric GTPase Go(2). <i>Journal of Neuroscience</i> , 2000 , 20, 2131-41	6.6	64
143	Molecular mechanisms of clostridial neurotoxins. <i>Annals of the New York Academy of Sciences</i> , 1994 , 733, 245-55	6.5	64
142	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, 623-9		63
141	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, 18575-80	11.5	62
140	Use of G-protein fusions to monitor integral membrane protein-protein interactions in yeast. <i>Nature Biotechnology</i> , 2000 , 18, 1075-9	44.5	62

139	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, 502-13	4.3	61
138	Spring-loaded unraveling of a single SNARE complex by NSF in one round of ATP turnover. <i>Science</i> , 2015 , 347, 1485-9	33.3	60
137	Vesicular glutamate transporters use flexible anion and cation binding sites for efficient accumulation of neurotransmitter. <i>Neuron</i> , 2014 , 84, 1287-301	13.9	60
136	Synaptic vesicles are constitutively active fusion machines that function independently of Ca ²⁺ . <i>Current Biology</i> , 2008 , 18, 715-722	6.3	59
135	Early endosomal SNAREs form a structurally conserved SNARE complex and fuse liposomes with multiple topologies. <i>EMBO Journal</i> , 2007 , 26, 9-18	13	59
134	Synaptophysin immunoreactivity and small clear vesicles in neuroendocrine cells and related tumours. <i>Molecular and Cellular Probes</i> , 1987 , 1, 367-81	3.3	56
133	PtdInsP and PtdSer cooperate to trap synaptotagmin-1 to the plasma membrane in the presence of calcium. <i>ELife</i> , 2016 , 5,	8.9	55
132	Molecular determinants of exocytosis. <i>Pflugers Archiv European Journal of Physiology</i> , 2002 , 443, 333-8	4.6	54
131	Controlling synaptotagmin activity by electrostatic screening. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 991-7	17.6	53
130	Determinants of synaptobrevin regulation in membranes. <i>Molecular Biology of the Cell</i> , 2007 , 18, 2037-46	5.5	53
129	Evidence for early endosome-like fusion of recently endocytosed synaptic vesicles. <i>Traffic</i> , 2006 , 7, 1163-76	5.7	52
128	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, 36449-56	5.4	51
127	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, 11037-42	11.5	50
126	Distinct yet overlapping roles of Rab GTPases on synaptic vesicles. <i>Small GTPases</i> , 2011 , 2, 77-81	2.7	48
125	Ca ²⁺ induces clustering of membrane proteins in the plasma membrane via electrostatic interactions. <i>EMBO Journal</i> , 2011 , 30, 1209-20	13	47
124	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, 1038-44	4.9	47
123	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, 1898-910	6.6	47
122	A dual function for Munc-18 in exocytosis of PC12 cells. <i>European Journal of Neuroscience</i> , 2005 , 21, 2419-32	3.32	47

121	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, 8597-601	16.4	45
120	Single-vesicle imaging reveals different transport mechanisms between glutamatergic and GABAergic vesicles. <i>Science</i> , 2016 , 351, 981-4	33.3	44
119	SNARE derived peptide mimic inducing membrane fusion. <i>Chemical Communications</i> , 2011 , 47, 9405-7	5.8	44
118	Endobrevin/VAMP8 mediates exocytotic release of hexosaminidase from rat basophilic leukaemia cells. <i>FEBS Letters</i> , 2007 , 581, 3479-84	3.8	43
117	The cDNA and derived amino acid sequences for rat and human synaptophysin. <i>Nucleic Acids Research</i> , 1987 , 15, 9607	20.1	43
116	The specificity of SNARE pairing in biological membranes is mediated by both proof-reading and spatial segregation. <i>EMBO Journal</i> , 2007 , 26, 3981-92	13	42
115	Reinvestigation of the role of snapin in neurotransmitter release. <i>Journal of Biological Chemistry</i> , 2004 , 279, 26251-6	5.4	42
114	Sorting in early endosomes reveals connections to docking- and fusion-associated factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 9697-702	11.5	41
113	Reconstitution of regulated exocytosis in cell-free systems: a critical appraisal. <i>Annual Review of Physiology</i> , 1999 , 61, 777-807	23.1	40
112	Plekhg5-regulated autophagy of synaptic vesicles reveals a pathogenic mechanism in motoneuron disease. <i>Nature Communications</i> , 2017 , 8, 678	17.4	39
111	Small-scale isolation of synaptic vesicles from mammalian brain. <i>Nature Protocols</i> , 2013 , 8, 998-1009	18.8	37
110	Evolution of CASK into a Mg ²⁺ -sensitive kinase. <i>Science Signaling</i> , 2010 , 3, ra33	8.8	37
109	A novel site of action for alpha-SNAP in the SNARE conformational cycle controlling membrane fusion. <i>Molecular Biology of the Cell</i> , 2008 , 19, 776-84	3.5	37
108	Galphao2 regulates vesicular glutamate transporter activity by changing its chloride dependence. <i>Journal of Neuroscience</i> , 2005 , 25, 4672-80	6.6	37
107	Structure parameters of synaptic vesicles quantified by small-angle x-ray scattering. <i>Biophysical Journal</i> , 2010 , 98, 1200-8	2.9	36
106	Endosomal fusion upon SNARE knockdown is maintained by residual SNARE activity and enhanced docking. <i>Traffic</i> , 2009 , 10, 1543-59	5.7	36
105	Review: Progresses in understanding N-ethylmaleimide sensitive factor (NSF) mediated disassembly of SNARE complexes. <i>Biopolymers</i> , 2016 , 105, 518-31	2.2	36
104	SNAREs define targeting specificity of trafficking vesicles by combinatorial interaction with tethering factors. <i>Nature Communications</i> , 2019 , 10, 1608	17.4	35

103	Functions of Rab Proteins at Presynaptic Sites. <i>Cells</i> , 2016 , 5,	7.9	35
102	Control of membrane gaps by synaptotagmin-Ca ²⁺ measured with a novel membrane distance ruler. <i>Nature Communications</i> , 2014 , 5, 5859	17.4	34
101	Rapid fusion of synaptic vesicles with reconstituted target SNARE membranes. <i>Biophysical Journal</i> , 2013 , 104, 1950-8	2.9	34
100	The Habc domain and the SNARE core complex are connected by a highly flexible linker. <i>Biochemistry</i> , 2003 , 42, 4009-14	3.2	34
99	A convenient protocol for generating giant unilamellar vesicles containing SNARE proteins using electroformation. <i>Scientific Reports</i> , 2018 , 8, 9422	4.9	33
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