

# Erica Seigneur

## List of Publications by Year in descending order

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143  
papers

24,761  
citations

20759

60  
h-index

9553

142  
g-index

150  
all docs

150  
docs citations

150  
times ranked

24372  
citing authors

#	ARTICLE	IF	CITATIONS
1	THE SYNAPTIC VESICLE CYCLE. Annual Review of Neuroscience, 2004, 27, 509-547.	5.0	2,090
2	Membrane Fusion: Grappling with SNARE and SM Proteins. Science, 2009, 323, 474-477.	6.0	1,754
3	Neurexins and neuroligins link synaptic function to cognitive disease. Nature, 2008, 455, 903-911.	13.7	1,577
4	Membrane Fusion and Exocytosis. Annual Review of Biochemistry, 1999, 68, 863-911.	5.0	1,136
5	Neurotransmitter Release: The Last Millisecond in the Life of a Synaptic Vesicle. Neuron, 2013, 80, 675-690.	3.8	952
6	The Presynaptic Active Zone. Neuron, 2012, 75, 11-25.	3.8	863
7	Phospholipid binding by a synaptic vesicle protein homologous to the regulatory region of protein kinase C. Nature, 1990, 345, 260-263.	13.7	788
8	Synaptic vesicle fusion complex contains unc-18 homologue bound to syntaxin. Nature, 1993, 366, 347-351.	13.7	682
9	Munc13-1 is essential for fusion competence of glutamatergic synaptic vesicles. Nature, 1999, 400, 457-461.	13.7	664
10	Synaptic Neurexin Complexes: A Molecular Code for the Logic of Neural Circuits. Cell, 2017, 171, 745-769.	13.5	608
11	Putative receptor for inositol 1,4,5-trisphosphate similar to ryanodine receptor. Nature, 1989, 342, 192-195.	13.7	547
12	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. Neuron, 2019, 103, 217-234.e4.	3.8	518
13	Towards an Understanding of Synapse Formation. Neuron, 2018, 100, 276-293.	3.8	445
14	A small GTP-binding protein dissociates from synaptic vesicles during exocytosis. Nature, 1991, 349, 79-81.	13.7	438
15	Synaptic Vesicle Exocytosis. Cold Spring Harbor Perspectives in Biology, 2011, 3, a005637-a005637.	2.3	399
16	Autism-Associated Neuroligin-3 Mutations Commonly Impair Striatal Circuits to Boost Repetitive Behaviors. Cell, 2014, 158, 198-212.	13.5	397
17	Î±-Synuclein assembles into higher-order multimers upon membrane binding to promote SNARE complex formation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4274-83.	3.3	382
18	ApoE2, ApoE3, and ApoE4 Differentially Stimulate APP Transcription and AÎ² Secretion. Cell, 2017, 168, 427-441.e21.	13.5	372

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19	Cell Biology and Pathophysiology of $\alpha$ -Synuclein. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a024091.	2.9	353
20	Calcium Control of Neurotransmitter Release. Cold Spring Harbor Perspectives in Biology, 2012, 4, a011353-a011353.	2.3	352
21	The Morphological and Molecular Nature of Synaptic Vesicle Priming at Presynaptic Active Zones. Neuron, 2014, 84, 416-431.	3.8	344
22	Cellular Taxonomy of the Mouse Striatum as Revealed by Single-Cell RNA-Seq. Cell Reports, 2016, 16, 1126-1137.	2.9	344
23	Generation of Induced Neuronal Cells by the Single Reprogramming Factor ASCL1. Stem Cell Reports, 2014, 3, 282-296.	2.3	312
24	Autism-associated SHANK3 haploinsufficiency causes <i>h</i> channelopathy in human neurons. Science, 2016, 352, aaf2669.	6.0	270
25	Architecture of the synaptotagminâ€“SNARE machinery for neuronal exocytosis. Nature, 2015, 525, 62-67.	13.7	268
26	Generation of pure GABAergic neurons by transcription factor programming. Nature Methods, 2017, 14, 621-628.	9.0	265
27	Structure and Evolution of Neurexin Genes: Insight into the Mechanism of Alternative Splicing. Genomics, 2002, 79, 849-859.	1.3	255
28	The primed SNAREâ€“complexinâ€“synaptotagmin complex for neuronal exocytosis. Nature, 2017, 548, 420-425.	13.7	229
29	$\alpha$ -Latrotoxin and Its Receptors: Neurexins and CIRL/Latrophilins. Annual Review of Neuroscience, 2001, 24, 933-962.	5.0	204
30	Propagation of prions causing synucleinopathies in cultured cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4949-58.	3.3	191
31	Human Neuropsychiatric Disease Modeling using Conditional Deletion Reveals Synaptic Transmission Defects Caused by Heterozygous Mutations in NRXN1. Cell Stem Cell, 2015, 17, 316-328.	5.2	187
32	Myt1l safeguards neuronal identity by actively repressing many non-neuronal fates. Nature, 2017, 544, 245-249.	13.7	180
33	Conditional Deletion of All Neurexins Defines Diversity of Essential Synaptic Organizer Functions for Neurexins. Neuron, 2017, 94, 611-625.e4.	3.8	170
34	Latrophilin GPCRs direct synapse specificity by coincident binding of FLRTs and teneurins. Science, 2019, 363, .	6.0	169
35	Definition of a Molecular Pathway Mediating $\alpha$ -Synuclein Neurotoxicity. Journal of Neuroscience, 2015, 35, 5221-5232.	1.7	168
36	Single-cell RNAseq reveals cell adhesion molecule profiles in electrophysiologically defined neurons. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5222-31.	3.3	162

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37	A molecular machine for neurotransmitter release: synaptotagmin and beyond. <i>Nature Medicine</i> , 2013, 19, 1227-1231.	15.2	158
38	Understanding Synapses: Past, Present, and Future. <i>Neuron</i> , 2008, 60, 469-476.	3.8	153
39	Postsynaptic synaptotagmins mediate AMPA receptor exocytosis during LTP. <i>Nature</i> , 2017, 544, 316-321.	13.7	153
40	High Affinity Neurexin Binding to Cell Adhesion G-protein-coupled Receptor CIRL1/Latrophilin-1 Produces an Intercellular Adhesion Complex. <i>Journal of Biological Chemistry</i> , 2012, 287, 9399-9413.	1.6	147
41	The Molecular Machinery of Neurotransmitter Release (Nobel Lecture). <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12696-12717.	7.2	145
42	Single-Cell mRNA Profiling Reveals Cell-Type-Specific Expression of Neurexin Isoforms. <i>Neuron</i> , 2015, 87, 326-340.	3.8	144
43	How to Make an Active Zone: Unexpected Universal Functional Redundancy between RIMs and RIM-BPs. <i>Neuron</i> , 2016, 91, 792-807.	3.8	133
44	Dynamic binding mode of a Synaptotagmin-1â€“SNARE complex in solution. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 555-564.	3.6	129
45	Neurexins Sculpt Cerebellar Purkinje-Cell Circuits by Differential Control of Distinct Classes of Synapses. <i>Neuron</i> , 2015, 87, 781-796.	3.8	128
46	Î²-Neurexins Control Neural Circuits by Regulating Synaptic Endocannabinoid Signaling. <i>Cell</i> , 2015, 162, 593-606.	13.5	123
47	Structural Basis for Teneurin Function in Circuit-Wiring: A Toxin Motif at the Synapse. <i>Cell</i> , 2018, 173, 735-748.e15.	13.5	119
48	Distinct circuit-dependent functions of presynaptic neurexin-3 at GABAergic and glutamatergic synapses. <i>Nature Neuroscience</i> , 2015, 18, 997-1007.	7.1	109
49	Presynaptic Neuronal Pentraxin Receptor Organizes Excitatory and Inhibitory Synapses. <i>Journal of Neuroscience</i> , 2017, 37, 1062-1080.	1.7	102
50	Structural Basis of Latrophilin-FLRT-UNC5 Interaction in Cell Adhesion. <i>Structure</i> , 2015, 23, 1678-1691.	1.6	101
51	Alternative Splicing of Presynaptic Neurexins Differentially Controls Postsynaptic NMDA and AMPA Receptor Responses. <i>Neuron</i> , 2019, 102, 993-1008.e5.	3.8	99
52	RIM-BPs Mediate Tight Coupling of Action Potentials to Ca <sup>2+</sup> -Triggered Neurotransmitter Release. <i>Neuron</i> , 2015, 87, 1234-1247.	3.8	97
53	Continuous and Discrete Neuron Types of the Adult Murine Striatum. <i>Neuron</i> , 2020, 105, 688-699.e8.	3.8	92
54	Postsynaptic adhesion GPCR latrophilin-2 mediates target recognition in entorhinal-hippocampal synapse assembly. <i>Journal of Cell Biology</i> , 2017, 216, 3831-3846.	2.3	86

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55	Differential Signaling Mediated by ApoE2, ApoE3, and ApoE4 in Human Neurons Parallels Alzheimer's Disease Risk. <i>Journal of Neuroscience</i> , 2019, 39, 7408-7427.	1.7	85
56	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> , 2019, 116, 12524-12533.	3.3	82
57	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> , 2017, 114, E1253-E1262.	3.3	81
58	Synaptotagmin-7-Mediated Asynchronous Release Boosts High-Fidelity Synchronous Transmission at a Central Synapse. <i>Neuron</i> , 2017, 94, 826-839.e3.	3.8	81
59	A central amygdala to zona incerta projection is required for acquisition and remote recall of conditioned fear memory. <i>Nature Neuroscience</i> , 2018, 21, 1515-1519.	7.1	80
60	The fragile X mutation impairs homeostatic plasticity in human neurons by blocking synaptic retinoic acid signaling. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	79
61	Synaptic neurexin-1 assembles into dynamically regulated active zone nanoclusters. <i>Journal of Cell Biology</i> , 2019, 218, 2677-2698.	2.3	78
62	Expression of C1q13 in Discrete Neuronal Populations Controls Efferent Synapse Numbers and Diverse Behaviors. <i>Neuron</i> , 2016, 91, 1034-1051.	3.8	75
63	Neuroigin-4 Regulates Excitatory Synaptic Transmission in Human Neurons. <i>Neuron</i> , 2019, 103, 617-626.e6.	3.8	75
64	Retinoic Acid and LTP Recruit Postsynaptic AMPA Receptors Using Distinct SNARE-Dependent Mechanisms. <i>Neuron</i> , 2015, 86, 442-456.	3.8	72
65	Calsyntenins Function as Synptogenic Adhesion Molecules in Concert with Neurexins. <i>Cell Reports</i> , 2014, 6, 1096-1109.	2.9	71
66	Modulation of excitation on parvalbumin interneurons by neuroigin-3 regulates the hippocampal network. <i>Nature Neuroscience</i> , 2017, 20, 219-229.	7.1	71
67	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> , 2018, 115, 6470-6475.	3.3	71
68	Synaptotagmin-1 and -7 Are Redundantly Essential for Maintaining the Capacity of the Readily-Releasable Pool of Synaptic Vesicles. <i>PLoS Biology</i> , 2015, 13, e1002267.	2.6	71
69	Neuroigin-1 Signaling Controls LTP and NMDA Receptors by Distinct Molecular Pathways. <i>Neuron</i> , 2019, 102, 621-635.e3.	3.8	67
70	The Active Zone Protein Family ELKS Supports Ca <sup>2+</sup> Influx at Nerve Terminals of Inhibitory Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2014, 34, 12289-12303.	1.7	66
71	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> , 2016, 113, E7590-E7599.	3.3	66
72	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> , 2015, 112, 9996-10001.	3.3	65

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73	Persistent transcriptional programmes are associated with remote memory. <i>Nature</i> , 2020, 587, 437-442.	13.7	61
74	Neuromodulator Signaling Bidirectionally Controls Vesicle Numbers in Human Synapses. <i>Cell</i> , 2019, 179, 498-513.e22.	13.5	59
75	Molecular Neuroscience in the 21st Century: A Personal Perspective. <i>Neuron</i> , 2017, 96, 536-541.	3.8	58
76	Genetic Ablation of All Cerebellins Reveals Synapse Organizer Functions in Multiple Regions Throughout the Brain. <i>Journal of Neuroscience</i> , 2018, 38, 4774-4790.	1.7	58
77	Neurexins cluster Ca <sup>2+</sup> channels within the presynaptic active zone. <i>EMBO Journal</i> , 2020, 39, e103208.	3.5	58
78	Extended Synaptotagmin (ESyt) Triple Knock-Out Mice Are Viable and Fertile without Obvious Endoplasmic Reticulum Dysfunction. <i>PLoS ONE</i> , 2016, 11, e0158295.	1.1	58
79	Microsecond Dissection of Neurotransmitter Release: SNARE-Complex Assembly Dictates Speed and Ca <sup>2+</sup> Sensitivity. <i>Neuron</i> , 2014, 82, 1088-1100.	3.8	56
80	Structures of C1q-like Proteins Reveal Unique Features among the C1q/TNF Superfamily. <i>Structure</i> , 2015, 23, 688-699.	1.6	56
81	Conditional deletion of <i>L1CAM</i> in human neurons impairs both axonal and dendritic arborization and action potential generation. <i>Journal of Experimental Medicine</i> , 2016, 213, 499-515.	4.2	56
82	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> , 2015, 35, 11024-11033.	1.7	53
83	Direct Visualization of <i>Trans-Synaptic Neurexin-Neuroigin Interactions during Synapse Formation</i> . <i>Journal of Neuroscience</i> , 2014, 34, 15083-15096.	1.7	51
84	Deletion of <i>LRRTM1</i> and <i>LRRTM2</i> 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> , 2018, 115, E5382-E5389.	3.3	51
85	GluD1 is a signal transduction device disguised as an ionotropic receptor. <i>Nature</i> , 2021, 595, 261-265.	13.7	51
86	Cross-platform validation of neurotransmitter release impairments in schizophrenia patient-derived <i>NRXN1</i> -mutant neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	49
87	Cerebellins are differentially expressed in selective subsets of neurons throughout the brain. <i>Journal of Comparative Neurology</i> , 2017, 525, 3286-3311.	0.9	48
88	IGF1-Dependent Synaptic Plasticity of Mitral Cells in Olfactory Memory during Social Learning. <i>Neuron</i> , 2017, 95, 106-122.e5.	3.8	48
89	RTN4/NoGo-receptor binding to BAI adhesion-GPCRs regulates neuronal development. <i>Cell</i> , 2021, 184, 5869-5885.e25.	13.5	45
90	Treatment of a genetic brain disease by CNS-wide microglia replacement. <i>Science Translational Medicine</i> , 2022, 14, eabl9945.	5.8	45

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91	Latrophilin GPCR signaling mediates synapse formation. <i>ELife</i> , 2021, 10, .	2.8	44
92	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.	2.3	43
93	Direct Reprogramming of Human Neurons Identifies MARCKSL1 as a Pathogenic Mediator of Valproic Acid-Induced Teratogenicity. <i>Cell Stem Cell</i> , 2019, 25, 103-119.e6.	5.2	43
94	A Trio of Active Zone Proteins Comprised of RIM-BPs, RIMs, and Munc13s Governs Neurotransmitter Release. <i>Cell Reports</i> , 2020, 32, 107960.	2.9	43
95	Exceptionally tight membrane-binding may explain the key role of the synaptotagmin-7 C <sub>2</sub> domain in asynchronous neurotransmitter release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8518-E8527.	3.3	42
96	Structure and Ca <sup>2+</sup> -Binding Properties of the Tandem C2 Domains of E-Syt2. <i>Structure</i> , 2014, 22, 269-280.	1.6	41
97	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> , 2019, 116, 7113-7122.	3.3	40
98	A Synaptic Circuit Required for Acquisition but Not Recall of Social Transmission of Food Preference. <i>Neuron</i> , 2020, 107, 144-157.e4.	3.8	40
99	LAR receptor phospho-tyrosine phosphatases regulate NMDA-receptor responses. <i>ELife</i> , 2020, 9, .	2.8	40
100	A toolbox of nanobodies developed and validated for use as intrabodies and nanoscale immunolabels in mammalian brain neurons. <i>ELife</i> , 2019, 8, .	2.8	39
101	Pro-neuronal activity of MyoD due to promiscuous binding to neuronal genes. <i>Nature Cell Biology</i> , 2020, 22, 401-411.	4.6	38
102	Retinoic Acid Receptor RAR $\beta$ -Dependent Synaptic Signaling Mediates Homeostatic Synaptic Plasticity at the Inhibitory Synapses of Mouse Visual Cortex. <i>Journal of Neuroscience</i> , 2018, 38, 10454-10466.	1.7	36
103	Alternative splicing controls teneurin-latrophilin interaction and synapse specificity by a shape-shifting mechanism. <i>Nature Communications</i> , 2020, 11, 2140.	5.8	36
104	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> , 2015, 113, 255-263.	0.9	34
105	Neuroligins Are Selectively Essential for NMDAR Signaling in Cerebellar Stellate Interneurons. <i>Journal of Neuroscience</i> , 2016, 36, 9070-9083.	1.7	34
106	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> , 2021, 118, .	3.3	29
107	Synaptic function of nicastrin in hippocampal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8973-8978.	3.3	27
108	Autism-associated neuroigin-4 mutation selectively impairs glycinergic synaptic transmission in mouse brainstem synapses. <i>Journal of Experimental Medicine</i> , 2018, 215, 1543-1553.	4.2	27

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109	Efficient stimulus-secretion coupling at ribbon synapses requires RIM-binding protein tethering of L-type Ca <sup>2+</sup> channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8081-E8090.	3.3	26
110	Deorphanizing FAM19A proteins as pan-neurexin ligands with an unusual biosynthetic binding mechanism. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	26
111	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> , 2018, 115, E10235-E10244.	3.3	25
112	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> , 2016, 113, 8514-8519.	3.3	24
113	Neurexins regulate presynaptic GABAB-receptors at central synapses. <i>Nature Communications</i> , 2021, 12, 2380.	5.8	24
114	The Neurobiology of Opioid Addiction and the Potential for Prevention Strategies. <i>JAMA - Journal of the American Medical Association</i> , 2018, 319, 2071.	3.8	22
115	Membrane fusion as a team effort. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13541-13542.	3.3	21
116	Synaptic Function of Rab11Fip5: Selective Requirement for Hippocampal Long-Term Depression. <i>Journal of Neuroscience</i> , 2015, 35, 7460-7474.	1.7	21
117	Ablation of All Synaptobrevin vSNAREs Blocks Evoked But Not Spontaneous Neurotransmitter Release at Neuromuscular Synapses. <i>Journal of Neuroscience</i> , 2019, 39, 6049-6066.	1.7	21
118	A simple Ca <sup>2+</sup> -imaging approach to neural network analyses in cultured neurons. <i>Journal of Neuroscience Methods</i> , 2021, 349, 109041.	1.3	21
119	Latrophilin-2 and latrophilin-3 are redundantly essential for parallel-fiber synapse function in cerebellum. <i>ELife</i> , 2020, 9, .	2.8	21
120	Structures of neurexophilin-neurexin complexes reveal a regulatory mechanism of alternative splicing. <i>EMBO Journal</i> , 2019, 38, e101603.	3.5	19
121	Evolution of the Autism-Associated Neuroligin-4 Gene Reveals Broad Erosion of Pseudoautosomal Regions in Rodents. <i>Molecular Biology and Evolution</i> , 2020, 37, 1243-1258.	3.5	19
122	Biallelic variants in TSPOAP1, encoding the active-zone protein RIMBP1, cause autosomal recessive dystonia. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	18
123	Cerebellin-2 regulates a serotonergic dorsal raphe circuit that controls compulsive behaviors. <i>Molecular Psychiatry</i> , 2021, 26, 7509-7521.	4.1	18
124	Experimental mismatch in neural circuits. <i>Nature</i> , 2015, 528, 338-339.	13.7	17
125	Teneurins assemble into presynaptic nanoclusters that promote synapse formation via postsynaptic non-teneurin ligands. <i>Nature Communications</i> , 2022, 13, 2297.	5.8	17
126	Neuroligin-3 confines AMPA receptors into nanoclusters, thereby controlling synaptic strength at the calyx of Held synapses. <i>Science Advances</i> , 2022, 8, .	4.7	17



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127	Ubiquitinâ€“Synaptobrevin Fusion Protein Causes Degeneration of Presynaptic Motor Terminals in Mice. <i>Journal of Neuroscience</i> , 2015, 35, 11514-11531.	1.7	16
128	Synaptic Vesicles: An Organelle Comes of Age. <i>Cell</i> , 2006, 127, 671-673.	13.5	15
129	Anatomical and Behavioral Investigation of <i>C1q3</i> in the Mouse Suprachiasmatic Nucleus. <i>Journal of Biological Rhythms</i> , 2017, 32, 222-236.	1.4	15
130	RIM-binding proteins recruit BK channels to presynaptic release sites adjacent to voltage-gated Ca <sup>2+</sup> channels. <i>EMBO Journal</i> , 2018, 37, .	3.5	15
131	Cannabinoid receptor activation acutely increases synaptic vesicle numbers by activating synapsins in human synapses. <i>Molecular Psychiatry</i> , 2021, 26, 6253-6268.	4.1	15
132	The conditional KO approach: Cre/Lox technology in human neurons. <i>Rare Diseases (Austin, Tex )</i> , 2016, 4, e1131884.	1.8	10
133	The Perils of Navigating Activity-Dependent Alternative Splicing of Neurexins. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 659681.	1.4	10
134	Myt1l haploinsufficiency leads to obesity and multifaceted behavioral alterations in mice. <i>Molecular Autism</i> , 2022, 13, 19.	2.6	10
135	Molecular self-avoidance in synaptic neurexin complexes. <i>Science Advances</i> , 2021, 7, eabk1924.	4.7	9
136	Truth in Science Publishing: A Personal Perspective. <i>PLoS Biology</i> , 2016, 14, e1002547.	2.6	7
137	Transsynaptic cerebellin 4â€“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> , 2022, 119, e2123421119.	3.3	6
138	Induction of synapse formation by de novo neurotransmitter synthesis. <i>Nature Communications</i> , 2022, 13, .	5.8	6
139	Engineered synaptic tools reveal localized cAMP signaling in synapse assembly. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	5
140	RIBEYE B-Domain Is Essential for RIBEYE A-Domain Stability and Assembly of Synaptic Ribbons. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 838311.	1.4	4
141	Deletion of Calsyntenin-3, an atypical cadherin, suppresses inhibitory synapses but increases excitatory parallel-fiber synapses in cerebellum. <i>ELife</i> , 2022, 11, .	2.8	4
142	Der molekulare Mechanismus der Neurotransmitterfreisetzung und Nervenzellâ€“Synapsen (Nobelâ€“Aufsatz). <i>Angewandte Chemie</i> , 2014, 126, 12906-12931.	1.6	3
143	CB1 receptor activation rapidly alters synaptic vesicle numbers in mouse hippocampal synapses. <i>Molecular Psychiatry</i> , 2021, 26, 6103-6103.	4.1	0