Matthijs Verhage

List of Publications by Year
in descending order

156 papers	10,851 citations	36303 51 h-index	38395 95 g-index
168 all docs	168 docs citations	168 times ranked	14361 citing authors

#	Article	IF	Citations
1	Loss of mouse Stmn2 function causes motor neuropathy. Neuron, 2022, 110, 1671-1688.e6.	8.1	37
2	Neuronâ€specific translational control shift ensures proteostatic resilience during <scp>ER</scp> stress. EMBO Journal, 2022, 41, .	7.8	11
3	Loss of MUNC18â€1 leads to retrograde transport defects in neurons. Journal of Neurochemistry, 2021, 157, 450-466.	3.9	7
4	Quantitative analysis of dense-core vesicle fusion in rodent CNS neurons. STAR Protocols, 2021, 2, 100325.	1.2	8
5	Neuromodulator release in neurons requires two functionally redundant calcium sensors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2012137118.	7.1	9
6	Dynamin controls neuropeptide secretion by organizing dense-core vesicle fusion sites. Science Advances, 2021, 7, .	10.3	18
7	<i>Munc18-1</i> Is Essential for Neuropeptide Secretion in Neurons. Journal of Neuroscience, 2021, 41, 5980-5993.	3.6	10
8	STXBP1 Syndrome Is Characterized by Inhibition-Dominated Dynamics of Resting-State EEG. Frontiers in Physiology, 2021, 12, 775172.	2.8	14
9	Homozygous STXBP1 variant causes encephalopathy and gain-of-function in synaptic transmission. Brain, 2020, 143, 441-451.	7.6	46
10	CaMKII controls neuromodulation via neuropeptide gene expression and axonal targeting of neuropeptide vesicles. PLoS Biology, 2020, 18, e3000826.	5.6	18
11	Neuronâ€selective induction of granulovacuolar degeneration bodies: A lysosomal stress response to tau aggregation?. Alzheimer's and Dementia, 2020, 16, e039378.	0.8	0
12	SNAREopathies: Diversity in Mechanisms and Symptoms. Neuron, 2020, 107, 22-37.	8.1	77
13	Tetanus insensitive VAMP2 differentially restores synaptic and dense core vesicle fusion in tetanus neurotoxin treated neurons. Scientific Reports, 2020, 10, 10913.	3.3	22
14	A Munc18-1 mutant mimicking phosphorylation by Down Syndrome-related kinase Dyrk1a supports normal synaptic transmission and promotes recovery after intense activity. Scientific Reports, 2020, 10, 3181.	3.3	3
15	Doc2 Proteins Are Not Required for the Increased Spontaneous Release Rate in Synaptotagmin-1-Deficient Neurons. Journal of Neuroscience, 2020, 40, 2606-2617.	3.6	6
16	Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. Neuron, 2020, 106, 37-65.e5.	8.1	109
17	Post-tetanic potentiation lowers the energy barrier for synaptic vesicle fusion independently of Synaptotagmin-1. ELife, 2020, 9, .	6.0	7
18	The Interaction of Munc18-1 Helix 11 and 12 with the Central Region of the VAMP2 SNARE Motif Is Essential for SNARE Templating and Synaptic Transmission. ENeuro, 2020, 7, ENEURO.0278-20.2020.	1.9	23

#	Article	IF	Citations
19	Title is missing!. , 2020, 18, e3000826.		0
20	Title is missing!. , 2020, 18, e3000826.		0
21	Title is missing!. , 2020, 18, e3000826.		0
22	Title is missing!. , 2020, 18, e3000826.		0
23	Title is missing!. , 2020, 18, e3000826.		0
24	Title is missing!. , 2020, 18, e3000826.		0
25	Synaptotagmin-1 enables frequency coding by suppressing asynchronous release in a temperature dependent manner. Scientific Reports, 2019, 9, 11341.	3.3	8
26	<scp>SALM</scp> 1 controls synapse development by promoting Fâ€actin/PIP2â€dependent Neurexin clustering. EMBO Journal, 2019, 38, e101289.	7.8	17
27	Doc2b Ca2+ binding site mutants enhance synaptic release at rest at the expense of sustained synaptic strength. Scientific Reports, 2019, 9, 14408.	3.3	2
28	The RAB3-RIM Pathway Is Essential for the Release of Neuromodulators. Neuron, 2019, 104, 1065-1080.e12.	8.1	53
29	MUNC18-1 regulates the submembrane F-actin network, independently of syntaxin1 targeting, via hydrophobicity in Î²-sheet 10. Journal of Cell Science, 2019, 132, .	2.0	7
30	Granulovacuolar degeneration bodies are neuron-selective lysosomal structures induced by intracellular tau pathology. Acta Neuropathologica, 2019, 138, 943-970.	7.7	48
31	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. Neuron, 2019, 103, 217-234.e4.	8.1	518
32	Fbxo41 Promotes Disassembly of Neuronal Primary Cilia. Scientific Reports, 2019, 9, 8179.	3.3	11
33	A Single-Cell Model for Synaptic Transmission and Plasticity in Human iPSC-Derived Neurons. Cell Reports, 2019, 27, 2199-2211.e6.	6.4	74
34	Unconventional secretion factor GRASP55 is increased by pharmacological unfolded protein response inducers in neurons. Scientific Reports, 2019, 9, 1567.	3.3	17
35	Vti Proteins: Beyond Endolysosomal Trafficking. Neuroscience, 2019, 420, 32-40.	2.3	17
36	Denseâ€core vesicle biogenesis and exocytosis in neurons lacking chromogranins A and B. Journal of Neurochemistry, 2018, 144, 241-254.	3.9	24

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37	MIR137 schizophrenia-associated locus controls synaptic function by regulating synaptogenesis, synapse maturation and synaptic transmission. Human Molecular Genetics, 2018, 27, 1879-1891.	2.9	58
38	Quantifying exosome secretion from single cells reveals a modulatory role for GPCR signaling. Journal of Cell Biology, 2018, 217, 1129-1142.	5.2	227
39	Protein instability, haploinsufficiency, and cortical hyper-excitability underlie STXBP1 encephalopathy. Brain, 2018, 141, 1350-1374.	7.6	87
40	Tyrosine phosphorylation of Munc18â€•1 inhibits synaptic transmission by preventing <scp>SNARE</scp> Âassembly. EMBO Journal, 2018, 37, 300-320.	7.8	32
41	Pool size estimations for denseâ€•core vesicles in mammalian <scp>CNS</scp> neurons. EMBO Journal, 2018, 37, .	7.8	53
42	Vti1a/b regulate synaptic vesicle and dense core vesicle secretion via protein sorting at the Golgi. Nature Communications, 2018, 9, 3421.	12.8	45
43	Secretory vesicle trafficking in awake and anaesthetized mice: differential speeds in axons <i>versus</i> synapses. Journal of Physiology, 2018, 596, 3759-3773.	2.9	22
44	Gene-set analysis shows association between FMRP targets and autism spectrum disorder. European Journal of Human Genetics, 2017, 25, 863-868.	2.8	33
45	SNAP-25 gene family members differentially support secretory vesicle fusion. Journal of Cell Science, 2017, 130, 1877-1889.	2.0	40
46	AHCODA-DB: a data repository with web-based mining tools for the analysis of automated high-content mouse phenomics data. BMC Bioinformatics, 2017, 18, 200.	2.6	4
47	Early Golgi Abnormalities and Neurodegeneration upon Loss of Presynaptic Proteins Munc18-1, Syntaxin-1, or SNAP-25. Journal of Neuroscience, 2017, 37, 4525-4539.	3.6	43
48	Differential Maturation of the Two Regulated Secretory Pathways in Human iPSC-Derived Neurons. Stem Cell Reports, 2017, 8, 659-672.	4.8	9
49	The Action Radius of Oxytocin Release in the Mammalian CNS: From Single Vesicles to Behavior. Trends in Pharmacological Sciences, 2017, 38, 982-991.	8.7	101
50	CAPS-1 requires its C2, PH, MHD1 and DCV domains for dense core vesicle exocytosis in mammalian CNS neurons. Scientific Reports, 2017, 7, 10817.	3.3	19
51	A one-week 5-choice serial reaction time task to measure impulsivity and attention in adult and adolescent mice. Scientific Reports, 2017, 7, 42519.	3.3	39
52	Munc13-1 and Munc18-1 together prevent NSF-dependent de-priming of synaptic vesicles. Nature Communications, 2017, 8, 15915.	12.8	83
53	Doc2B acts as a calcium sensor for vesicle priming requiring synaptotagmin-1, Munc13-2 and SNAREs. ELife, 2017, 6, .	6.0	26
54	Integrated Bayesian analysis of rare exonic variants to identify risk genes for schizophrenia and neurodevelopmental disorders. Genome Medicine, 2017, 9, 114.	8.2	86

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55	Complex Genetics of Behavior: BXDs in the Automated Home-Cage. Methods in Molecular Biology, 2017, 1488, 519-530.	0.9	3
56	Multi-level characterization of balanced inhibitory-excitatory cortical neuron network derived from human pluripotent stem cells. PLoS ONE, 2017, 12, e0178533.	2.5	28
57	Tomosyn associates with secretory vesicles in neurons through its N- and C-terminal domains. PLoS ONE, 2017, 12, e0180912.	2.5	18
58	Presynaptic inhibition upon <scp>CB</scp> 1 or <scp>mG</scp> lu2/3 receptor activation requires <scp>ERK</scp> / <scp>MAPK</scp> phosphorylation of Munc18â€•1. EMBO Journal, 2016, 35, 1236-1250.	7.8	33
59	Measuring discrimination- and reversal learning in mouse models within 4 days and without prior food deprivation. Learning and Memory, 2016, 23, 660-667.	1.3	29
60	Phosphorylation of synaptotagmin-1 controls a post-priming step in PKC-dependent presynaptic plasticity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5095-5100.	7.1	48
61	Normal Molecular Specification and Neurodegenerative Disease-Like Death of Spinal Neurons Lacking the SNARE-Associated Synaptic Protein Munc18-1. Journal of Neuroscience, 2016, 36, 561-576.	3.6	21
62	Extension of Helix 12 in Munc18-1 Induces Vesicle Priming. Journal of Neuroscience, 2016, 36, 6881-6891.	3.6	47
63	Multilevel analysis quantifies variation in the experimental effect while optimizing power and preventing false positives. BMC Neuroscience, 2015, 16, 94.	1.9	49
64	Synaptic Effects of Munc18-1 Alternative Splicing in Excitatory Hippocampal Neurons. PLoS ONE, 2015, 10, e0138950.	2.5	12
65	A 1-night operant learning task without food-restriction differentiates among mouse strains in an automated home-cage environment. Behavioural Brain Research, 2015, 283, 53-60.	2.2	15
66	Interaction proteomics of canonical Caspr2 (CNTNAP2) reveals the presence of two Caspr2 isoforms with overlapping interactomes. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 827-833.	2.3	32
67	The light spot test: Measuring anxiety in mice in an automated home-cage environment. Behavioural Brain Research, 2015, 294, 123-130.	2.2	35
68	A Post-Docking Role of Synaptotagmin 1-C2B Domain Bottom Residues R398/399 in Mouse Chromaffin Cells. Journal of Neuroscience, 2015, 35, 14172-14182.	3.6	24
69	Within-strain variation in behavior differs consistently between common inbred strains of mice. Mammalian Genome, 2015, 26, 348-354.	2.2	38
70	Tomosyn-2 is required for normal motor performance in mice and sustains neurotransmission at motor endplates. Brain Structure and Function, 2015, 220, 1971-1982.	2.3	21
71	CAPS-1 promotes fusion competence of stationary dense-core vesicles in presynaptic terminals of mammalian neurons. ELife, 2015, 4, .	6.0	32
72	Additive effects on the energy barrier for synaptic vesicle fusion cause supralinear effects on the vesicle fusion rate. ELife, 2015, 4, e05531.	6.0	50

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73	Tomosyn Interacts with the SUMO E3 Ligase PIASÎ³. PLoS ONE, 2014, 9, e91697.	2.5	10
74	Display of individuality in avoidance behavior and risk assessment of inbred mice. Frontiers in Behavioral Neuroscience, 2014, 8, 314.	2.0	35
75	Functional Gene-Set Analysis Does Not Support a Major Role for Synaptic Function in Attention Deficit/Hyperactivity Disorder (ADHD). Genes, 2014, 5, 604-614.	2.4	10
76	The BAR Domain Protein PICK1 Controls Vesicle Number and Size in Adrenal Chromaffin Cells. Journal of Neuroscience, 2014, 34, 10688-10700.	3.6	32
77	Sheltering Behavior and Locomotor Activity in 11 Genetically Diverse Common Inbred Mouse Strains Using Home-Cage Monitoring. PLoS ONE, 2014, 9, e108563.	2.5	76
78	Munc18-1 redistributes in nerve terminals in an activity- and PKC-dependent manner. Journal of Cell Biology, 2014, 204, 759-775.	5.2	39
79	A solution to dependency: using multilevel analysis to accommodate nested data. Nature Neuroscience, 2014, 17, 491-496.	14.8	470
80	The <scp>SNARE</scp> protein vti1a functions in denseâ€core vesicle biogenesis. EMBO Journal, 2014, 33, 1681-1697.	7.8	34
81	DOC2 isoforms play dual roles in insulin secretion and insulin-stimulated glucose uptake. Diabetologia, 2014, 57, 2173-2182.	6.3	30
82	Munc18-1 is a dynamically regulated PKC target during short-term enhancement of transmitter release. ELife, 2014, 3, e01715.	6.0	70
83	Genome-wide association analysis identifies 13 new risk loci for schizophrenia. Nature Genetics, 2013, 45, 1150-1159.	21.4	1,395
84	Laminar and Columnar Development of Barrel Cortex Relies on Thalamocortical Neurotransmission. Neuron, 2013, 79, 970-986.	8.1	132
85	Synaptotagmin Interaction with SNAP-25 Governs Vesicle Docking, Priming, and Fusion Triggering. Journal of Neuroscience, 2013, 33, 14417-14430.	3.6	68
86	Neurobeachin regulates neurotransmitter receptor trafficking to synapses. Journal of Cell Biology, 2013, 200, 61-80.	5.2	83
87	A Sequential Vesicle Pool Model with a Single Release Sensor and a Ca2+-Dependent Priming Catalyst Effectively Explains Ca2+-Dependent Properties of Neurosecretion. PLoS Computational Biology, 2013, 9, e1003362.	3.2	35
88	Genes Encoding Heterotrimeric G-proteins Are Associated with Gray Matter Volume Variations in the Medial Frontal Cortex. Cerebral Cortex, 2013, 23, 1025-1030.	2.9	5
89	Doc2b Synchronizes Secretion from Chromaffin Cells by Stimulating Fast and Inhibiting Sustained Release. Journal of Neuroscience, 2013, 33, 16459-16470.	3.6	15
90	FADS2 Genetic Variance in Combination with Fatty Acid Intake Might Alter Composition of the Fatty Acids in Brain. PLoS ONE, 2013, 8, e68000.	2.5	15

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91	TRIM3 Regulates the Motility of the Kinesin Motor Protein KIF21B. PLoS ONE, 2013, 8, e75603.	2.5	33
92	Molecular Machines in the Synapse: Overlapping Protein Sets Control Distinct Steps in Neurosecretion. PLoS Computational Biology, 2012, 8, e1002450.	3.2	6
93	Doc2b Is a Key Effector of Insulin Secretion and Skeletal Muscle Insulin Sensitivity. Diabetes, 2012, 61, 2424-2432.	0.6	38
94	Munc18-1 Regulates First-phase Insulin Release by Promoting Granule Docking to Multiple Syntaxin Isoforms. Journal of Biological Chemistry, 2012, 287, 25821-25833.	3.4	64
95	Munc18-1 mutations that strongly impair SNARE-complex binding support normal synaptic transmission. EMBO Journal, 2012, 31, 2156-2168.	7.8	62
96	Munc13 controls the location and efficiency of dense-core vesicle release in neurons. Journal of Cell Biology, 2012, 199, 883-891.	5.2	84
97	Neurodegeneration: New Road Leads Back to the Synapse. Neuron, 2012, 75, 935-938.	8.1	4
98	Finding the right motivation: Genotype-dependent differences in effective reinforcements for spatial learning. Behavioural Brain Research, 2012, 226, 397-403.	2.2	35
99	Dendritic position is a major determinant of presynaptic strength. Journal of Cell Biology, 2012, 197, 327-337.	5.2	22
100	Synapse Associated Protein 102 (SAP102) Binds the C-Terminal Part of the Scaffolding Protein Neurobeachin. PLoS ONE, 2012, 7, e39420.	2.5	26
101	Multiple Ca2+ sensors in secretion: teammates, competitors or autocrats?. Trends in Neurosciences, 2011, 34, 487-497.	8.6	64
102	Crashpilot Underachieves due to Acetylation at the Nerve Terminal. Neuron, 2011, 72, 679-681.	8.1	0
103	Automated analysis of neuronal morphology, synapse number and synaptic recruitment. Journal of Neuroscience Methods, 2011, 195, 185-193.	2.5	155
104	Deletion of Munc18-1 in 5-HT Neurons Results in Rapid Degeneration of the 5-HT System and Early Postnatal Lethality. PLoS ONE, 2011, 6, e28137.	2.5	13
105	Functional Gene Group Analysis Reveals a Role of Synaptic Heterotrimeric G Proteins in Cognitive Ability. American Journal of Human Genetics, 2010, 86, 113-125.	6.2	106
106	Rab3 Proteins Involved in Vesicle Biogenesis and Priming in Embryonic Mouse Chromaffin Cells. Traffic, 2010, 11, 1415-1428.	2.7	28
107	Munc18 and Munc13 regulate early neurite outgrowth. Biology of the Cell, 2010, 102, 479-488.	2.0	38
108	Doc2b Is a High-Affinity Ca ²⁺ Sensor for Spontaneous Neurotransmitter Release. Science, 2010, 327, 1614-1618.	12.6	271

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109	Fast Vesicle Fusion in Living Cells Requires at Least Three SNARE Complexes. Science, 2010, 330, 502-505.	12.6	278
110	Phenotypic Complexity, Measurement Bias, and Poor Phenotypic Resolution Contribute to the Missing Heritability Problem in Genetic Association Studies. PLoS ONE, 2010, 5, e13929.	2.5	119
111	Organelle docking: R-SNAREs are late. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19745-19746.	7.1	6
112	Presynaptic signal transduction pathways that modulate synaptic transmission. Current Opinion in Neurobiology, 2009, 19, 245-253.	4.2	83
113	Chronic activation of the 5-HT2 receptor reduces 5-HT neurite density as studied in organotypic slice cultures. Brain Research, 2009, 1302, 1-9.	2.2	11
114	Automated quantification of cellular traffic in living cells. Journal of Neuroscience Methods, 2009, 178, 378-384.	2.5	11
115	Synaptotagmin-1 Docks Secretory Vesicles to Syntaxin-1/SNAP-25 Acceptor Complexes. Cell, 2009, 138, 935-946.	28.9	242
116	Synaptobrevin, Sphingolipids, and Secretion: Lube â€˜nâ€™ Go at the Synapse. Neuron, 2009, 62, 603-605.	8.1	3
117	Bidirectional modulation of classical fear conditioning in mice by 5-HT1A receptor ligands with contrasting intrinsic activities. Neuropharmacology, 2009, 57, 567-576.	4.1	24
118	Matrix-Dependent Local Retention of Secretory Vesicle Cargo in Cortical Neurons. Journal of Neuroscience, 2009, 29, 23-37.	3.6	58
119	Differential involvement of the dorsal hippocampus in passive avoidance in C57bl/6J and DBA/2J mice. Hippocampus, 2008, 18, 11-19.	1.9	78
120	Automated analysis of secretory vesicle distribution at the ultrastructural level. Journal of Neuroscience Methods, 2008, 173, 83-90.	2.5	5
121	Vesicle Docking in Regulated Exocytosis. Traffic, 2008, 9, 1414-1424.	2.7	175
122	Conformational Switch of Syntaxin-1 Controls Synaptic Vesicle Fusion. Science, 2008, 321, 1507-1510.	12.6	241
123	Munc18-1: Sequential Interactions with the Fusion Machinery Stimulate Vesicle Docking and Priming. Journal of Neuroscience, 2007, 27, 8676-8686.	3.6	110
124	Munc18-1 in secretion: lonely Munc joins SNARE team and takes control. Trends in Neurosciences, 2007, 30, 564-572.	8.6	177
125	Interdependence of PKC-Dependent and PKC-Independent Pathways for Presynaptic Plasticity. Neuron, 2007, 54, 275-290.	8.1	196
126	Presynaptic plasticity: modulation of secretion, co-transmission and neurodegeneration. Parkinsonism and Related Disorders, 2007, 13, S250.	2.2	0

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127	Regulated exocytosis: merging ideas on fusing membranes. Current Opinion in Cell Biology, 2007, 19, 402-408.	5.4	41
128	The Role of Rab3a in Secretory Vesicle Docking Requires Association/Dissociation of Guanidine Phosphates and Munc18-1. PLoS ONE, 2007, 2, e616.	2.5	36
129	Docking of Secretory Vesicles Is Syntaxin Dependent. PLoS ONE, 2006, 1, e126.	2.5	102
130	DOC2A and DOC2B are sensors for neuronal activity with unique calcium-dependent and kinetic properties. Journal of Neurochemistry, 2006, 97, 818-833.	3.9	86
131	Vesicular Trafficking of Semaphorin 3A is Activity-Dependent and Differs Between Axons and Dendrites. Traffic, 2006, 7, 1060-1077.	2.7	67
132	Dissecting docking and tethering of secretory vesicles at the target membrane. EMBO Journal, 2006, 25, 3725-3737.	7.8	156
133	Munc18-1 expression levels control synapse recovery by regulating readily releasable pool size. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18332-18337.	7.1	148
134	Fatty Acids Add Grease to Exocytosis. Chemistry and Biology, 2005, 12, 511-512.	6.0	4
135	Two distinct genes drive expression of seven tomosyn isoforms in the mammalian brain, sharing a conserved structure with a unique variable domain. Journal of Neurochemistry, 2005, 92, 554-568.	3.9	45
136	Munc18-1 stabilizes syntaxin 1, but is not essential for syntaxin 1 targeting and SNARE complex formation. Journal of Neurochemistry, 2005, 93, 1393-1400.	3.9	74
137	The role of Munc18â€1 in docking and exocytosis of peptide hormone vesicles in the anterior pituitary. Biology of the Cell, 2005, 97, 445-455.	2.0	22
138	Ca2+-induced Recruitment of the Secretory Vesicle Protein DOC2B to the Target Membrane. Journal of Biological Chemistry, 2004, 279, 23740-23747.	3.4	41
139	Development of the mouse hypothalamo-neurohypophysial system in the munc18-1 null mutant that lacks regulated secretion. European Journal of Neuroscience, 2004, 19, 2944-2952.	2.6	6
140	Trophic support delays but does not prevent cell-intrinsic degeneration of neurons deficient for munc18-1. European Journal of Neuroscience, 2004, 20, 623-634.	2.6	61
141	Vesicle trafficking: pleasure and pain from SM genes. Trends in Cell Biology, 2003, 13, 177-186.	7.9	240
142	Somatodendritic Secretion in Oxytocin Neurons Is Upregulated during the Female Reproductive Cycle. Journal of Neuroscience, 2003, 23, 2726-2734.	3.6	95
143	Munc18-1 Promotes Large Dense-Core Vesicle Docking. Neuron, 2001, 31, 581-592.	8.1	329
144	Rab3A Is Involved in Transport of Synaptic Vesicles to the Active Zone in Mouse Brain Nerve Terminals. Molecular Biology of the Cell, 2001, 12, 3095-3102.	2.1	98

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145	Different spatiotemporal expression of DOC2 genes in the developing rat brain argues for an additional, nonsynaptic role of DOC2B in early development. European Journal of Neuroscience, 2000, 12, 165-171.	2.6	13
146	Dynamics of munc18-1 phosphorylation/dephosphorylation in rat brain nerve terminals. European Journal of Neuroscience, 2000, 12, 385-390.	2.6	67
147	Rabphilin Knock-Out Mice Reveal That Rabphilin Is Not Required for Rab3 Function in Regulating Neurotransmitter Release. Journal of Neuroscience, 1999, 19, 5834-5846.	3.6	162
148	DOC2 Proteins in Rat Brain: Complementary Distribution and Proposed Function as Vesicular Adapter Proteins in Early Stages of Secretion. Neuron, 1997, 18, 453-461.	8.1	155
149	Ba2+ replaces Ca2+/calmodulin in the activation of protein phosphatases and in exocytosis of all major transmitters. European Journal of Pharmacology, 1995, 291, 387-398.	2.6	22
150	Characterization of the release of Met-enkephalin from isolated nerve terminals: release kinetics and cation-dependence. Brain Research, 1992, 598, 294-301.	2.2	5
151	Endogenous Noradrenaline and Dopamine in Nerve Terminals of the Hippocampus: Differences in Levels and Release Kinetics. Journal of Neurochemistry, 1992, 59, 881-887.	3.9	29
152	Perfusion of Immobilized Isolated Nerve Terminals as a Model for the Regulation of Transmitter Release: Release of Different, Endogenous Transmitters, Repeated Stimulation, and High Time Resolution. Journal of Neurochemistry, 1992, 58, 1313-1320.	3.9	14
153	Differential release of amino acids, neuropeptides, and catecholamines from isolated nerve terminals. Neuron, 1991, 6, 517-524.	8.1	319
154	Characterization of the Release of Cholecystokinin-8 from Isolated Nerve Terminals and Comparison with Exocytosis of Classical Transmitters. Journal of Neurochemistry, 1991, 56, 1394-1400.	3.9	51
155	Ca2+-Dependent Regulation of Presynaptic Stimulus-Secretion Coupling. Journal of Neurochemistry, 1989, 53, 1188-1194.	3.9	82
156	Evaluation of the Ca2+Concentration in Purified Nerve Terminals: Relationship Between Ca2+Homeostasis and Synaptosomal Preparation. Journal of Neurochemistry, 1988, 51, 1667-1674.	3.9	64