

Reinhard Jahn

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

264
papers

34,171
citations

90
h-index

182
g-index

291
ext. papers

37,630
ext. citations

12.5
avg, IF

7.18
L-index

#	Paper	IF	Citations
264	Isolation of Synaptic Vesicles from Mammalian Brain.. <i>Methods in Molecular Biology</i> , 2022 , 2417, 131-145	1.4	0
263	SNARE proteins: zip codes in vesicle targeting?. <i>Biochemical Journal</i> , 2022 , 479, 273-288	3.8	2
262	Identification of distinct cytotoxic granules as the origin of supramolecular attack particles in T lymphocytes.. <i>Nature Communications</i> , 2022 , 13, 1029	17.4	6
261	Selected tools to visualize membrane interactions. <i>European Biophysics Journal</i> , 2021 , 50, 211-222	1.9	1
260	Extreme parsimony in ATP consumption by 20S complexes in the global disassembly of single SNARE complexes. <i>Nature Communications</i> , 2021 , 12, 3206	17.4	5
259	Coordinated bi-directional trafficking of synaptic vesicle and active zone proteins in peripheral nerves. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 559, 92-98	3.4	1
258	Tight docking of membranes before fusion represents a metastable state with unique properties. <i>Nature Communications</i> , 2021 , 12, 3606	17.4	3
257	Vesicle Tethering on the Surface of Phase-Separated Active Zone Condensates. <i>Molecular Cell</i> , 2021 , 81, 13-24.e7	17.6	21
256	Vesicular Glutamate Transporters (SLCA17 A6, 7, 8) Control Synaptic Phosphate Levels. <i>Cell Reports</i> , 2021 , 34, 108623	10.6	3
255	Characterization of PROPPIN-Phosphoinositide Binding by Stopped-Flow Fluorescence Spectroscopy. <i>Methods in Molecular Biology</i> , 2021 , 2251, 205-214	1.4	
254	Cross-linking mass spectrometry uncovers protein interactions and functional assemblies in synaptic vesicle membranes. <i>Nature Communications</i> , 2021 , 12, 858	17.4	14
253	En route to dynamic life processes by SNARE-mediated fusion of polymer and hybrid membranes. <i>Nature Communications</i> , 2021 , 12, 4972	17.4	10
252	An overview of the synaptic vesicle lipid composition. <i>Archives of Biochemistry and Biophysics</i> , 2021 , 709, 108966	4.1	4
251	Protein Phosphorylation in Depolarized Synaptosomes: Dissecting Primary Effects of Calcium from Synaptic Vesicle Cycling. <i>Molecular and Cellular Proteomics</i> , 2021 , 20, 100061	7.6	2
250	Differential Diffusional Properties in Loose and Tight Docking Prior to Membrane Fusion. <i>Biophysical Journal</i> , 2020 , 119, 2431-2439	2.9	1
249	PI(4,5)P-dependent regulation of exocytosis by amisyn, the vertebrate-specific competitor of synaptobrevin 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 13468-13479	11.5	2
248	Isolation of large dense-core vesicles from bovine adrenal medulla for functional studies. <i>Scientific Reports</i> , 2020 , 10, 7540	4.9	3

247	Local externalization of phosphatidylserine mediates developmental synaptic pruning by microglia. <i>EMBO Journal</i> , 2020 , 39, e105380	13	75
246	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	11.5	17
245	In vitro fusion of single synaptic and dense core vesicles reproduces key physiological properties. <i>Nature Communications</i> , 2019 , 10, 3904	17.4	17
244	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. <i>Neuron</i> , 2019 , 103, 217-234	13.9	147
243	Structural dynamics and transient lipid binding of synaptobrevin-2 tune SNARE assembly and membrane fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 8699-8708	11.5	13
242	SNAREs define targeting specificity of trafficking vesicles by combinatorial interaction with tethering factors. <i>Nature Communications</i> , 2019 , 10, 1608	17.4	35
241	Elevated synaptic vesicle release probability in synaptophysin/gyrin family quadruple knockouts. <i>ELife</i> , 2019 , 8,	8.9	16
240	The Na ⁺ /H ⁺ Exchanger Nhe1 Modulates Network Excitability via GABA Release. <i>Cerebral Cortex</i> , 2019 , 29, 4263-4276	5.1	7
239	SNARE-Mediated Fusion of Single Chromaffin Granules with Pore-Spanning Membranes. <i>Biophysical Journal</i> , 2019 , 116, 308-318	2.9	3
238	Vesicle Adhesion and Fusion Studied by Small-Angle X-Ray Scattering. <i>Biophysical Journal</i> , 2018 , 114, 1908-1920	2.9	27
237	Arrest of -SNARE zippering uncovers loosely and tightly docked intermediates in membrane fusion. <i>Journal of Biological Chemistry</i> , 2018 , 293, 8645-8655	5.4	19
236	Dual and Direction-Selective Mechanisms of Phosphate Transport by the Vesicular Glutamate Transporter. <i>Cell Reports</i> , 2018 , 23, 535-545	10.6	13
235	A convenient protocol for generating giant unilamellar vesicles containing SNARE proteins using electroformation. <i>Scientific Reports</i> , 2018 , 8, 9422	4.9	33
234	The 2018 biomembrane curvature and remodeling roadmap. <i>Journal Physics D: Applied Physics</i> , 2018 , 51,	3	133
233	PNA Hybrid Sequences as Recognition Units in SNARE-Protein-Mimicking Peptides. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14932-14936	16.4	6
232	PNA-Hybridsequenzen als Erkennungseinheiten in SNARE-Protein-analogen Peptiden. <i>Angewandte Chemie</i> , 2018 , 130, 15148-15152	3.6	
231	Reconstitution of SNARE proteins into solid-supported lipid bilayer stacks and X-ray structure analysis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 566-578	3.8	6
230	Clathrin coat controls synaptic vesicle acidification by blocking vacuolar ATPase activity. <i>ELife</i> , 2018 , 7,	8.9	26

229	Rapid SNARE-Mediated Fusion of Liposomes and Chromaffin Granules with Giant Unilamellar Vesicles. <i>Biophysical Journal</i> , 2017 , 113, 1251-1259	2.9	17
228	An activated Q-SNARE/SM protein complex as a possible intermediate in SNARE assembly. <i>EMBO Journal</i> , 2017 , 36, 1788-1802	13	25
227	Proton electrochemical gradient: Driving and regulating neurotransmitter uptake. <i>BioEssays</i> , 2017 , 39, 1600240	4.1	18
226	Plekhg5-regulated autophagy of synaptic vesicles reveals a pathogenic mechanism in motoneuron disease. <i>Nature Communications</i> , 2017 , 8, 678	17.4	39
225	Probing and manipulating intracellular membrane traffic by microinjection of artificial vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E9883-E9892	11.5	14
224	Membrane tension increases fusion efficiency of model membranes in the presence of SNAREs. <i>Scientific Reports</i> , 2017 , 7, 12070	4.9	25
223	Reconstitution of calcium-mediated exocytosis of dense-core vesicles. <i>Science Advances</i> , 2017 , 3, e1603203	20.3	30
222	Direct targeting of membrane fusion by SNARE mimicry: Convergent evolution of Legionella effectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8807-12	11.5	24
221	Molecular Regulation of Synaptic Release 2016 , 423-474		
220	Total Synthesis of Dansylated ParkB Nucleotide for High-Throughput MraY Assays. <i>Chemistry - A European Journal</i> , 2016 , 22, 17813-17819	4.8	14
219	SNARE-mediated membrane fusion trajectories derived from force-clamp experiments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13051-13056	11.5	20
218	Distance Regulated Vesicle Fusion and Docking Mediated by Peptide Nucleic Acid SNARE Protein Analogues. <i>ChemBioChem</i> , 2016 , 17, 479-85	3.8	14
217	Role of the transmembrane domain in SNARE protein mediated membrane fusion: peptide nucleic acid/peptide model systems. <i>Molecular BioSystems</i> , 2016 , 12, 2770-6		16
216	Single-vesicle imaging reveals different transport mechanisms between glutamatergic and GABAergic vesicles. <i>Science</i> , 2016 , 351, 981-4	33.3	44
215	Calcium Promotes the Formation of Syntaxin 1 Mesoscale Domains through Phosphatidylinositol 4,5-Bisphosphate. <i>Journal of Biological Chemistry</i> , 2016 , 291, 7868-76	5.4	20
214	Analysis of protein phosphorylation in nerve terminal reveals extensive changes in active zone proteins upon exocytosis. <i>ELife</i> , 2016 , 5,	8.9	24
213	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
212	Functions of Rab Proteins at Presynaptic Sites. <i>Cells</i> , 2016 , 5,	7.9	35

211	Review: Progresses in understanding N-ethylmaleimide sensitive factor (NSF) mediated disassembly of SNARE complexes. <i>Biopolymers</i> , 2016 , 105, 518-31	2.2	36
210	SLC10A4 is a vesicular amine-associated transporter modulating dopamine homeostasis. <i>Biological Psychiatry</i> , 2015 , 77, 526-36	7.9	22
209	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
208	Extended synaptotagmins (E-Syts): Architecture and dynamics of membrane contact sites revealed. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4837-8	11.5	11
207	Hydrophobic mismatch sorts SNARE proteins into distinct membrane domains. <i>Nature Communications</i> , 2015 , 6, 5984	17.4	89
206	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
205	Resolving single membrane fusion events on planar pore-spanning membranes. <i>Scientific Reports</i> , 2015 , 5, 12006	4.9	31
204	Organization and dynamics of SNARE proteins in the presynaptic membrane. <i>Frontiers in Physiology</i> , 2015 , 6, 89	4.6	24
203	The GTPase Rab26 links synaptic vesicles to the autophagy pathway. <i>ELife</i> , 2015 , 4, e05597	8.9	108
202	ESNAP interferes with the zippering of the SNARE protein membrane fusion machinery. <i>Journal of Biological Chemistry</i> , 2014 , 289, 16326-35	5.4	26
201	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
200	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
199	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
198	Small-scale isolation of synaptic vesicles from mammalian brain. <i>Nature Protocols</i> , 2013 , 8, 998-1009	18.8	37
197	Active zone protein expression changes at the key stages of cerebellar cortex neurogenesis in the rat. <i>Acta Histochemica</i> , 2013 , 115, 616-25	2	3
196	Microdomains of SNARE proteins in the plasma membrane. <i>Current Topics in Membranes</i> , 2013 , 72, 193-230		28
195	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
194	Synaptic PI(3,4,5)P3 is required for Syntaxin1A clustering and neurotransmitter release. <i>Neuron</i> , 2013 , 77, 1097-108	13.9	75

193	Molecular Regulation of Synaptic Release 2013 , 351-401		1
192	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
191	Rapid fusion of synaptic vesicles with reconstituted target SNARE membranes. <i>Biophysical Journal</i> , 2013 , 104, 1950-8	2.9	34
190	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
189	Managing intracellular transport. <i>Worm</i> , 2013 , 2, e21564		3
188	Molecular machines governing exocytosis of synaptic vesicles. <i>Nature</i> , 2012 , 490, 201-7	50.4	668
187	Membrane fusion intermediates via directional and full assembly of the SNARE complex. <i>Science</i> , 2012 , 336, 1581-4	33.3	168
186	Measuring Ca ²⁺ -induced structural changes in lipid monolayers: implications for synaptic vesicle exocytosis. <i>Biophysical Journal</i> , 2012 , 102, 1394-402	2.9	19
185	Controlling synaptotagmin activity by electrostatic screening. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 991-7	17.6	53
184	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
183	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
182	Phosphorylation-regulated axonal dependent transport of syntaxin 1 is mediated by a Kinesin-1 adapter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5862-7	11.5	33
181	SNARE derived peptide mimic inducing membrane fusion. <i>Chemical Communications</i> , 2011 , 47, 9405-7	5.8	44
180	Ca ²⁺ induces clustering of membrane proteins in the plasma membrane via electrostatic interactions. <i>EMBO Journal</i> , 2011 , 30, 1209-20	13	47
179	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
178	Membrane protein sequestering by ionic protein-lipid interactions. <i>Nature</i> , 2011 , 479, 552-5	50.4	420
177	Hybride aus Transmembranpeptiden und Peptidnucleinsäuren als Modellsystem für SNARE-Protein-vermittelte Vesikelfusion. <i>Angewandte Chemie</i> , 2011 , 123, 8756-8760	3.6	8
176	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

175	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
174	Distinct yet overlapping roles of Rab GTPases on synaptic vesicles. <i>Small GTPases</i> , 2011 , 2, 77-81	2.7	48
173	Counting the SNAREs needed for membrane fusion. <i>Journal of Molecular Cell Biology</i> , 2011 , 3, 204-5	6.3	19
172	Tctex-1, a novel interaction partner of Rab3D, is required for osteoclastic bone resorption. <i>Molecular and Cellular Biology</i> , 2011 , 31, 1551-64	4.8	22
171	Inside insight to membrane fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 11729-30	11.5	4
170	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
169	One SNARE complex is sufficient for membrane fusion. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 358-64	17.6	203
168	A fluorescence-based in vitro assay for investigating early endosome dynamics. <i>Nature Protocols</i> , 2010 , 5, 1127-37	18.8	32
167	The architecture of an excitatory synapse. <i>Journal of Cell Science</i> , 2010 , 123, 819-23	5.3	69
166	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
165	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
164	Evolution of CASK into a Mg ²⁺ -sensitive kinase. <i>Science Signaling</i> , 2010 , 3, ra33	8.8	37
163	Structure parameters of synaptic vesicles quantified by small-angle x-ray scattering. <i>Biophysical Journal</i> , 2010 , 98, 1200-8	2.9	36
162	VGLUTs--potential targets for the treatment of seizures?. <i>Neuron</i> , 2010 , 68, 6-8	13.9	7
161	Synaptic membrane proteins form stable microdomains in early endosomes. <i>Microscopy Research and Technique</i> , 2010 , 73, 606-17	2.8	18
160	A sandwich enzyme-linked immunosorbent assay for the quantification of insoluble membrane and scaffold proteins. <i>Analytical Biochemistry</i> , 2010 , 402, 161-9	3.1	15
159	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
158	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

157	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
156	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
155	Helical extension of the neuronal SNARE complex into the membrane. <i>Nature</i> , 2009 , 460, 525-8	50.4 311
154	Endosomal fusion upon SNARE knockdown is maintained by residual SNARE activity and enhanced docking. <i>Traffic</i> , 2009 , 10, 1543-59	5.7 36
153	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
152	A tethering complex recruits SNAREs and grabs vesicles. <i>Cell</i> , 2009 , 139, 1053-5	56.2 7
151	Complexins living up to their name--new light on their role in exocytosis. <i>Neuron</i> , 2009 , 64, 295-7	13.9 6
150	Some classic papers in the field of membrane fusion--a personal view. <i>Nature Structural and Molecular Biology</i> , 2008 , 15, 655-7	17.6 8
149	Synaptic vesicles are constitutively active fusion machines that function independently of Ca ²⁺ . <i>Current Biology</i> , 2008 , 18, 715-722	6.3 59
148	Docking of liposomes to planar surfaces mediated by trans-SNARE complexes. <i>Biophysical Journal</i> , 2008 , 95, 1295-302	2.9 9
147	Into great silence without VGLUT3. <i>Neuron</i> , 2008 , 57, 173-4	13.9 7
146	Video-rate far-field optical nanoscopy dissects synaptic vesicle movement. <i>Science</i> , 2008 , 320, 246-9	33.3 612
145	CASK Functions as a Mg ²⁺ -independent neurexin kinase. <i>Cell</i> , 2008 , 133, 328-39	56.2 204
144	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
143	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
142	SNARE function is not involved in early endosome docking. <i>Molecular Biology of the Cell</i> , 2008 , 19, 5327-37 ⁵	24
141	3D reconstruction of high-resolution STED microscope images. <i>Microscopy Research and Technique</i> , 2008 , 71, 644-50	2.8 75
140	Core proteins of the secretory machinery. <i>Handbook of Experimental Pharmacology</i> , 2008 , 107-27	3.2 92

139	Two-color far-field fluorescence nanoscopy. <i>Biophysical Journal</i> , 2007 , 92, L67-9	2.9	205
138	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
137	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
136	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
135	Kiss-and-run, collapse and Readily retrievable Vesicles. <i>Traffic</i> , 2007 , 8, 1137-44	5.7	88
134	Determinants of synaptobrevin regulation in membranes. <i>Molecular Biology of the Cell</i> , 2007 , 18, 2037-46	5.5	53
133	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
132	Endobrevin/VAMP8 mediates exocytotic release of hexosaminidase from rat basophilic leukaemia cells. <i>FEBS Letters</i> , 2007 , 581, 3479-84	3.8	43
131	Neuroscience. A neuronal receptor for botulinum toxin. <i>Science</i> , 2006 , 312, 540-1	33.3	32
130	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
129	Identification of SNAP-47, a novel Qbc-SNARE with ubiquitous expression. <i>Journal of Biological Chemistry</i> , 2006 , 281, 17076-17083	5.4	76
128	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
127	Molecular anatomy of a trafficking organelle. <i>Cell</i> , 2006 , 127, 831-46	56.2	1670
126	Preparation of Synaptic Vesicles from Mammalian Brain 2006 , 85-90		2
125	Molecular Mechanisms of Intracellular Membrane Fusion 2006 , 245-277		
124	Differential expression of active zone proteins in neuromuscular junctions suggests functional diversification. <i>European Journal of Neuroscience</i> , 2006 , 24, 3043-52	3.5	21
123	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
122	Evidence for early endosome-like fusion of recently endocytosed synaptic vesicles. <i>Traffic</i> , 2006 , 7, 1163-76	5.7	52

121	SNAREs--engines for membrane fusion. <i>Nature Reviews Molecular Cell Biology</i> , 2006 , 7, 631-43	48.7	1842
120	STED microscopy reveals that synaptotagmin remains clustered after synaptic vesicle exocytosis. <i>Nature</i> , 2006 , 440, 935-9	50.4	851
119	Rabphilin regulates SNARE-dependent re-priming of synaptic vesicles for fusion. <i>EMBO Journal</i> , 2006 , 25, 2856-66	13	88
118	Munc18-bound syntaxin readily forms SNARE complexes with synaptobrevin in native plasma membranes. <i>PLoS Biology</i> , 2006 , 4, e330	9.7	99
117	Endosome Fusion 2006 , 50-61		
116	Distinct kinetic changes in neurotransmitter release after SNARE protein cleavage. <i>Science</i> , 2005 , 309, 491-4	33.3	120
115	A dual function for Munc-18 in exocytosis of PC12 cells. <i>European Journal of Neuroscience</i> , 2005 , 21, 2419-32	3.32	47
114	Galphao2 regulates vesicular glutamate transporter activity by changing its chloride dependence. <i>Journal of Neuroscience</i> , 2005 , 25, 4672-80	6.6	37
113	Identification of functionally interacting SNAREs by using complementary substitutions in the conserved R-layer. <i>Molecular Biology of the Cell</i> , 2005 , 16, 2263-74	3.5	23
112	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
111	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
110	Neuroscience. Synaptic vesicles in the fast lane. <i>Science</i> , 2004 , 303, 1986-7	33.3	4
109	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
108	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
107	Reinvestigation of the role of snapin in neurotransmitter release. <i>Journal of Biological Chemistry</i> , 2004 , 279, 26251-6	5.4	42
106	A complete genetic analysis of neuronal Rab3 function. <i>Journal of Neuroscience</i> , 2004 , 24, 6629-37	6.6	213
105	Principles of exocytosis and membrane fusion. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1014, 170-8	6.5	77
104	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

103	A broken alpha -helix in folded alpha -Synuclein. <i>Journal of Biological Chemistry</i> , 2003 , 278, 15313-8	5.4	376
102	Divergent functions of neuronal Rab11b in Ca ²⁺ -regulated versus constitutive exocytosis. <i>Journal of Neuroscience</i> , 2003 , 23, 10531-9	6.6	99
101	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
100	Methods for studying synaptosomal copper release. <i>Journal of Neuroscience Methods</i> , 2003 , 128, 159-72	3	126
99	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
98	Membrane fusion. <i>Cell</i> , 2003 , 112, 519-33	56.2	1227
97	Membrane fusion. <i>Current Opinion in Cell Biology</i> , 2002 , 14, 488-95	9	167
96	Molecular determinants of exocytosis. <i>Pflügers Archiv European Journal of Physiology</i> , 2002 , 443, 333-8	4.6	54
95	Crystal structure of the endosomal SNARE complex reveals common structural principles of all SNAREs. <i>Nature Structural Biology</i> , 2002 , 9, 107-11		207
94	SNARE assembly and disassembly exhibit a pronounced hysteresis. <i>Nature Structural Biology</i> , 2002 , 9, 144-51		124
93	Molecular cloning and functional characterization of human vesicular glutamate transporter 3. <i>EMBO Reports</i> , 2002 , 3, 798-803	6.5	178
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