

Erica Seigneur

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2764646/erica-seigneur-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	The synaptic vesicle cycle. <i>Annual Review of Neuroscience</i> , 2004 , 27, 509-47	17	1850
139	Membrane fusion: grappling with SNARE and SM proteins. <i>Science</i> , 2009 , 323, 474-7	33.3	1425
138	Neuroligins and neuroligins link synaptic function to cognitive disease. <i>Nature</i> , 2008 , 455, 903-11	50.4	1278
137	Membrane fusion and exocytosis. <i>Annual Review of Biochemistry</i> , 1999 , 68, 863-911	29.1	1029
136	Phospholipid binding by a synaptic vesicle protein homologous to the regulatory region of protein kinase C. <i>Nature</i> , 1990 , 345, 260-3	50.4	735
135	Neurotransmitter release: the last millisecond in the life of a synaptic vesicle. <i>Neuron</i> , 2013 , 80, 675-90	13.9	690
134	The presynaptic active zone. <i>Neuron</i> , 2012 , 75, 11-25	13.9	631
133	Synaptic vesicle fusion complex contains unc-18 homologue bound to syntaxin. <i>Nature</i> , 1993 , 366, 347-51	10.4	620
132	Munc13-1 is essential for fusion competence of glutamatergic synaptic vesicles. <i>Nature</i> , 1999 , 400, 457-61	10.4	570
131	Putative receptor for inositol 1,4,5-trisphosphate similar to ryanodine receptor. <i>Nature</i> , 1989 , 342, 192-5	10.4	513
130	A small GTP-binding protein dissociates from synaptic vesicles during exocytosis. <i>Nature</i> , 1991 , 349, 79-81	10.4	419
129	Synaptic Neuroligin Complexes: A Molecular Code for the Logic of Neural Circuits. <i>Cell</i> , 2017 , 171, 745-769	16.2	339
128	Synaptic vesicle exocytosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3,	10.2	316
127	β-synuclein 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> , 2014 , 111, E4274-83	11.5	292
126	Autism-associated neuroligin-3 mutations commonly impair striatal circuits to boost repetitive behaviors. <i>Cell</i> , 2014 , 158, 198-212	56.2	279
125	Calcium control of neurotransmitter release. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012 , 4, a011353	10.2	257
124	ApoE2, ApoE3, and ApoE4 Differentially Stimulate APP Transcription and Aβ Secretion. <i>Cell</i> , 2017 , 168, 427-441.e21	56.2	254

123	Generation of induced neuronal cells by the single reprogramming factor ASCL1. <i>Stem Cell Reports</i> , 2014 , 3, 282-96	8	239
122	Towards an Understanding of Synapse Formation. <i>Neuron</i> , 2018 , 100, 276-293	13.9	236
121	The morphological and molecular nature of synaptic vesicle priming at presynaptic active zones. <i>Neuron</i> , 2014 , 84, 416-31	13.9	235
120	Cellular Taxonomy of the Mouse Striatum as Revealed by Single-Cell RNA-Seq. <i>Cell Reports</i> , 2016 , 16, 1126-1137	10.6	227
119	Structure and evolution of neurexin genes: insight into the mechanism of alternative splicing. <i>Genomics</i> , 2002 , 79, 849-59	4.3	221
118	Architecture of the synaptotagmin-SNARE machinery for neuronal exocytosis. <i>Nature</i> , 2015 , 525, 62-7	50.4	192
117	Generation of pure GABAergic neurons by transcription factor programming. <i>Nature Methods</i> , 2017 , 14, 621-628	21.6	179
116	Cell Biology and Pathophysiology of β Synuclein. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018 , 8,	5.4	176
115	α -Latrotoxin and its receptors: neurexins and CIRL/latrophilins. <i>Annual Review of Neuroscience</i> , 2001 , 24, 933-62	17	172
114	Autism-associated SHANK3 haploinsufficiency causes Ih channelopathy in human neurons. <i>Science</i> , 2016 , 352, aaf2669	33.3	169
113	Propagation of prions causing synucleinopathies in cultured cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4949-58	11.5	152
112	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. <i>Neuron</i> , 2019 , 103, 217-234	33.9	147
111	Human Neuropsychiatric Disease Modeling using Conditional Deletion Reveals Synaptic Transmission Defects Caused by Heterozygous Mutations in NRXN1. <i>Cell Stem Cell</i> , 2015 , 17, 316-28	18	136
110	A molecular machine for neurotransmitter release: synaptotagmin and beyond. <i>Nature Medicine</i> , 2013 , 19, 1227-31	50.5	136
109	The primed SNARE-complexin-synaptotagmin complex for neuronal exocytosis. <i>Nature</i> , 2017 , 548, 420-425	43.4	134
108	Definition of a molecular pathway mediating β Synuclein neurotoxicity. <i>Journal of Neuroscience</i> , 2015 , 35, 5221-32	6.6	128
107	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, 9399-413	5.4	117
106	Understanding synapses: past, present, and future. <i>Neuron</i> , 2008 , 60, 469-76	13.9	113

105	Myt1l safeguards neuronal identity by actively repressing many non-neuronal fates. <i>Nature</i> , 2017 , 544, 245-249	50.4	112
104	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> , 2016 , 113, E5222-31	11.5	111
103	Postsynaptic synaptotagmins mediate AMPA receptor exocytosis during LTP. <i>Nature</i> , 2017 , 544, 316-321	50.4	106
102	The molecular machinery of neurotransmitter release (Nobel lecture). <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12696-717	16.4	103
101	Conditional Deletion of All Neurexins Defines Diversity of Essential Synaptic Organizer Functions for Neurexins. <i>Neuron</i> , 2017 , 94, 611-625.e4	13.9	101
100	Single-Cell mRNA Profiling Reveals Cell-Type-Specific Expression of Neurexin Isoforms. <i>Neuron</i> , 2015 , 87, 326-40	13.9	101
99	Dynamic binding mode of a Synaptotagmin-1-SNARE complex in solution. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 555-64	17.6	99
98	Latrophilin GPCRs direct synapse specificity by coincident binding of FLRTs and teneurins. <i>Science</i> , 2019 , 363,	33.3	92
97	⌊Neurexins Control Neural Circuits by Regulating Synaptic Endocannabinoid Signaling. <i>Cell</i> , 2015 , 162, 593-606	56.2	88
96	Neuroligins Sculpt Cerebellar Purkinje-Cell Circuits by Differential Control of Distinct Classes of Synapses. <i>Neuron</i> , 2015 , 87, 781-96	13.9	85
95	How to Make an Active Zone: Unexpected Universal Functional Redundancy between RIMs and RIM-BPs. <i>Neuron</i> , 2016 , 91, 792-807	13.9	85
94	Structural Basis of Latrophilin-FLRT-UNC5 Interaction in Cell Adhesion. <i>Structure</i> , 2015 , 23, 1678-1691	5.2	74
93	Structural Basis for Teneurin Function in Circuit-Wiring: A Toxin Motif at the Synapse. <i>Cell</i> , 2018 , 173, 735-748.e15	56.2	73
92	Distinct circuit-dependent functions of presynaptic neurexin-3 at GABAergic and glutamatergic synapses. <i>Nature Neuroscience</i> , 2015 , 18, 997-1007	25.5	68
91	RIM-BPs Mediate Tight Coupling of Action Potentials to Ca(2+)-Triggered Neurotransmitter Release. <i>Neuron</i> , 2015 , 87, 1234-1247	13.9	66
90	Presynaptic Neuronal Pentraxin Receptor Organizes Excitatory and Inhibitory Synapses. <i>Journal of Neuroscience</i> , 2017 , 37, 1062-1080	6.6	63
89	Calsyntenins function as synptogenic adhesion molecules in concert with neurexins. <i>Cell Reports</i> , 2014 , 6, 1096-1109	10.6	58
88	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	9.7	55

87	Synaptotagmin-7-Mediated Asynchronous Release Boosts High-Fidelity Synchronous Transmission at a Central Synapse. <i>Neuron</i> , 2017 , 94, 826-839.e3	13.9	53
86	Alternative Splicing of Presynaptic Neurexins Differentially Controls Postsynaptic NMDA and AMPA Receptor Responses. <i>Neuron</i> , 2019 , 102, 993-1008.e5	13.9	53
85	Postsynaptic adhesion GPCR latrophilin-2 mediates target recognition in entorhinal-hippocampal synapse assembly. <i>Journal of Cell Biology</i> , 2017 , 216, 3831-3846	7.3	52
84	Retinoic Acid and LTP Recruit Postsynaptic AMPA Receptors Using Distinct SNARE-Dependent Mechanisms. <i>Neuron</i> , 2015 , 86, 442-56	13.9	52
83	Expression of C1ql3 in Discrete Neuronal Populations Controls Efferent Synapse Numbers and Diverse Behaviors. <i>Neuron</i> , 2016 , 91, 1034-1051	13.9	50
82	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	11.5	48
81	The active zone protein family ELKS supports Ca ²⁺ influx at nerve terminals of inhibitory hippocampal neurons. <i>Journal of Neuroscience</i> , 2014 , 34, 12289-303	6.6	47
80	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	11.5	46
79	Synaptotagmin-7 phosphorylation mediates GLP-1-dependent potentiation of insulin secretion from β -cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9996-10001	11.5	46
78	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	6.6	44
77	Extended Synaptotagmin (ESyt) Triple Knock-Out Mice Are Viable and Fertile without Obvious Endoplasmic Reticulum Dysfunction. <i>PLoS ONE</i> , 2016 , 11, e0158295	3.7	44
76	Molecular Neuroscience in the 21 Century: A Personal Perspective. <i>Neuron</i> , 2017 , 96, 536-541	13.9	43
75	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	11.5	43
74	Conditional deletion of L1CAM in human neurons impairs both axonal and dendritic arborization and action potential generation. <i>Journal of Experimental Medicine</i> , 2016 , 213, 499-515	16.6	43
73	Modulation of excitation on parvalbumin interneurons by neuroligin-3 regulates the hippocampal network. <i>Nature Neuroscience</i> , 2017 , 20, 219-229	25.5	42
72	The fragile X mutation impairs homeostatic plasticity in human neurons by blocking synaptic retinoic acid signaling. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	42
71	Synaptic neurexin-1 assembles into dynamically regulated active zone nanoclusters. <i>Journal of Cell Biology</i> , 2019 , 218, 2677-2698	7.3	42
70	Continuous and Discrete Neuron Types of the Adult Murine Striatum. <i>Neuron</i> , 2020 , 105, 688-699.e8	13.9	42

69	Microsecond dissection of neurotransmitter release: SNARE-complex assembly dictates speed and Ca ²⁺ sensitivity. <i>Neuron</i> , 2014 , 82, 1088-100	13.9	41
68	Neuroigin-1 Signaling Controls LTP and NMDA Receptors by Distinct Molecular Pathways. <i>Neuron</i> , 2019 , 102, 621-635.e3	13.9	39
67	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	11.5	38
66	Structures of C1q-like proteins reveal unique features among the C1q/TNF superfamily. <i>Structure</i> , 2015 , 23, 688-99	5.2	37
65	Neuroigin-4 Regulates Excitatory Synaptic Transmission in Human Neurons. <i>Neuron</i> , 2019 , 103, 617-626.e6	13.9	36
64	Synaptotagmin-7 Is Essential for Ca ²⁺ -Triggered Delayed Asynchronous Release But Not for Ca ²⁺ -Dependent Vesicle Priming in Retinal Ribbon Synapses. <i>Journal of Neuroscience</i> , 2015 , 35, 11024-33	6.6	33
63	Structure and Ca ²⁺ -binding properties of the tandem C1 domains of E-Syt2. <i>Structure</i> , 2014 , 22, 269-80	5.2	33
62	Direct visualization of trans-synaptic neurexin-neuroigin interactions during synapse formation. <i>Journal of Neuroscience</i> , 2014 , 34, 15083-96	6.6	33
61	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	25.5	33
60	IGF1-Dependent Synaptic Plasticity of Mitral Cells in Olfactory Memory during Social Learning. <i>Neuron</i> , 2017 , 95, 106-122.e5	13.9	32
59	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	7.3	31
58	Genetic Ablation of All Cerebellins Reveals Synapse Organizer Functions in Multiple Regions Throughout the Brain. <i>Journal of Neuroscience</i> , 2018 , 38, 4774-4790	6.6	31
57	Cerebellins are differentially expressed in selective subsets of neurons throughout the brain. <i>Journal of Comparative Neurology</i> , 2017 , 525, 3286-3311	3.4	31
56	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> , 2018 , 115, E5382-E5389	11.5	30
55	Neuromodulator Signaling Bidirectionally Controls Vesicle Numbers in Human Synapses. <i>Cell</i> , 2019 , 179, 498-513.e22	56.2	28
54	RIM1 and RIM2 redundantly determine Ca ²⁺ channel density and readily releasable pool size at a large hindbrain synapse. <i>Journal of Neurophysiology</i> , 2015 , 113, 255-63	3.2	27
53	Neuroigins Are Selectively Essential for NMDAR Signaling in Cerebellar Stellate Interneurons. <i>Journal of Neuroscience</i> , 2016 , 36, 9070-83	6.6	27
52	Neurexins cluster Ca channels within the presynaptic active zone. <i>EMBO Journal</i> , 2020 , 39, e103208	13	25

51	A toolbox of nanobodies developed and validated for use as intrabodies and nanoscale immunolabels in mammalian brain neurons. <i>ELife</i> , 2019 , 8,	8.9	25
50	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	11.5	25
49	Synaptic function of nicastrin in hippocampal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 8973-8	11.5	22
48	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> , 2017 , 114, E8518-E8527	11.5	21
47	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	18	20
46	LAR receptor phospho-tyrosine phosphatases regulate NMDA-receptor responses. <i>ELife</i> , 2020 , 9,	8.9	20
45	Membrane fusion as a team effort. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 13541-2	11.5	19
44	Retinoic Acid Receptor RARE-Dependent Synaptic Signaling Mediates Homeostatic Synaptic Plasticity at the Inhibitory Synapses of Mouse Visual Cortex. <i>Journal of Neuroscience</i> , 2018 , 38, 10454-10466	6.6	19
43	Synaptic Function of Rab11Fip5: Selective Requirement for Hippocampal Long-Term Depression. <i>Journal of Neuroscience</i> , 2015 , 35, 7460-74	6.6	18
42	A Synaptic Circuit Required for Acquisition but Not Recall of Social Transmission of Food Preference. <i>Neuron</i> , 2020 , 107, 144-157.e4	13.9	18
41	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, 8514-9	11.5	17
40	Pro-neuronal activity of Myod1 due to promiscuous binding to neuronal genes. <i>Nature Cell Biology</i> , 2020 , 22, 401-411	23.4	16
39	Autism-associated neuroligin-4 mutation selectively impairs glycinergic synaptic transmission in mouse brainstem synapses. <i>Journal of Experimental Medicine</i> , 2018 , 215, 1543-1553	16.6	16
38	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> , 2017 , 114, E8081-E8090	11.5	16
37	Reproducibility: Experimental mismatch in neural circuits. <i>Nature</i> , 2015 , 528, 338-9	50.4	16
36	The Neurobiology of Opioid Addiction and the Potential for Prevention Strategies. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 319, 2071-2072	27.4	15
35	Persistent transcriptional programmes are associated with remote memory. <i>Nature</i> , 2020 , 587, 437-442	50.4	15
34	Ubiquitin-Synaptobrevin Fusion Protein Causes Degeneration of Presynaptic Motor Terminals in Mice. <i>Journal of Neuroscience</i> , 2015 , 35, 11514-31	6.6	14

33	Synaptic vesicles: an organelle comes of age. <i>Cell</i> , 2006 , 127, 671-3	56.2	13
32	Latrophilin GPCR signaling mediates synapse formation. <i>ELife</i> , 2021 , 10,	8.9	13
31	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	11.5	13
30	Alternative splicing controls teneurin-latrophilin interaction and synapse specificity by a shape-shifting mechanism. <i>Nature Communications</i> , 2020 , 11, 2140	17.4	12
29	A Trio of Active Zone Proteins Comprised of RIM-BPs, RIMs, and Munc13s Governs Neurotransmitter Release. <i>Cell Reports</i> , 2020 , 32, 107960	10.6	12
28	GluD1 is a signal transduction device disguised as an ionotropic receptor. <i>Nature</i> , 2021 , 595, 261-265	50.4	12
27	Ablation of All Synaptobrevin vSNAREs Blocks Evoked But Not Spontaneous Neurotransmitter Release at Neuromuscular Synapses. <i>Journal of Neuroscience</i> , 2019 , 39, 6049-6066	6.6	11
26	Latrophilin-2 and latrophilin-3 are redundantly essential for parallel-fiber synapse function in cerebellum. <i>ELife</i> , 2020 , 9,	8.9	11
25	Deorphanizing FAM19A proteins as pan-neurexin ligands with an unusual biosynthetic binding mechanism. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	11
24	RIM-binding proteins recruit BK-channels to presynaptic release sites adjacent to voltage-gated Ca-channels. <i>EMBO Journal</i> , 2018 , 37,	13	11
23	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	8.3	10
22	The conditional KO approach: Cre/Lox technology in human neurons. <i>Rare Diseases (Austin, Tex)</i> , 2016 , 4, e1131884		9
21	Anatomical and Behavioral Investigation of C1qI3 in the Mouse Suprachiasmatic Nucleus. <i>Journal of Biological Rhythms</i> , 2017 , 32, 222-236	3.2	7
20	Structures of neurexophilin-neurexin complexes reveal a regulatory mechanism of alternative splicing. <i>EMBO Journal</i> , 2019 , 38, e101603	13	7
19	RTN4/NoGo-receptor binding to BAI adhesion-GPCRs regulates neuronal development. <i>Cell</i> , 2021 , 184, 5869-5885.e25	56.2	7
18	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> , 2021 , 118,	11.5	7
17	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,	11.5	7
16	Truth in Science Publishing: A Personal Perspective. <i>PLoS Biology</i> , 2016 , 14, e1002547	9.7	5

15	Neurexins regulate presynaptic GABA-receptors at central synapses. <i>Nature Communications</i> , 2021 , 12, 2380	17.4	5
14	Cerebellin-2 regulates a serotonergic dorsal raphe circuit that controls compulsive behaviors. <i>Molecular Psychiatry</i> , 2021 ,	15.1	5
13	Cannabinoid receptor activation acutely increases synaptic vesicle numbers by activating synapsins in human synapses. <i>Molecular Psychiatry</i> , 2021 ,	15.1	3
12	A simple Ca-imaging approach to neural network analyses in cultured neurons. <i>Journal of Neuroscience Methods</i> , 2021 , 349, 109041	3	3
11	Molecular self-avoidance in synaptic neurexin complexes.. <i>Science Advances</i> , 2021 , 7, eabk1924	14.3	2
10	The Perils of Navigating Activity-Dependent Alternative Splicing of Neurexins. <i>Frontiers in Molecular Neuroscience</i> , 2021 , 14, 659681	6.1	2
9	Biallelic variants in TSPOAP1, encoding the active-zone protein RIMBP1, cause autosomal recessive dystonia. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	2
8	Engineered synaptic tools reveal localized cAMP signaling in synapse assembly.. <i>Journal of Cell Biology</i> , 2022 , 221,	7.3	2
7	Teneurins assemble into presynaptic nanoclusters that promote synapse formation via postsynaptic non-teneurin ligands.. <i>Nature Communications</i> , 2022 , 13, 2297	17.4	2
6	Der molekulare Mechanismus der Neurotransmitterfreisetzung und Nervenzell-Synapsen (Nobel-Aufsatz). <i>Angewandte Chemie</i> , 2014 , 126, 12906-12931	3.6	1
5	Treatment of a genetic brain disease by CNS-wide microglia replacement.. <i>Science Translational Medicine</i> , 2022 , 14, eabl9945	17.5	1
4	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> , 2022 , 119, e2123421119 ^{11.5}	11.5	1
3	RIBEYE B-Domain Is Essential for RIBEYE A-Domain Stability and Assembly of Synaptic Ribbons.. <i>Frontiers in Molecular Neuroscience</i> , 2022 , 15, 838311	6.1	0
2	Myt1l haploinsufficiency leads to obesity and multifaceted behavioral alterations in mice.. <i>Molecular Autism</i> , 2022 , 13, 19	6.5	0
1	CB1 receptor activation rapidly alters synaptic vesicle numbers in mouse hippocampal synapses.. <i>Molecular Psychiatry</i> , 2021 , 26, 6103	15.1	