

Christian Rosenmund

List of Publications by Year in descending order

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150
papers

22,440
citations

11651

70
h-index

10158

140
g-index

177
all docs

177
docs citations

177
times ranked

17641
citing authors

#	ARTICLE	IF	CITATIONS
1	Deconstructing Synaptotagmin-1's Distinct Roles in Synaptic Vesicle Priming and Neurotransmitter Release. <i>Journal of Neuroscience</i> , 2022, 42, 2856-2871.	3.6	16
2	Patient-Derived Anti-NMDAR Antibody Disinhibits Cortical Neuronal Networks through Dysfunction of Inhibitory Neuron Output. <i>Journal of Neuroscience</i> , 2022, 42, 3253-3270.	3.6	12
3	Dynamin is primed at endocytic sites for ultrafast endocytosis. <i>Neuron</i> , 2022, 110, 2815-2835.e13.	8.1	38
4	ORP/Osh mediate cross-talk between ER-plasma membrane contact site components and plasma membrane SNAREs. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 1689-1708.	5.4	15
5	SynaptoPAC, an optogenetic tool for induction of presynaptic plasticity. <i>Journal of Neurochemistry</i> , 2021, 156, 324-336.	3.9	14
6	Cannabinoid receptor activation acutely increases synaptic vesicle numbers by activating synapsins in human synapses. <i>Molecular Psychiatry</i> , 2021, 26, 6253-6268.	7.9	15
7	Biallelic variants in TSPOAP1, encoding the active-zone protein RIMBP1, cause autosomal recessive dystonia. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	18
8	Impaired inhibitory GABAergic synaptic transmission and transcription studied in single neurons by Patch-seq in Huntington's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
9	Reexamination of N-terminal domains of syntaxin-1 in vesicle fusion from central murine synapses. <i>ELife</i> , 2021, 10, .	6.0	13
10	Control of neurotransmitter release by two distinct membrane-binding faces of the Munc13-1 C1C2B region. <i>ELife</i> , 2021, 10, .	6.0	23
11	CB1 receptor activation rapidly alters synaptic vesicle numbers in mouse hippocampal synapses. <i>Molecular Psychiatry</i> , 2021, 26, 6103-6103.	7.9	0
12	LSP5-2157 a new inhibitor of vesicular glutamate transporters. <i>Neuropharmacology</i> , 2020, 164, 107902.	4.1	7
13	A Trio of Active Zone Proteins Comprised of RIM-BPs, RIMs, and Munc13s Governs Neurotransmitter Release. <i>Cell Reports</i> , 2020, 32, 107960.	6.4	43
14	Complexin Suppresses Spontaneous Exocytosis by Capturing the Membrane-Proximal Regions of VAMP2 and SNAP25. <i>Cell Reports</i> , 2020, 32, 107926.	6.4	33
15	VGlut2 Expression in Dopamine Neurons Contributes to Postlesional Striatal Reinnervation. <i>Journal of Neuroscience</i> , 2020, 40, 8262-8275.	3.6	26
16	Disentangling the Roles of RIM and Munc13 in Synaptic Vesicle Localization and Neurotransmission. <i>Journal of Neuroscience</i> , 2020, 40, 9372-9385.	3.6	26
17	Layer 6b Is Driven by Intracortical Long-Range Projection Neurons. <i>Cell Reports</i> , 2020, 30, 3492-3505.e5.	6.4	55
18	Epilepsy-causing STX1B mutations translate altered protein functions into distinct phenotypes in mouse neurons. <i>Brain</i> , 2020, 143, 2119-2138.	7.6	15

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19	CtBP1-Mediated Membrane Fission Contributes to Effective Recycling of Synaptic Vesicles. <i>Cell Reports</i> , 2020, 30, 2444-2459.e7.	6.4	14
20	Parkin contributes to synaptic vesicle autophagy in Bassoon-deficient mice. <i>ELife</i> , 2020, 9, .	6.0	42
21	Synapses, networks, brain development – funding basic neuroscience research in Germany by the Schram Foundation. <i>Neuroforum</i> , 2020, 26, 195-207.	0.3	0
22	The Axonal Membrane Protein PRG2 Inhibits PTEN and Directs Growth to Branches. <i>Cell Reports</i> , 2019, 29, 2028-2040.e8.	6.4	25
23	Neuromodulator Signaling Bidirectionally Controls Vesicle Numbers in Human Synapses. <i>Cell</i> , 2019, 179, 498-513.e22.	28.9	59
24	A Single Human Neuron Approach to Synapse Function. <i>Trends in Molecular Medicine</i> , 2019, 25, 563-565.	6.7	0
25	Altered inhibition and excitation in neocortical circuits in congenital microcephaly. <i>Neurobiology of Disease</i> , 2019, 129, 130-143.	4.4	7
26	Autaptic cultures of human induced neurons as a versatile platform for studying synaptic function and neuronal morphology. <i>Scientific Reports</i> , 2019, 9, 4890.	3.3	11
27	Glutamatergic Innervation onto Striatal Neurons Potentiates GABAergic Synaptic Output. <i>Journal of Neuroscience</i> , 2019, 39, 4448-4460.	3.6	18
28	Calcium-Independent Exo-endocytosis Coupling at Small Central Synapses. <i>Cell Reports</i> , 2019, 29, 3767-3774.e3.	6.4	15
29	Light-Activated ROS Production Induces Synaptic Autophagy. <i>Journal of Neuroscience</i> , 2019, 39, 2163-2183.	3.6	53
30	Membrane bridging by Munc13-1 is crucial for neurotransmitter release. <i>ELife</i> , 2019, 8, .	6.0	84
31	RIM-BP2 primes synaptic vesicles via recruitment of Munc13-1 at hippocampal mossy fiber synapses. <i>ELife</i> , 2019, 8, .	6.0	46
32	Critical role for Piccolo in synaptic vesicle retrieval. <i>ELife</i> , 2019, 8, .	6.0	27
33	Synaptotagmin-1 drives synchronous Ca ²⁺ -triggered fusion by C2B-domain-mediated synaptic-vesicle-membrane attachment. <i>Nature Neuroscience</i> , 2018, 21, 33-40.	14.8	148
34	Differential pH Dynamics in Synaptic Vesicles From Intact Glutamatergic and GABAergic Synapses. <i>Frontiers in Synaptic Neuroscience</i> , 2018, 10, 44.	2.5	9
35	Synaptojanin and Endophilin Mediate Neck Formation during Ultrafast Endocytosis. <i>Neuron</i> , 2018, 98, 1184-1197.e6.	8.1	85
36	ELKS1 localizes the synaptic vesicle priming protein bMunc13-2 to a specific subset of active zones. <i>Journal of Cell Biology</i> , 2017, 216, 1143-1161.	5.2	43

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37	Characterization of a Human Point Mutation of VGLUT3 (p.A211V) in the Rodent Brain Suggests a Nonuniform Distribution of the Transporter in Synaptic Vesicles. <i>Journal of Neuroscience</i> , 2017, 37, 4181-4199.	3.6	15
38	Heterodimerization of Munc13 C2A domain with RIM regulates synaptic vesicle docking and priming. <i>Nature Communications</i> , 2017, 8, 15293.	12.8	80
39	Loss of a mammalian circular RNA locus causes miRNA deregulation and affects brain function. <i>Science</i> , 2017, 357, .	12.6	978
40	Cooperative binding mitigates the high-dose hook effect. <i>BMC Systems Biology</i> , 2017, 11, 74.	3.0	46
41	Mechanistic insights into neurotransmitter release and presynaptic plasticity from the crystal structure of Munc13-1 C1C2BMUN. <i>ELife</i> , 2017, 6, .	6.0	103
42	Mechanistic insights into neurotransmitter release and presynaptic 3 plasticity from the crystal structure of Munc13-1 C1C2BMUN. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, a33-a33.	0.1	0
43	Insights into neurotransmitter release from the structure of Munc13-1 C1C2BMUN. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C103-C103.	0.1	0
44	Functional synergy between the Munc13 C-terminal C1 and C2 domains. <i>ELife</i> , 2016, 5, .	6.0	96
45	Catching Up with Ultrafast Endocytosis. <i>Neuron</i> , 2016, 90, 423-424.	8.1	4
46	RIM-binding protein 2 regulates release probability by fine-tuning calcium channel localization at murine hippocampal synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11615-11620.	7.1	86
47	Distinct Functions of Syntaxin-1 in Neuronal Maintenance, Synaptic Vesicle Docking, and Fusion in Mouse Neurons. <i>Journal of Neuroscience</i> , 2016, 36, 7911-7924.	3.6	77
48	Should I stop or should I go? The role of complexin in neurotransmitter release. <i>Nature Reviews Neuroscience</i> , 2016, 17, 118-125.	10.2	138
49	Loss of MeCP2 disrupts cell autonomous and autocrine BDNF signaling in mouse glutamatergic neurons. <i>ELife</i> , 2016, 5, .	6.0	35
50	Co-release of glutamate and GABA from single vesicles in GABAergic neurons exogenously expressing VGLUT3. <i>Frontiers in Synaptic Neuroscience</i> , 2015, 7, 16.	2.5	27
51	Syntaxin 1B is important for mouse postnatal survival and proper synaptic function at the mouse neuromuscular junctions. <i>Journal of Neurophysiology</i> , 2015, 114, 2404-2417.	1.8	31
52	Ultrafast Recycling of Synaptic Vesicles. <i>Biophysical Journal</i> , 2015, 108, 10a.	0.5	0
53	On the Brink: A New Synaptic Vesicle Release Model at the Calyx of Held. <i>Neuron</i> , 2015, 85, 6-8.	8.1	9
54	Molecular mechanisms governing Ca ²⁺ regulation of evoked and spontaneous release. <i>Nature Neuroscience</i> , 2015, 18, 935-941.	14.8	86

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55	Ligand-Dependent Opening of the Multiple AMPA Receptor Conductance States: A Concerted Model. PLoS ONE, 2015, 10, e0116616.	2.5	3
56	NOMA-GAP/ARHGAP33 regulates synapse development and autistic-like behavior in the mouse. Molecular Psychiatry, 2015, 20, 1120-1131.	7.9	23
57	Vesicular Synaptobrevin/VAMP2 Levels Guarded by AP180 Control Efficient Neurotransmission. Neuron, 2015, 88, 330-344.	8.1	76
58	Optogenetic acidification of synaptic vesicles and lysosomes. Nature Neuroscience, 2015, 18, 1845-1852.	14.8	113
59	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
60	Biophysical properties of presynaptic short-term plasticity in hippocampal neurons: insights from electrophysiology, imaging and mechanistic models. Frontiers in Cellular Neuroscience, 2014, 8, 141.	3.7	18
61	Synapses as Therapeutic Targets for Autism Spectrum Disorders: An International Symposium Held in Pavia on July 4th, 2014. Frontiers in Cellular Neuroscience, 2014, 8, 309.	3.7	9
62	The Morphological and Molecular Nature of Synaptic Vesicle Priming at Presynaptic Active Zones. Neuron, 2014, 84, 882.	8.1	4
63	Investigation of Synapse Formation and Function in a Glutamatergic-GABAergic Two-Neuron Microcircuit. Journal of Neuroscience, 2014, 34, 855-868.	3.6	22
64	Synaptobrevin 1 mediates vesicle priming and evoked release in a subpopulation of hippocampal neurons. Journal of Neurophysiology, 2014, 112, 1559-1565.	1.8	38
65	The Morphological and Molecular Nature of Synaptic Vesicle Priming at Presynaptic Active Zones. Neuron, 2014, 84, 416-431.	8.1	344
66	Clathrin regenerates synaptic vesicles from endosomes. Nature, 2014, 515, 228-233.	27.8	272
67	Vesicular Glutamate Transporter Expression Level Affects Synaptic Vesicle Release Probability at Hippocampal Synapses in Culture. Journal of Neuroscience, 2014, 34, 11781-11791.	3.6	75
68	New Concepts for Presynaptic Optogenetics. Biophysical Journal, 2014, 106, 383a.	0.5	0
69	Clathrin/AP-2 Mediate Synaptic Vesicle Reformation from Endosome-like Vacuoles but Are Not Essential for Membrane Retrieval at Central Synapses. Neuron, 2014, 82, 981-988.	8.1	181
70	Nanometer-Resolution Fluorescence Electron Microscopy (Nano-EM) in Cultured Cells. Methods in Molecular Biology, 2014, 1117, 503-526.	0.9	21
71	Re-examining how complexin inhibits neurotransmitter release. ELife, 2014, 3, e02391.	6.0	68
72	Titration of Syntaxin1 in Mammalian Synapses Reveals Multiple Roles in Vesicle Docking, Priming, and Release Probability. Journal of Neuroscience, 2013, 33, 16698-16714.	3.6	63

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73	Ultrafast endocytosis at mouse hippocampal synapses. <i>Nature</i> , 2013, 504, 242-247.	27.8	502
74	RasGRF2 Rac-GEF activity couples NMDA receptor calcium flux to enhanced synaptic transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14462-14467.	7.1	41
75	Endocytosis gets in tune with action potential bursts. <i>ELife</i> , 2013, 2, e01234.	6.0	1
76	Syntaxin-1 N-peptide and Habc-domain perform distinct essential functions in synaptic vesicle fusion. <i>EMBO Journal</i> , 2012, 32, 159-171.	7.8	114
77	Interplay between VGLUT Isoforms and Endophilin A1 Regulates Neurotransmitter Release and Short-Term Plasticity. <i>Neuron</i> , 2011, 69, 1147-1159.	8.1	99
78	Activation of metabotropic GABA receptors increases the energy barrier for vesicle fusion. <i>Journal of Cell Science</i> , 2011, 124, 3066-3073.	2.0	21
79	Î±8â€œIntegrins are required for hippocampal longâ€œterm potentiation but not for hippocampalâ€œdependent learning. <i>Genes, Brain and Behavior</i> , 2010, 9, 402-410.	2.2	31
80	Munc13 C2B domain is an activity-dependent Ca ²⁺ regulator of synaptic exocytosis. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 280-288.	8.2	202
81	Binding of the complexin N terminus to the SNARE complex potentiates synaptic-vesicle fusogenicity. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 568-575.	8.2	113
82	Dysfunction in GABA signalling mediates autism-like stereotypies and Rett syndrome phenotypes. <i>Nature</i> , 2010, 468, 263-269.	27.8	1,042
83	Regulation of Rap2A by the Ubiquitin Ligase Nedd4-1 Controls Neurite Development. <i>Neuron</i> , 2010, 65, 358-372.	8.1	176
84	Structural and Mutational Analysis of Functional Differentiation between Synaptotagmins-1 and -7. <i>PLoS ONE</i> , 2010, 5, e12544.	2.5	28
85	Stability of ligand-binding domain dimer assembly controls kainate receptor desensitization. <i>EMBO Journal</i> , 2009, 28, 1518-1530.	7.8	54
86	The Headache of a Hyperactive Calcium Channel. <i>Neuron</i> , 2009, 61, 653-654.	8.1	5
87	Tilting the Balance between Facilitatory and Inhibitory Functions of Mammalian and Drosophila Complexins Orchestrates Synaptic Vesicle Exocytosis. <i>Neuron</i> , 2009, 64, 367-380.	8.1	101
88	Structure And Stability Of Ligand Binding Core Dimer Assembly Controls Desensitization In A Kainate Receptor. <i>Biophysical Journal</i> , 2009, 96, 491a.	0.5	0
89	Synaptic vesicle fusion. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 665-674.	8.2	451
90	The Janus-faced nature of the C2B domain is fundamental for synaptotagmin-1 function. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 1160-1168.	8.2	118

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91	Conformational Switch of Syntaxin-1 Controls Synaptic Vesicle Fusion. <i>Science</i> , 2008, 321, 1507-1510.	12.6	241
92	Complexins facilitate neurotransmitter release at excitatory and inhibitory synapses in mammalian central nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7875-7880.	7.1	130
93	Unique Luminal Localization of VGAT-C Terminus Allows for Selective Labeling of Active Cortical GABAergic Synapses. <i>Journal of Neuroscience</i> , 2008, 28, 13125-13131.	3.6	87
94	Munc13-1 C1 Domain Activation Lowers the Energy Barrier for Synaptic Vesicle Fusion. <i>Journal of Neuroscience</i> , 2007, 27, 1200-1210.	3.6	186
95	MeCP2 Controls Excitatory Synaptic Strength by Regulating Glutamatergic Synapse Number. <i>Neuron</i> , 2007, 56, 58-65.	8.1	439
96	Regulation of dendritic development by E3 ubiquitin ligase Nedd4. <i>Neuroscience Research</i> , 2007, 58, S39.	1.9	0
97	Increased Thalamocortical Synaptic Response and Decreased Layer IV Innervation in GAP-43 Knockout Mice. <i>Journal of Neurophysiology</i> , 2007, 98, 1610-1625.	1.8	16
98	Distinct domains of complexin I differentially regulate neurotransmitter release. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 949-958.	8.2	198
99	A Shared Vesicular Carrier Allows Synaptic Corelease of GABA and Glycine. <i>Neuron</i> , 2006, 50, 575-587.	8.1	331
100	Conformational restriction blocks glutamate receptor desensitization. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 1120-1127.	8.2	106
101	Interdomain Interactions in AMPA and Kainate Receptors Regulate Affinity for Glutamate. <i>Journal of Neuroscience</i> , 2006, 26, 7650-7658.	3.6	79
102	Rab3 Superprimes Synaptic Vesicles for Release: Implications for Short-Term Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2006, 26, 1239-1246.	3.6	160
103	Vesicular Glutamate Transporter VGLUT2 Expression Levels Control Quantal Size and Neuropathic Pain. <i>Journal of Neuroscience</i> , 2006, 26, 12055-12066.	3.6	175
104	Molecular Dynamics of a Presynaptic Active Zone Protein Studied in Munc13-1-Enhanced Yellow Fluorescent Protein Knock-In Mutant Mice. <i>Journal of Neuroscience</i> , 2006, 26, 13054-13066.	3.6	77
105	A Gain-of-Function Mutation in Synaptotagmin-1 Reveals a Critical Role of Ca ²⁺ -Dependent Soluble N-Ethylmaleimide-Sensitive Factor Attachment Protein Receptor Complex Binding in Synaptic Exocytosis. <i>Journal of Neuroscience</i> , 2006, 26, 12556-12565.	3.6	103
106	Phosphatidylinositol Phosphates as Co-activators of Ca ²⁺ Binding to C2 Domains of Synaptotagmin 1*. <i>Journal of Biological Chemistry</i> , 2006, 281, 15845-15852.	3.4	115
107	A minimal domain responsible for Munc13 activity. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 1017-1018.	8.2	170
108	Augmenting neurotransmitter release by enhancing the apparent Ca ²⁺ affinity of synaptotagmin 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18664-18669.	7.1	147

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109	C-terminal ECFP Fusion Impairs Synaptotagmin 1 Function. <i>Journal of Biological Chemistry</i> , 2005, 280, 5089-5100.	3.4	32
110	Structurally and functionally unique complexins at retinal ribbon synapses. <i>Journal of Cell Biology</i> , 2005, 169, 669-680.	5.2	176
111	Reinvestigation of the Role of Snapin in Neurotransmitter Release. <i>Journal of Biological Chemistry</i> , 2004, 279, 26251-26256.	3.4	45
112	An essential role for vesicular glutamate transporter 1 (VGLUT1) in postnatal development and control of quantal size. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7158-7163.	7.1	438
113	Subunit Composition and Alternative Splicing Regulate Membrane Delivery of Kainate Receptors. <i>Journal of Neuroscience</i> , 2004, 24, 2506-2515.	3.6	87
114	A Complete Genetic Analysis of Neuronal Rab3 Function. <i>Journal of Neuroscience</i> , 2004, 24, 6629-6637.	3.6	258
115	Calmodulin and Munc13 Form a Ca ²⁺ Sensor/Effector Complex that Controls Short-Term Synaptic Plasticity. <i>Cell</i> , 2004, 118, 389-401.	28.9	256
116	N-Glycosylation Is Essential for Vesicular Targeting of Synaptotagmin 1. <i>Neuron</i> , 2004, 41, 85-99.	8.1	95
117	The Synaptic Vesicle Protein CSP β Prevents Presynaptic Degeneration. <i>Neuron</i> , 2004, 42, 237-251.	8.1	254
118	Molecular mechanisms of active zone function. <i>Current Opinion in Neurobiology</i> , 2003, 13, 509-519.	4.2	122
119	Sr ²⁺ Binding to the Ca ²⁺ Binding Site of the Synaptotagmin 1 C2B Domain Triggers Fast Exocytosis without Stimulating SNARE Interactions. <i>Neuron</i> , 2003, 37, 99-108.	8.1	121
120	Functional Inactivation of a Fraction of Excitatory Synapses in Mice Deficient for the Active Zone Protein Bassoon. <i>Neuron</i> , 2003, 37, 787-800.	8.1	226
121	Move over protein kinase C, you've got company: alternative cellular effectors of diacylglycerol and phorbol esters. <i>Journal of Cell Science</i> , 2002, 115, 4399-4411.	2.0	325
122	Total arrest of spontaneous and evoked synaptic transmission but normal synaptogenesis in the absence of Munc13-mediated vesicle priming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9037-9042.	7.1	504
123	\hat{I}^2 Phorbol Ester- and Diacylglycerol-Induced Augmentation of Transmitter Release Is Mediated by Munc13s and Not by PKCs. <i>Cell</i> , 2002, 108, 121-133.	28.9	451
124	Differential Control of Vesicle Priming and Short-Term Plasticity by Munc13 Isoforms. <i>Neuron</i> , 2002, 33, 411-424.	8.1	302
125	Structure/Function Analysis of Ca ²⁺ Binding to the C ₂ A Domain of Synaptotagmin 1. <i>Journal of Neuroscience</i> , 2002, 22, 8438-8446.	3.6	122
126	The effects of temperature on vesicular supply and release in autaptic cultures of rat and mouse hippocampal neurons. <i>Journal of Physiology</i> , 2002, 539, 523-535.	2.9	138

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127	How to be desensitized. <i>Nature</i> , 2002, 417, 238-239.	27.8	10
128	Functional Interaction of the Active Zone Proteins Munc13-1 and RIM1 in Synaptic Vesicle Priming. <i>Neuron</i> , 2001, 30, 183-196.	8.1	372
129	Heteromeric AMPA Receptors Assemble with a Preferred Subunit Stoichiometry and Spatial Arrangement. <i>Neuron</i> , 2001, 32, 841-853.	8.1	192
130	Mechanism and impact of allosteric AMPA receptor modulation by the Ampakine™ CX546. <i>Neuropharmacology</i> , 2001, 41, 650-663.	4.1	69
131	Complexins Regulate a Late Step in Ca ²⁺ -Dependent Neurotransmitter Release. <i>Cell</i> , 2001, 104, 71-81.	28.9	465
132	Identification of Differentiation-Associated Brain-Specific Phosphate Transporter as a Second Vesicular Glutamate Transporter (VGLUT2). <i>Journal of Neuroscience</i> , 2001, 21, RC182-RC182.	3.6	358
133	Synaptotagmin I functions as a calcium regulator of release probability. <i>Nature</i> , 2001, 410, 41-49.	27.8	857
134	Identification of a vesicular glutamate transporter that defines a glutamatergic phenotype in neurons. <i>Nature</i> , 2000, 407, 189-194.	27.8	771
135	Differences in Ca ²⁺ buffering properties between excitatory and inhibitory hippocampal neurons from the rat. <i>Journal of Physiology</i> , 2000, 525, 405-418.	2.9	120
136	Regulation of transmitter release by Unc-13 and its homologues. <i>Current Opinion in Neurobiology</i> , 2000, 10, 303-311.	4.2	204
137	Munc13-1 is essential for fusion competence of glutamatergic synaptic vesicles. <i>Nature</i> , 1999, 400, 457-461.	27.8	664
138	SV2. <i>Neuron</i> , 1999, 24, 766-768.	8.1	14
139	A Point Mutation in the Glutamate Binding Site Blocks Desensitization of AMPA Receptors. <i>Neuron</i> , 1998, 21, 907-918.	8.1	233
140	The Tetrameric Structure of a Glutamate Receptor Channel. <i>Science</i> , 1998, 280, 1596-1599.	12.6	706
141	The rate of aldehyde fixation of the exocytotic machinery in cultured hippocampal synapses. <i>Journal of Neuroscience Methods</i> , 1997, 76, 1-5.	2.5	30
142	Definition of the Readily Releasable Pool of Vesicles at Hippocampal Synapses. <i>Neuron</i> , 1996, 16, 1197-1207.	8.1	935
143	Synaptic NMDA receptor channels have a low open probability. <i>Journal of Neuroscience</i> , 1995, 15, 2788-2795.	3.6	144
144	Anchoring of protein kinase A is required for modulation of AMPA/kainate receptors on hippocampal neurons. <i>Nature</i> , 1994, 368, 853-856.	27.8	364

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145	Reduced hippocampal long-term potentiation and context-specific deficit in associative learning in mGluR1 mutant mice. <i>Cell</i> , 1994, 79, 365-375.	28.9	595
146	Calcium-induced actin depolymerization reduces NMDA channel activity. <i>Neuron</i> , 1993, 10, 805-814.	8.1	498
147	Nonuniform probability of glutamate release at a hippocampal synapse. <i>Science</i> , 1993, 262, 754-757.	12.6	610
148	Rundown of N ^α -methyl-D-aspartate channels during whole-cell recording in rat hippocampal neurons: role of Ca ²⁺ and ATP.. <i>Journal of Physiology</i> , 1993, 470, 705-729.	2.9	118
149	Functional Architecture of the Synaptic Transducers at a Central Glutamatergic Synapse. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
150	Syntaxin-1A modulates vesicle fusion in mammalian neurons via juxtamembrane domain dependent palmitoylation of its transmembrane domain. <i>ELife</i> , 0, 11, .	6.0	10