

# Erica Seigneur

## 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.

140  
papers

18,107  
citations

53  
h-index

134  
g-index

150  
ext. papers

22,187  
ext. citations

17.9  
avg, IF

7.78  
L-index

#	Paper	IF	Citations
140	RIBEYE B-Domain Is Essential for RIBEYE A-Domain Stability and Assembly of Synaptic Ribbons.. <i>Frontiers in Molecular Neuroscience</i> , <b>2022</b> , 15, 838311	6.1	0
139	Treatment of a genetic brain disease by CNS-wide microglia replacement.. <i>Science Translational Medicine</i> , <b>2022</b> , 14, eabl9945	17.5	1
138	Engineered synaptic tools reveal localized cAMP signaling in synapse assembly.. <i>Journal of Cell Biology</i> , <b>2022</b> , 221,	7.3	2
137	Teneurins assemble into presynaptic nanoclusters that promote synapse formation via postsynaptic non-teneurin ligands.. <i>Nature Communications</i> , <b>2022</b> , 13, 2297	17.4	2
136	Transsynaptic cerebellin 4-neogenin 1 signaling mediates LTP in the mouse dentate gyrus.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2123421119 <sup>11.5</sup>	11.5	1
135	Myt1l haploinsufficiency leads to obesity and multifaceted behavioral alterations in mice.. <i>Molecular Autism</i> , <b>2022</b> , 13, 19	6.5	0
134	Molecular self-avoidance in synaptic neurexin complexes.. <i>Science Advances</i> , <b>2021</b> , 7, eabk1924	14.3	2
133	RTN4/NoGo-receptor binding to BAI adhesion-GPCRs regulates neuronal development. <i>Cell</i> , <b>2021</b> , 184, 5869-5885.e25	56.2	7
132	Latrophilin GPCR signaling mediates synapse formation. <i>ELife</i> , <b>2021</b> , 10,	8.9	13
131	The Perils of Navigating Activity-Dependent Alternative Splicing of Neurexins. <i>Frontiers in Molecular Neuroscience</i> , <b>2021</b> , 14, 659681	6.1	2
130	Neurexins regulate presynaptic GABA-receptors at central synapses. <i>Nature Communications</i> , <b>2021</b> , 12, 2380	17.4	5
129	Cannabinoid receptor activation acutely increases synaptic vesicle numbers by activating synapsins in human synapses. <i>Molecular Psychiatry</i> , <b>2021</b> ,	15.1	3
128	Biallelic variants in TSPOAP1, encoding the active-zone protein RIMBP1, cause autosomal recessive dystonia. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	2
127	Cross-platform validation of neurotransmitter release impairments in schizophrenia patient-derived -mutant neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	7
126	GluD1 is a signal transduction device disguised as an ionotropic receptor. <i>Nature</i> , <b>2021</b> , 595, 261-265	50.4	12
125	Cerebellin-2 regulates a serotonergic dorsal raphe circuit that controls compulsive behaviors. <i>Molecular Psychiatry</i> , <b>2021</b> ,	15.1	5
124	A simple Ca-imaging approach to neural network analyses in cultured neurons. <i>Journal of Neuroscience Methods</i> , <b>2021</b> , 349, 109041	3	3

123	Multiple signaling pathways are essential for synapse formation induced by synaptic adhesion molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	7
122	CB1 receptor activation rapidly alters synaptic vesicle numbers in mouse hippocampal synapses.. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 6103	15.1	
121	A Synaptic Circuit Required for Acquisition but Not Recall of Social Transmission of Food Preference. <i>Neuron</i> , <b>2020</b> , 107, 144-157.e4	13.9	18
120	Neurexins cluster Ca channels within the presynaptic active zone. <i>EMBO Journal</i> , <b>2020</b> , 39, e103208	13	25
119	Pro-neuronal activity of Myod1 due to promiscuous binding to neuronal genes. <i>Nature Cell Biology</i> , <b>2020</b> , 22, 401-411	23.4	16
118	Evolution of the Autism-Associated Neuroligin-4 Gene Reveals Broad Erosion of Pseudoautosomal Regions in Rodents. <i>Molecular Biology and Evolution</i> , <b>2020</b> , 37, 1243-1258	8.3	10
117	Alternative splicing controls teneurin-latrophilin interaction and synapse specificity by a shape-shifting mechanism. <i>Nature Communications</i> , <b>2020</b> , 11, 2140	17.4	12
116	LAR receptor phospho-tyrosine phosphatases regulate NMDA-receptor responses. <i>ELife</i> , <b>2020</b> , 9,	8.9	20
115	Latrophilin-2 and latrophilin-3 are redundantly essential for parallel-fiber synapse function in cerebellum. <i>ELife</i> , <b>2020</b> , 9,	8.9	11
114	Deorphanizing FAM19A proteins as pan-neurexin ligands with an unusual biosynthetic binding mechanism. <i>Journal of Cell Biology</i> , <b>2020</b> , 219,	7.3	11
113	Continuous and Discrete Neuron Types of the Adult Murine Striatum. <i>Neuron</i> , <b>2020</b> , 105, 688-699.e8	13.9	42
112	Persistent transcriptional programmes are associated with remote memory. <i>Nature</i> , <b>2020</b> , 587, 437-442	50.4	15
111	A Trio of Active Zone Proteins Comprised of RIM-BPs, RIMs, and Munc13s Governs Neurotransmitter Release. <i>Cell Reports</i> , <b>2020</b> , 32, 107960	10.6	12
110	Neuromodulator Signaling Bidirectionally Controls Vesicle Numbers in Human Synapses. <i>Cell</i> , <b>2019</b> , 179, 498-513.e22	56.2	28
109	Direct Reprogramming of Human Neurons Identifies MARCKSL1 as a Pathogenic Mediator of Valproic Acid-Induced Teratogenicity. <i>Cell Stem Cell</i> , <b>2019</b> , 25, 103-119.e6	18	20
108	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. <i>Neuron</i> , <b>2019</b> , 103, 217-234.e4	13.9	147
107	Specific factors in blood from young but not old mice directly promote synapse formation and NMDA-receptor recruitment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 12524-12533	11.5	43
106	Ablation of All Synaptobrevin vSNAREs Blocks Evoked But Not Spontaneous Neurotransmitter Release at Neuromuscular Synapses. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 6049-6066	6.6	11

105	Alternative Splicing of Presynaptic Neurexins Differentially Controls Postsynaptic NMDA and AMPA Receptor Responses. <i>Neuron</i> , <b>2019</b> , 102, 993-1008.e5	13.9	53
104	Neuroigin-1 Signaling Controls LTP and NMDA Receptors by Distinct Molecular Pathways. <i>Neuron</i> , <b>2019</b> , 102, 621-635.e3	13.9	39
103	Differential Signaling Mediated by ApoE2, ApoE3, and ApoE4 in Human Neurons Parallels Alzheimer's Disease Risk. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 7408-7427	6.6	44
102	Synaptic neurexin-1 assembles into dynamically regulated active zone nanoclusters. <i>Journal of Cell Biology</i> , <b>2019</b> , 218, 2677-2698	7.3	42
101	Neuroigin-4 Regulates Excitatory Synaptic Transmission in Human Neurons. <i>Neuron</i> , <b>2019</b> , 103, 617-626.e6	13.9	36
100	Structures of neurexophilin-neurexin complexes reveal a regulatory mechanism of alternative splicing. <i>EMBO Journal</i> , <b>2019</b> , 38, e101603	13	7
99	A toolbox of nanobodies developed and validated for use as intrabodies and nanoscale immunolabels in mammalian brain neurons. <i>ELife</i> , <b>2019</b> , 8,	8.9	25
98	Synaptic retinoic acid receptor signaling mediates mTOR-dependent metaplasticity that controls hippocampal learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 7113-7122	11.5	25
97	Latrophilin GPCRs direct synapse specificity by coincident binding of FLRTs and teneurins. <i>Science</i> , <b>2019</b> , 363,	33.3	92
96	Genetic Ablation of All Cerebellins Reveals Synapse Organizer Functions in Multiple Regions Throughout the Brain. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 4774-4790	6.6	31
95	The Neurobiology of Opioid Addiction and the Potential for Prevention Strategies. <i>JAMA - Journal of the American Medical Association</i> , <b>2018</b> , 319, 2071-2072	27.4	15
94	Structural Basis for Teneurin Function in Circuit-Wiring: A Toxin Motif at the Synapse. <i>Cell</i> , <b>2018</b> , 173, 735-748.e15	56.2	73
93	Autism-associated neuroigin-4 mutation selectively impairs glycinergic synaptic transmission in mouse brainstem synapses. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 1543-1553	16.6	16
92	Cell Biology and Pathophysiology of Synuclein. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2018</b> , 8,	5.4	176
91	The fragile X mutation impairs homeostatic plasticity in human neurons by blocking synaptic retinoic acid signaling. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	42
90	Transdifferentiation of human adult peripheral blood T cells into neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 6470-6475	11.5	48
89	Cbln2 and Cbln4 are expressed in distinct medial habenula-interpeduncular projections and contribute to different behavioral outputs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E10235-E10244	11.5	13
88	Retinoic Acid Receptor-Dependent Synaptic Signaling Mediates Homeostatic Synaptic Plasticity at the Inhibitory Synapses of Mouse Visual Cortex. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 10454-10466	6.6	19

87	Towards an Understanding of Synapse Formation. <i>Neuron</i> , <b>2018</b> , 100, 276-293	13.9	236
86	A central amygdala to zona incerta projection is required for acquisition and remote recall of conditioned fear memory. <i>Nature Neuroscience</i> , <b>2018</b> , 21, 1515-1519	25.5	33
85	Deletion of in adult mice impairs basal AMPA receptor transmission and LTP in hippocampal CA1 pyramidal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E5382-E5389	11.5	30
84	RIM-binding proteins recruit BK-channels to presynaptic release sites adjacent to voltage-gated Ca-channels. <i>EMBO Journal</i> , <b>2018</b> , 37,	13	11
83	ApoE2, ApoE3, and ApoE4 Differentially Stimulate APP Transcription and A $\beta$ Secretion. <i>Cell</i> , <b>2017</b> , 168, 427-441.e21	56.2	254
82	Modulation of excitation on parvalbumin interneurons by neuroligin-3 regulates the hippocampal network. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 219-229	25.5	42
81	Carbonic anhydrase-related protein CA10 is an evolutionarily conserved pan-neurexin ligand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E1253-E1262	11.5	46
80	ELKS1 localizes the synaptic vesicle priming protein bMunc13-2 to a specific subset of active zones. <i>Journal of Cell Biology</i> , <b>2017</b> , 216, 1143-1161	7.3	31
79	Generation of pure GABAergic neurons by transcription factor programming. <i>Nature Methods</i> , <b>2017</b> , 14, 621-628	21.6	179
78	Conditional Deletion of All Neurexins Defines Diversity of Essential Synaptic Organizer Functions for Neurexins. <i>Neuron</i> , <b>2017</b> , 94, 611-625.e4	13.9	101
77	Synaptotagmin-7-Mediated Asynchronous Release Boosts High-Fidelity Synchronous Transmission at a Central Synapse. <i>Neuron</i> , <b>2017</b> , 94, 826-839.e3	13.9	53
76	Anatomical and Behavioral Investigation of C1ql3 in the Mouse Suprachiasmatic Nucleus. <i>Journal of Biological Rhythms</i> , <b>2017</b> , 32, 222-236	3.2	7
75	Myt1l safeguards neuronal identity by actively repressing many non-neuronal fates. <i>Nature</i> , <b>2017</b> , 544, 245-249	50.4	112
74	Postsynaptic synaptotagmins mediate AMPA receptor exocytosis during LTP. <i>Nature</i> , <b>2017</b> , 544, 316-321	50.4	106
73	Presynaptic Neuronal Pentraxin Receptor Organizes Excitatory and Inhibitory Synapses. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 1062-1080	6.6	63
72	Molecular Neuroscience in the 21 Century: A Personal Perspective. <i>Neuron</i> , <b>2017</b> , 96, 536-541	13.9	43
71	Synaptic Neurexin Complexes: A Molecular Code for the Logic of Neural Circuits. <i>Cell</i> , <b>2017</b> , 171, 745-769	36.2	339
70	Postsynaptic adhesion GPCR latrophilin-2 mediates target recognition in entorhinal-hippocampal synapse assembly. <i>Journal of Cell Biology</i> , <b>2017</b> , 216, 3831-3846	7.3	52

69	Exceptionally tight membrane-binding may explain the key role of the synaptotagmin-7 CA domain in asynchronous neurotransmitter release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E8518-E8527	11.5	21
68	Efficient stimulus-secretion coupling at ribbon synapses requires RIM-binding protein tethering of L-type Ca channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E8081-E8090	11.5	16
67	Cerebellins are differentially expressed in selective subsets of neurons throughout the brain. <i>Journal of Comparative Neurology</i> , <b>2017</b> , 525, 3286-3311	3.4	31
66	The primed SNARE-complexin-synaptotagmin complex for neuronal exocytosis. <i>Nature</i> , <b>2017</b> , 548, 420-425	35.4	134
65	IGF1-Dependent Synaptic Plasticity of Mitral Cells in Olfactory Memory during Social Learning. <i>Neuron</i> , <b>2017</b> , 95, 106-122.e5	13.9	32
64	Expression of C1ql3 in Discrete Neuronal Populations Controls Efferent Synapse Numbers and Diverse Behaviors. <i>Neuron</i> , <b>2016</b> , 91, 1034-1051	13.9	50
63	Neuroligins Are Selectively Essential for NMDAR Signaling in Cerebellar Stellate Interneurons. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 9070-83	6.6	27
62	Single-cell RNAseq reveals cell adhesion molecule profiles in electrophysiologically defined neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E5222-31	11.5	111
61	How to Make an Active Zone: Unexpected Universal Functional Redundancy between RIMs and RIM-BPs. <i>Neuron</i> , <b>2016</b> , 91, 792-807	13.9	85
60	Cellular Taxonomy of the Mouse Striatum as Revealed by Single-Cell RNA-Seq. <i>Cell Reports</i> , <b>2016</b> , 16, 1126-1137	10.6	227
59	C-terminal domain of mammalian complexin-1 localizes to highly curved membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E7590-E7599	11.5	38
58	Autism-associated SHANK3 haploinsufficiency causes Ih channelopathy in human neurons. <i>Science</i> , <b>2016</b> , 352, aaf2669	33.3	169
57	The conditional KO approach: Cre/Lox technology in human neurons. <i>Rare Diseases (Austin, Tex)</i> , <b>2016</b> , 4, e1131884		9
56	Truth in Science Publishing: A Personal Perspective. <i>PLoS Biology</i> , <b>2016</b> , 14, e1002547	9.7	5
55	Extended Synaptotagmin (ESyt) Triple Knock-Out Mice Are Viable and Fertile without Obvious Endoplasmic Reticulum Dysfunction. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158295	3.7	44
54	FoxO3 regulates neuronal reprogramming of cells from postnatal and aging mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 8514-9	11.5	17
53	Conditional deletion of L1CAM in human neurons impairs both axonal and dendritic arborization and action potential generation. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 499-515	16.6	43
52	Neurexins Control Neural Circuits by Regulating Synaptic Endocannabinoid Signaling. <i>Cell</i> , <b>2015</b> , 162, 593-606	56.2	88

51	Structural Basis of Latrophilin-FLRT-UNC5 Interaction in Cell Adhesion. <i>Structure</i> , <b>2015</b> , 23, 1678-1691	5.2	74
50	Single-Cell mRNA Profiling Reveals Cell-Type-Specific Expression of Neurexin Isoforms. <i>Neuron</i> , <b>2015</b> , 87, 326-40	13.9	101
49	Synaptic Function of Rab11Fip5: Selective Requirement for Hippocampal Long-Term Depression. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 7460-74	6.6	18
48	Structures of C1q-like proteins reveal unique features among the C1q/TNF superfamily. <i>Structure</i> , <b>2015</b> , 23, 688-99	5.2	37
47	Definition of a molecular pathway mediating $\beta$ synuclein neurotoxicity. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 5221-32	6.6	128
46	Retinoic Acid and LTP Recruit Postsynaptic AMPA Receptors Using Distinct SNARE-Dependent Mechanisms. <i>Neuron</i> , <b>2015</b> , 86, 442-56	13.9	52
45	RIM-BPs Mediate Tight Coupling of Action Potentials to Ca <sup>2+</sup> -Triggered Neurotransmitter Release. <i>Neuron</i> , <b>2015</b> , 87, 1234-1247	13.9	66
44	Synaptotagmin-7 Is Essential for Ca <sup>2+</sup> -Triggered Delayed Asynchronous Release But Not for Ca <sup>2+</sup> -Dependent Vesicle Priming in Retinal Ribbon Synapses. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 11024-33	6.6	33
43	Synaptotagmin-7 phosphorylation mediates GLP-1-dependent potentiation of insulin secretion from $\beta$ -cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 9996-10001	11.5	46
42	Ubiquitin-Synaptobrevin Fusion Protein Causes Degeneration of Presynaptic Motor Terminals in Mice. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 11514-31	6.6	14
41	Human Neuropsychiatric Disease Modeling using Conditional Deletion Reveals Synaptic Transmission Defects Caused by Heterozygous Mutations in NRXN1. <i>Cell Stem Cell</i> , <b>2015</b> , 17, 316-28	18	136
40	Propagation of prions causing synucleinopathies in cultured cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E4949-58	11.5	152
39	Architecture of the synaptotagmin-SNARE machinery for neuronal exocytosis. <i>Nature</i> , <b>2015</b> , 525, 62-7	50.4	192
38	Neuroligins Sculpt Cerebellar Purkinje-Cell Circuits by Differential Control of Distinct Classes of Synapses. <i>Neuron</i> , <b>2015</b> , 87, 781-96	13.9	85
37	RIM1 and RIM2 redundantly determine Ca <sup>2+</sup> channel density and readily releasable pool size at a large hindbrain synapse. <i>Journal of Neurophysiology</i> , <b>2015</b> , 113, 255-63	3.2	27
36	Distinct circuit-dependent functions of presynaptic neurexin-3 at GABAergic and glutamatergic synapses. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 997-1007	25.5	68
35	Dynamic binding mode of a Synaptotagmin-1-SNARE complex in solution. <i>Nature Structural and Molecular Biology</i> , <b>2015</b> , 22, 555-64	17.6	99
34	Reproducibility: Experimental mismatch in neural circuits. <i>Nature</i> , <b>2015</b> , 528, 338-9	50.4	16

33	Synaptotagmin-1 and -7 Are Redundantly Essential for Maintaining the Capacity of the Readily-Releasable Pool of Synaptic Vesicles. <i>PLoS Biology</i> , <b>2015</b> , 13, e1002267	9.7	55
32	The morphological and molecular nature of synaptic vesicle priming at presynaptic active zones. <i>Neuron</i> , <b>2014</b> , 84, 416-31	13.9	235
31	βSynuclein assembles into higher-order multimers upon membrane binding to promote SNARE complex formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E4274-83	11.5	292
30	Autism-associated neuroligin-3 mutations commonly impair striatal circuits to boost repetitive behaviors. <i>Cell</i> , <b>2014</b> , 158, 198-212	56.2	279
29	The active zone protein family ELKS supports Ca <sup>2+</sup> influx at nerve terminals of inhibitory hippocampal neurons. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 12289-303	6.6	47
28	Generation of induced neuronal cells by the single reprogramming factor ASCL1. <i>Stem Cell Reports</i> , <b>2014</b> , 3, 282-96	8	239
27	Structure and Ca <sup>2+</sup> -binding properties of the tandem C <sub>2</sub> domains of E-Syt2. <i>Structure</i> , <b>2014</b> , 22, 269-80	5.2	33
26	Calsynenins function as synaptogenic adhesion molecules in concert with neuroligins. <i>Cell Reports</i> , <b>2014</b> , 6, 1096-1109	10.6	58
25	Microsecond dissection of neurotransmitter release: SNARE-complex assembly dictates speed and Ca <sup>2+</sup> sensitivity. <i>Neuron</i> , <b>2014</b> , 82, 1088-100	13.9	41
24	Der molekulare Mechanismus der Neurotransmitterfreisetzung und Nervenzell-Synapsen (Nobel-Aufsatz). <i>Angewandte Chemie</i> , <b>2014</b> , 126, 12906-12931	3.6	1
23	Synaptic function of nicastrin in hippocampal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 8973-8	11.5	22
22	Direct visualization of trans-synaptic neuroligin-neurexin interactions during synapse formation. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 15083-96	6.6	33
21	The molecular machinery of neurotransmitter release (Nobel lecture). <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 12696-717	16.4	103
20	Neurotransmitter release: the last millisecond in the life of a synaptic vesicle. <i>Neuron</i> , <b>2013</b> , 80, 675-90	13.9	690
19	A molecular machine for neurotransmitter release: synaptotagmin and beyond. <i>Nature Medicine</i> , <b>2013</b> , 19, 1227-31	50.5	136
18	High affinity neuroligin binding to cell adhesion G-protein-coupled receptor CIRL1/latrophilin-1 produces an intercellular adhesion complex. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 9399-413	5.4	117
17	The presynaptic active zone. <i>Neuron</i> , <b>2012</b> , 75, 11-25	13.9	631
16	Calcium control of neurotransmitter release. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2012</b> , 4, a011353	10.2	257



15	Synaptic vesicle exocytosis. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2011</b> , 3,	10.2	316
14	Membrane fusion: grappling with SNARE and SM proteins. <i>Science</i> , <b>2009</b> , 323, 474-7	33.3	1425
13	Neuroligins and neuroligins link synaptic function to cognitive disease. <i>Nature</i> , <b>2008</b> , 455, 903-11	50.4	1278
12	Understanding synapses: past, present, and future. <i>Neuron</i> , <b>2008</b> , 60, 469-76	13.9	113
11	Membrane fusion as a team effort. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 13541-2	11.5	19
10	Synaptic vesicles: an organelle comes of age. <i>Cell</i> , <b>2006</b> , 127, 671-3	56.2	13
9	The synaptic vesicle cycle. <i>Annual Review of Neuroscience</i> , <b>2004</b> , 27, 509-47	17	1850
8	Structure and evolution of neuroligin genes: insight into the mechanism of alternative splicing. <i>Genomics</i> , <b>2002</b> , 79, 849-59	4.3	221
7	alpha-Latrotoxin and its receptors: neuroligins and CIRL/latrophilins. <i>Annual Review of Neuroscience</i> , <b>2001</b> , 24, 933-62	17	172
6	Munc13-1 is essential for fusion competence of glutamatergic synaptic vesicles. <i>Nature</i> , <b>1999</b> , 400, 457-61	50.4	570
5	Membrane fusion and exocytosis. <i>Annual Review of Biochemistry</i> , <b>1999</b> , 68, 863-911	29.1	1029
4	Synaptic vesicle fusion complex contains unc-18 homologue bound to syntaxin. <i>Nature</i> , <b>1993</b> , 366, 347-51	30.4	620
3	A small GTP-binding protein dissociates from synaptic vesicles during exocytosis. <i>Nature</i> , <b>1991</b> , 349, 79-81	50.4	419
2	Phospholipid binding by a synaptic vesicle protein homologous to the regulatory region of protein kinase C. <i>Nature</i> , <b>1990</b> , 345, 260-3	50.4	735
1	Putative receptor for inositol 1,4,5-trisphosphate similar to ryanodine receptor. <i>Nature</i> , <b>1989</b> , 342, 192-5	50.4	513