

Thomas C Sdhof

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151
papers

24,823
citations

74
h-index

157
g-index

167
ext. papers

29,303
ext. citations

17.4
avg, IF

7.7
L-index

#	Paper	IF	Citations
151	Direct conversion of fibroblasts to functional neurons by defined factors. <i>Nature</i> , 2010 , 463, 1035-41	50.4	2232
150	The synaptic vesicle cycle: a cascade of protein-protein interactions. <i>Nature</i> , 1995 , 375, 645-53	50.4	1813
149	Neuroligins and neuroligins link synaptic function to cognitive disease. <i>Nature</i> , 2008 , 455, 903-11	50.4	1278
148	Induction of human neuronal cells by defined transcription factors. <i>Nature</i> , 2011 , 476, 220-3	50.4	924
147	A neuroligin-3 mutation implicated in autism increases inhibitory synaptic transmission in mice. <i>Science</i> , 2007 , 318, 71-6	33.3	778
146	Rapid single-step induction of functional neurons from human pluripotent stem cells. <i>Neuron</i> , 2013 , 78, 785-98	13.9	737
145	Neurotransmitter release: the last millisecond in the life of a synaptic vesicle. <i>Neuron</i> , 2013 , 80, 675-90	13.9	690
144	The presynaptic active zone. <i>Neuron</i> , 2012 , 75, 11-25	13.9	631
143	Neuroligins determine synapse maturation and function. <i>Neuron</i> , 2006 , 51, 741-54	13.9	604
142	Neuroligin 1: a splice site-specific ligand for beta-neurexins. <i>Cell</i> , 1995 , 81, 435-43	56.2	584
141	Alpha-neurexins couple Ca ²⁺ channels to synaptic vesicle exocytosis. <i>Nature</i> , 2003 , 423, 939-48	50.4	521
140	Cellubrevin is a ubiquitous tetanus-toxin substrate homologous to a putative synaptic vesicle fusion protein. <i>Nature</i> , 1993 , 364, 346-9	50.4	448
139	A neural circuit for memory specificity and generalization. <i>Science</i> , 2013 , 339, 1290-5	33.3	441
138	Activity-dependent validation of excitatory versus inhibitory synapses by neuroligin-1 versus neuroligin-2. <i>Neuron</i> , 2007 , 54, 919-31	13.9	436
137	RIM proteins tether Ca ²⁺ channels to presynaptic active zones via a direct PDZ-domain interaction. <i>Cell</i> , 2011 , 144, 282-95	56.2	399
136	A splice code for trans-synaptic cell adhesion mediated by binding of neuroligin 1 to alpha- and beta-neurexins. <i>Neuron</i> , 2005 , 48, 229-36	13.9	373
135	Synaptotagmins: why so many?. <i>Journal of Biological Chemistry</i> , 2002 , 277, 7629-32	5.4	368

134	Acid-dependent ligand dissociation and recycling of LDL receptor mediated by growth factor homology region. <i>Nature</i> , 1987 , 326, 760-5	50.4	364
133	Cartography of neurexins: more than 1000 isoforms generated by alternative splicing and expressed in distinct subsets of neurons. <i>Neuron</i> , 1995 , 14, 497-507	13.9	357
132	Structures, alternative splicing, and neurexin binding of multiple neuroligins. <i>Journal of Biological Chemistry</i> , 1996 , 271, 2676-82	5.4	346
131	Synaptic Neurexin Complexes: A Molecular Code for the Logic of Neural Circuits. <i>Cell</i> , 2017 , 171, 745-769	56.2	339
130	Mouse neurexin-1alpha deletion causes correlated electrophysiological and behavioral changes consistent with cognitive impairments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 17998-8003	11.5	336
129	Autism-associated neuroligin-3 mutations commonly impair striatal circuits to boost repetitive behaviors. <i>Cell</i> , 2014 , 158, 198-212	56.2	279
128	RIM determines Ca ²⁺ channel density and vesicle docking at the presynaptic active zone. <i>Neuron</i> , 2011 , 69, 304-16	13.9	271
127	A dual-Ca ²⁺ -sensor model for neurotransmitter release in a central synapse. <i>Nature</i> , 2007 , 450, 676-82	50.4	267
126	Dynamin GTPase regulated by protein kinase C phosphorylation in nerve terminals. <i>Nature</i> , 1993 , 365, 163-6	50.4	267
125	ApoE2, ApoE3, and ApoE4 Differentially Stimulate APP Transcription and A β Secretion. <i>Cell</i> , 2017 , 168, 427-441.e21	56.2	254
124	A novel evolutionarily conserved domain of cell-adhesion GPCRs mediates autoproteolysis. <i>EMBO Journal</i> , 2012 , 31, 1364-78	13	243
123	Generation of induced neuronal cells by the single reprogramming factor ASCL1. <i>Stem Cell Reports</i> , 2014 , 3, 282-96	8	239
122	Binding of synaptotagmin to the alpha-latrotoxin receptor implicates both in synaptic vesicle exocytosis. <i>Nature</i> , 1991 , 353, 65-8	50.4	237
121	Towards an Understanding of Synapse Formation. <i>Neuron</i> , 2018 , 100, 276-293	13.9	236
120	Structure and evolution of neurexin genes: insight into the mechanism of alternative splicing. <i>Genomics</i> , 2002 , 79, 849-59	4.3	221
119	Presenilins are essential for regulating neurotransmitter release. <i>Nature</i> , 2009 , 460, 632-6	50.4	219
118	Endocannabinoid-mediated long-term plasticity requires cAMP/PKA signaling and RIM1alpha. <i>Neuron</i> , 2007 , 54, 801-12	13.9	216
117	Cartography of neurexin alternative splicing mapped by single-molecule long-read mRNA sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E1291-9	11.5	198

116	Presynaptic neurexin-3 alternative splicing trans-synaptically controls postsynaptic AMPA receptor trafficking. <i>Cell</i> , 2013 , 154, 75-88	56.2	197
115	Binding properties of neuroligin 1 and neurexin 1beta reveal function as heterophilic cell adhesion molecules. <i>Journal of Biological Chemistry</i> , 1997 , 272, 26032-9	5.4	180
114	Generation of pure GABAergic neurons by transcription factor programming. <i>Nature Methods</i> , 2017 , 14, 621-628	21.6	179
113	alpha-Latrotoxin and its receptors: neurexins and C1RL/latrophilins. <i>Annual Review of Neuroscience</i> , 2001 , 24, 933-62	17	172
112	Synaptic cell adhesion. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012 , 4, a005694	10.2	166
111	Mechanism of phospholipid binding by the C2A-domain of synaptotagmin I. <i>Biochemistry</i> , 1998 , 37, 12395-403	3.2	162
110	Structures of neuroligin-1 and the neuroligin-1/neurexin-1 beta complex reveal specific protein-protein and protein-Ca ²⁺ interactions. <i>Neuron</i> , 2007 , 56, 992-1003	13.9	157
109	Dissection of synapse induction by neuroligins: effect of a neuroligin mutation associated with autism. <i>Journal of Biological Chemistry</i> , 2005 , 280, 22365-74	5.4	138
108	alpha-Latrotoxin receptor C1RL/latrophilin 1 (CL1) defines an unusual family of ubiquitous G-protein-linked receptors. G-protein coupling not required for triggering exocytosis. <i>Journal of Biological Chemistry</i> , 1998 , 273, 32715-24	5.4	138
107	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
106	Distinct neuronal coding schemes in memory revealed by selective erasure of fast synchronous synaptic transmission. <i>Neuron</i> , 2012 , 73, 990-1001	13.9	135
105	The making of neurexins. <i>Journal of Neurochemistry</i> , 1998 , 71, 1339-47	6	131
104	Definition of a molecular pathway mediating Bsynuclein neurotoxicity. <i>Journal of Neuroscience</i> , 2015 , 35, 5221-32	6.6	128
103	Extracellular domains of alpha-neurexins participate in regulating synaptic transmission by selectively affecting N- and P/Q-type Ca ²⁺ channels. <i>Journal of Neuroscience</i> , 2005 , 25, 4330-42	6.6	126
102	Latrophilins function as heterophilic cell-adhesion molecules by binding to teneurins: regulation by alternative splicing. <i>Journal of Biological Chemistry</i> , 2014 , 289, 387-402	5.4	122
101	Neurexins physically and functionally interact with GABA(A) receptors. <i>Neuron</i> , 2010 , 66, 403-16	13.9	121
100	CASK and protein 4.1 support F-actin nucleation on neurexins. <i>Journal of Biological Chemistry</i> , 2001 , 276, 47869-76	5.4	121
99	Vam3p structure reveals conserved and divergent properties of syntaxins. <i>Nature Structural Biology</i> , 2001 , 8, 258-64		120

98	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
97	Gene selection, alternative splicing, and post-translational processing regulate neuroligin selectivity for beta-neurexins. <i>Biochemistry</i> , 2006 , 45, 12816-27	3.2	113
96	Myt1l safeguards neuronal identity by actively repressing many non-neuronal fates. <i>Nature</i> , 2017 , 544, 245-249	50.4	112
95	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
94	Monitoring synaptic transmission in primary neuronal cultures using local extracellular stimulation. <i>Journal of Neuroscience Methods</i> , 2007 , 161, 75-87	3	108
93	The cell-adhesion G protein-coupled receptor BAI3 is a high-affinity receptor for C1q-like proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 2534-9	11.5	107
92	The C2B domain of synaptotagmin I is a Ca ²⁺ -binding module. <i>Biochemistry</i> , 2001 , 40, 5854-60	3.2	106
91	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
90	Single-Cell mRNA Profiling Reveals Cell-Type-Specific Expression of Neurexin Isoforms. <i>Neuron</i> , 2015 , 87, 326-40	13.9	101
89	Neuroligin-1 performs neurexin-dependent and neurexin-independent functions in synapse validation. <i>EMBO Journal</i> , 2009 , 28, 3244-55	13	99
88	Different effects on fast exocytosis induced by synaptotagmin 1 and 2 isoforms and abundance but not by phosphorylation. <i>Journal of Neuroscience</i> , 2006 , 26, 632-43	6.6	96
87	Latrophilin GPCRs direct synapse specificity by coincident binding of FLRTs and teneurins. <i>Science</i> , 2019 , 363,	33.3	92
86	□Neurexins Control Neural Circuits by Regulating Synaptic Endocannabinoid Signaling. <i>Cell</i> , 2015 , 162, 593-606	56.2	88
85	Neurexophilin binding to alpha-neurexins. A single LNS domain functions as an independently folding ligand-binding unit. <i>Journal of Biological Chemistry</i> , 1998 , 273, 34716-23	5.4	87
84	Neuroligins Sculpt Cerebellar Purkinje-Cell Circuits by Differential Control of Distinct Classes of Synapses. <i>Neuron</i> , 2015 , 87, 781-96	13.9	85
83	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
82	Structure and evolution of neurexophilin. <i>Journal of Neuroscience</i> , 1996 , 16, 4360-9	6.6	80
81	Deletion of alpha-neurexins does not cause a major impairment of axonal pathfinding or synapse formation. <i>Journal of Comparative Neurology</i> , 2007 , 502, 261-74	3.4	79

80	Neurexins are functional alpha-latrotoxin receptors. <i>Neuron</i> , 1999 , 22, 489-96	13.9	79
79	ELKS2alpha/CAST deletion selectively increases neurotransmitter release at inhibitory synapses. <i>Neuron</i> , 2009 , 64, 227-39	13.9	78
78	Structural Basis of Latrophilin-FLRT-UNC5 Interaction in Cell Adhesion. <i>Structure</i> , 2015 , 23, 1678-1691	5.2	74
77	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
76	RIM1alpha and RIM1beta are synthesized from distinct promoters of the RIM1 gene to mediate differential but overlapping synaptic functions. <i>Journal of Neuroscience</i> , 2008 , 28, 13435-47	6.6	73
75	Unusually rapid evolution of Neuroligin-4 in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6421-6	11.5	73
74	Neurexophilins form a conserved family of neuropeptide-like glycoproteins. <i>Journal of Neuroscience</i> , 1998 , 18, 3630-8	6.6	69
73	Distinct circuit-dependent functions of presynaptic neurexin-3 at GABAergic and glutamatergic synapses. <i>Nature Neuroscience</i> , 2015 , 18, 997-1007	25.5	68
72	RIM-BPs Mediate Tight Coupling of Action Potentials to Ca(2+)-Triggered Neurotransmitter Release. <i>Neuron</i> , 2015 , 87, 1234-1247	13.9	66
71	Presynaptic Neuronal Pentraxin Receptor Organizes Excitatory and Inhibitory Synapses. <i>Journal of Neuroscience</i> , 2017 , 37, 1062-1080	6.6	63
70	Membrane-tethered monomeric neurexin LNS-domain triggers synapse formation. <i>Journal of Neuroscience</i> , 2013 , 33, 14617-28	6.6	63
69	Structure of the Janus-faced C2B domain of rabphilin. <i>Nature Cell Biology</i> , 1999 , 1, 106-12	23.4	60
68	Calsyntenins function as synaptogenic adhesion molecules in concert with neurexins. <i>Cell Reports</i> , 2014 , 6, 1096-1109	10.6	58
67	Neurons generated by direct conversion of fibroblasts reproduce synaptic phenotype caused by autism-associated neuroligin-3 mutation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 16622-7	11.5	55
66	Alternative Splicing of Presynaptic Neurexins Differentially Controls Postsynaptic NMDA and AMPA Receptor Responses. <i>Neuron</i> , 2019 , 102, 993-1008.e5	13.9	53
65	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
64	Retinoic Acid and LTP Recruit Postsynaptic AMPA Receptors Using Distinct SNARE-Dependent Mechanisms. <i>Neuron</i> , 2015 , 86, 442-56	13.9	52
63	Analysis of conditional heterozygous STXBP1 mutations in human neurons. <i>Journal of Clinical Investigation</i> , 2015 , 125, 3560-71	15.9	50

62	The G protein-coupled receptor CL1 interacts directly with proteins of the Shank family. <i>Journal of Biological Chemistry</i> , 2000 , 275, 36204-10	5.4	48
61	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
60	Unique versus Redundant Functions of Neuroligin Genes in Shaping Excitatory and Inhibitory Synapse Properties. <i>Journal of Neuroscience</i> , 2017 , 37, 6816-6836	6.6	46
59	Alpha-latrotoxin stimulates a novel pathway of Ca ²⁺ -dependent synaptic exocytosis independent of the classical synaptic fusion machinery. <i>Journal of Neuroscience</i> , 2009 , 29, 8639-48	6.6	45
58	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
57	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
56	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
55	Synaptic neurexin-1 assembles into dynamically regulated active zone nanoclusters. <i>Journal of Cell Biology</i> , 2019 , 218, 2677-2698	7.3	42
54	Crystal structure of the second LNS/LG domain from neurexin 1alpha: Ca ²⁺ binding and the effects of alternative splicing. <i>Journal of Biological Chemistry</i> , 2006 , 281, 22896-905	5.4	41
53	Neuroligin-1 Signaling Controls LTP and NMDA Receptors by Distinct Molecular Pathways. <i>Neuron</i> , 2019 , 102, 621-635.e3	13.9	39
52	Structural characterization of recombinant soluble rat neuroligin 1: mapping of secondary structure and glycosylation by mass spectrometry. <i>Biochemistry</i> , 2004 , 43, 1496-506	3.2	37
51	Neuroligin-4 Regulates Excitatory Synaptic Transmission in Human Neurons. <i>Neuron</i> , 2019 , 103, 617-626.e6	13.9	36
50	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
49	IGF1-Dependent Synaptic Plasticity of Mitral Cells in Olfactory Memory during Social Learning. <i>Neuron</i> , 2017 , 95, 106-122.e5	13.9	32
48	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
47	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
46	Neuromodulator Signaling Bidirectionally Controls Vesicle Numbers in Human Synapses. <i>Cell</i> , 2019 , 179, 498-513.e22	56.2	28
45	Neuroligins Are Selectively Essential for NMDAR Signaling in Cerebellar Stellate Interneurons. <i>Journal of Neuroscience</i> , 2016 , 36, 9070-83	6.6	27

44	Neurexins cluster Ca channels within the presynaptic active zone. <i>EMBO Journal</i> , 2020 , 39, e103208	13	25
43	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
42	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
41	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
40	Synaptotagmin-11 mediates a vesicle trafficking pathway that is essential for development and synaptic plasticity. <i>Genes and Development</i> , 2019 , 33, 365-376	12.6	20
39	LAR receptor phospho-tyrosine phosphatases regulate NMDA-receptor responses. <i>ELife</i> , 2020 , 9,	8.9	20
38	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
37	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
36	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
35	The cell biology of synapse formation. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	16
34	SPARCL1 Promotes Excitatory But Not Inhibitory Synapse Formation and Function Independent of Neurexins and Neuroligins. <i>Journal of Neuroscience</i> , 2020 , 40, 8088-8102	6.6	15
33	Persistent transcriptional programmes are associated with remote memory. <i>Nature</i> , 2020 , 587, 437-442	50.4	15
32	InsP3 receptor turnaround. <i>Nature</i> , 1990 , 344, 495	50.4	13
31	Latrophilin GPCR signaling mediates synapse formation. <i>ELife</i> , 2021 , 10,	8.9	13
30	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
29	Alternative splicing controls teneurin-latrophilin interaction and synapse specificity by a shape-shifting mechanism. <i>Nature Communications</i> , 2020 , 11, 2140	17.4	12
28	GluD1 is a signal transduction device disguised as an ionotropic receptor. <i>Nature</i> , 2021 , 595, 261-265	50.4	12
27	Assignment of the 1H, 15N and 13C resonances of the calcium-free and calcium-bound forms of the first C2-domain of synaptotagmin I. <i>Journal of Biomolecular NMR</i> , 1997 , 10, 307-8	3	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	The conditional KO approach: Cre/Lox technology in human neurons. <i>Rare Diseases (Austin, Tex)</i> , 2016 , 4, e1131884		9
22	CAPS in search of a lost function. <i>Neuron</i> , 2005 , 46, 2-4	13.9	8
21	Structures of neurexophilin-neurexin complexes reveal a regulatory mechanism of alternative splicing. <i>EMBO Journal</i> , 2019 , 38, e101603	13	7
20	RTN4/NoGo-receptor binding to BAI adhesion-GPCRs regulates neuronal development. <i>Cell</i> , 2021 , 184, 5869-5885.e25	56.2	7
19	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
18	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
17	Identification, expression, and crystallization of the protease-resistant conserved domain of synapsin I. <i>Protein Science</i> , 1997 , 6, 2264-7	6.3	6
16	Dysfunction of parvalbumin neurons in the cerebellar nuclei produces an action tremor. <i>Journal of Clinical Investigation</i> , 2020 , 130, 5142-5156	15.9	5
15	Compartment-Specific Neurexin Nanodomains Orchestrate Tripartite Synapse Assembly		5
14	Neurexins regulate presynaptic GABA-receptors at central synapses. <i>Nature Communications</i> , 2021 , 12, 2380	17.4	5
13	Cerebellin-2 regulates a serotonergic dorsal raphe circuit that controls compulsive behaviors. <i>Molecular Psychiatry</i> , 2021 ,	15.1	5
12	Cannabinoid receptor activation acutely increases synaptic vesicle numbers by activating synapsins in human synapses. <i>Molecular Psychiatry</i> , 2021 ,	15.1	3
11	A simple Ca-imaging approach to neural network analyses in cultured neurons. <i>Journal of Neuroscience Methods</i> , 2021 , 349, 109041	3	3
10	Molecular self-avoidance in synaptic neurexin complexes.. <i>Science Advances</i> , 2021 , 7, eabk1924	14.3	2
9	The Perils of Navigating Activity-Dependent Alternative Splicing of Neurexins. <i>Frontiers in Molecular Neuroscience</i> , 2021 , 14, 659681	6.1	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	A simple Ca ²⁺ -imaging approach to neural network analysis in cultured neurons		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}		1
3	Myt1l haploinsufficiency leads to obesity and multifaceted behavioral alterations in mice.. <i>Molecular Autism</i> , 2022 , 13, 19	6.5	0
2	Identification of Endogenous/transfected Synaptic Proteins in Primary Neuronal Culture by a High-yield Immunogold Labeling. <i>Microscopy and Microanalysis</i> , 2003 , 9, 1498-1499	0.5	
1	Proteolytic regulation of calcium channels - avoiding controversy.. <i>Faculty Reviews</i> , 2022 , 11, 5	1.2	