Thomas C SÃ¼dhof

List of Publications by Year
in descending order

152 papers	32,238 citations	6613 79 h-index	7745 150 g-index
167 all docs	167 docs citations	167 times ranked	25804 citing authors

#	Article	IF	Citations
1	Direct conversion of fibroblasts to functional neurons by defined factors. Nature, 2010, 463, 1035-1041.	27.8	2,739
2	The synaptic vesicle cycle: a cascade of proteinâ€“protein interactions. Nature, 1995, 375, 645-653.	27.8	1,951
3	Neuroligins and neurexins link synaptic function to cognitive disease. Nature, 2008, 455, 903-911.	27.8	1,577
4	Rapid Single-Step Induction of Functional Neurons from Human Pluripotent Stem Cells. Neuron, 2013, 78, 785-798.	8.1	1,209
5	Induction of human neuronal cells by defined transcription factors. Nature, 2011, 476, 220-223.	27.8	1,152
6	Neurotransmitter Release: The Last Millisecond in the Life of a Synaptic Vesicle. Neuron, 2013, 80, 675-690.	8.1	952
7	A Neuroligin-3 Mutation Implicated in Autism Increases Inhibitory Synaptic Transmission in Mice. Science, 2007, 318, 71-76.	12.6	932
8	The Presynaptic Active Zone. Neuron, 2012, 75, 11-25.	8.1	863
9	Neuroligins Determine Synapse Maturation and Function. Neuron, 2006, 51, 741-754.	8.1	717
10	Neuroligin 1: A splice site-specific ligand for Î²-neurexins. Cell, 1995, 81, 435-443.	28.9	639
11	Î±-Neurexins couple Ca2+ channels to synaptic vesicle exocytosis. Nature, 2003, 423, 939-948.	27.8	627
12	Synaptic Neurexin Complexes: A Molecular Code for the Logic of Neural Circuits. Cell, 2017, 171, 745-769.	28.9	608
13	A Neural Circuit for Memory Specificity and Generalization. Science, 2013, 339, 1290-1295.	12.6	585
14	Activity-Dependent Validation of Excitatory versus Inhibitory Synapses by Neuroligin-1 versus Neuroligin-2. Neuron, 2007, 54, 919-931.	8.1	511
15	RIM Proteins Tether Ca2+ Channels to Presynaptic Active Zones via a Direct PDZ-Domain Interaction. Cell, 2011, 144, 282-295.	28.9	502
16	Cellubrevin is a ubiquitous tetanus-toxin substrate homologous to a putative synaptic vesicle fusion protein. Nature, 1993, 364, 346-349.	27.8	489
17	Towards an Understanding of Synapse Formation. Neuron, 2018, 100, 276-293.	8.1	445
18	Synaptotagmins: Why So Many?. Journal of Biological Chemistry, 2002, 277, 7629-7632.	3.4	425

#	Article	IF	Citations
19	A Splice Code for trans-Synaptic Cell Adhesion Mediated by Binding of Neuroligin 1 to Î±- and Î²-Neurexins. Neuron, 2005, 48, 229-236.	8.1	416
20	Acid-dependent ligand dissociation and recycling of LDL receptor mediated by growth factor homology region. Nature, 1987, 326, 760-765.	27.8	407
21	Cartography of neurexins: More than 1000 isoforms generated by alternative splicing and expressed in distinct subsets of neurons. Neuron, 1995, 14, 497-507.	8.1	405
22	Mouse neurexin-1Î± deletion causes correlated electrophysiological and behavioral changes consistent with cognitive impairments. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17998-18003.	7.1	404
23	Structures, Alternative Splicing, and Neurexin Binding of Multiple Neuroligins. Journal of Biological Chemistry, 1996, 271, 2676-2682.	3.4	398
24	Autism-Associated Neuroligin-3 Mutations Commonly Impair Striatal Circuits to Boost Repetitive Behaviors. Cell, 2014, 158, 198-212.	28.9	397
25	ApoE2, ApoE3, and ApoE4 Differentially Stimulate APP Transcription and AÎ² Secretion. Cell, 2017, 168, 427-441.e21.	28.9	372
26	A novel evolutionarily conserved domain of cell-adhesion GPCRs mediates autoproteolysis. EMBO Journal, 2012, 31, 1364-1378.	7.8	355
27	A dual-Ca2+-sensor model for neurotransmitter release in a central synapse. Nature, 2007, 450, 676-682.	27.8	321
28	RIM Determines Ca2+ Channel Density and Vesicle Docking at the Presynaptic Active Zone. Neuron, 2011, 69, 304-316.	8.1	316
29	Generation of Induced Neuronal Cells by the Single Reprogramming Factor ASCL1. Stem Cell Reports, 2014, 3, 282-296.	4.8	312
30	Dynamin GTPase regulated by protein kinase C phosphorylation in nerve terminals. Nature, 1993, 365, 163-166.	27.8	284
31	Cartography of neurexin alternative splicing mapped by single-molecule long-read mRNA sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1291-9.	7.1	280
32	Generation of pure GABAergic neurons by transcription factor programming. Nature Methods, 2017, 14, 621-628.	19.0	265
33	Binding of synaptotagmin to the Î±-latrotoxin receptor implicates both in synaptic vesicle exocytosis. Nature, 1991, 353, 65-68.	27.8	261
34	Structure and Evolution of Neurexin Genes: Insight into the Mechanism of Alternative Splicing. Genomics, 2002, 79, 849-859.	2.9	255
35	Presenilins are essential for regulating neurotransmitter release. Nature, 2009, 460, 632-636.	27.8	251
36	Presynaptic Neurexin-3 Alternative Splicing trans-Synaptically Controls Postsynaptic AMPA Receptor Trafficking. Cell, 2013, 154, 75-88.	28.9	246

#	Article	IF	Citations
37	Endocannabinoid-Mediated Long-Term Plasticity Requires cAMP/PKA Signaling and RIM1Îą. Neuron, 2007, 54, 801-812.	8.1	238
38	Binding Properties of Neuroligin 1 and Neurexin 1Î² Reveal Function as Heterophilic Cell Adhesion Molecules. Journal of Biological Chemistry, 1997, 272, 26032-26039.	3.4	206
39	Îą-Latrotoxin and Its Receptors: Neurexins and CIRL/Latrophilins. Annual Review of Neuroscience, 2001, 24, 933-962.	10.7	204
40	Synaptic Cell Adhesion. Cold Spring Harbor Perspectives in Biology, 2012, 4, a005694-a005694.	5.5	198
41	Mechanism of Phospholipid Binding by the C2A-Domain of Synaptotagmin Iâ€. Biochemistry, 1998, 37, 12395-12403.	2.5	190
42	Human Neuropsychiatric Disease Modeling using Conditional Deletion Reveals Synaptic Transmission Defects Caused by Heterozygous Mutations in NRXN1. Cell Stem Cell, 2015, 17, 316-328.	11.1	187
43	Myt1l safeguards neuronal identity by actively repressing many non-neuronal fates. Nature, 2017, 544, 245-249.	27.8	180
44	Structures of Neuroligin-1 and the Neuroligin-1/Neurexin-1Î² Complex Reveal Specific Protein-Protein and Protein-Ca2+ Interactions. Neuron, 2007, 56, 992-1003.	8.1	178
45	Conditional Deletion of All Neurexins Defines Diversity of Essential Synaptic Organizer Functions for Neurexins. Neuron, 2017, 94, 611-625.e4.	8.1	170
46	Dissection of Synapse Induction by Neuroligins. Journal of Biological Chemistry, 2005, 280, 22365-22374.	3.4	169
47	Latrophilins Function as Heterophilic Cell-adhesion Molecules by Binding to Teneurins. Journal of Biological Chemistry, 2014, 289, 387-402.	3.4	169
48	Latrophilin GPCRs direct synapse specificity by coincident binding of FLRTs and teneurins. Science, 2019, 363, .	12.6	169
49	Definition of a Molecular Pathway Mediating Îą-Synuclein Neurotoxicity. Journal of Neuroscience, 2015, 35, 5221-5232.	3.6	168
50	Distinct Neuronal Coding Schemes in Memory Revealed by Selective Erasure of Fast Synchronous Synaptic Transmission. Neuron, 2012, 73, 990-1001.	8.1	165
51	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.	7.1	162
52	Îą-Latrotoxin Receptor CIRL/Latrophilin 1 (CL1) Defines an Unusual Family of Ubiquitous G-protein-linked Receptors. Journal of Biological Chemistry, 1998, 273, 32715-32724.	3.4	159
53	Neurexins Physically and Functionally Interact with GABAA Receptors. Neuron, 2010, 66, 403-416.	8.1	154
54	CASK and Protein 4.1 Support F-actin Nucleation on Neurexins. Journal of Biological Chemistry, 2001, 276, 47869-47876.	3.4	150

#	Article	IF	Citations
55	The Making of Neurexins. Journal of Neurochemistry, 1998, 71, 1339-1347.	3.9	149
56	The cell-adhesion G protein-coupled receptor BAI3 is a high-affinity receptor for C1q-like proteins. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2534-2539.	7.1	148
57	High Affinity Neurexin Binding to Cell Adhesion G-protein-coupled Receptor CIRL1/Latrophilin-1 Produces an Intercellular Adhesion Complex. Journal of Biological Chemistry, 2012, 287, 9399-9413.	3.4	147
58	Single-Cell mRNA Profiling Reveals Cell-Type-Specific Expression of Neurexin Isoforms. Neuron, 2015, 87, 326-340.	8.1	144
59	Vam3p structure reveals conserved and divergent properties of syntaxins. Nature Structural Biology, 2001, 8, 258-264.	9.7	140
60	Extracellular Domains of Â-Neurexins Participate in Regulating Synaptic Transmission by Selectively Affecting N- and P/Q-Type Ca2+ Channels. Journal of Neuroscience, 2005, 25, 4330-4342.	3.6	136
61	The cell biology of synapse formation. Journal of Cell Biology, 2021, 220, .	5.2	136
62	How to Make an Active Zone: Unexpected Universal Functional Redundancy between RIMs and RIM-BPs. Neuron, 2016, 91, 792-807.	8.1	133
63	Neuroligins Sculpt Cerebellar Purkinje-Cell Circuits by Differential Control of Distinct Classes of Synapses. Neuron, 2015, 87, 781-796.	8.1	128
64	The C2B Domain of Synaptotagmin I Is a Ca2+-Binding Module. Biochemistry, 2001, 40, 5854-5860.	2.5	125
65	Î²-Neurexins Control Neural Circuits by Regulating Synaptic Endocannabinoid Signaling. Cell, 2015, 162, 593-606.	28.9	123
66	Monitoring synaptic transmission in primary neuronal cultures using local extracellular stimulation. Journal of Neuroscience Methods, 2007, 161, 75-87.	2.5	121
67	Neuroligin-1 performs neurexin-dependent and neurexin-independent functions in synapse validation. EMBO Journal, 2009, 28, 3244-3255.	7.8	120
68	Structural Basis for Teneurin Function in Circuit-Wiring: A Toxin Motif at the Synapse. Cell, 2018, 173, 735-748.e15.	28.9	119
69	Gene Selection, Alternative Splicing, and Post-translational Processing Regulate Neuroligin Selectivity for Î²-Neurexinsâ€. Biochemistry, 2006, 45, 12816-12827.	2.5	117
70	Distinct circuit-dependent functions of presynaptic neurexin-3 at GABAergic and glutamatergic synapses. Nature Neuroscience, 2015, 18, 997-1007.	14.8	109
71	Different Effects on Fast Exocytosis Induced by Synaptotagmin 1 and 2 Isoforms and Abundance But Not by Phosphorylation. Journal of Neuroscience, 2006, 26, 632-643.	3.6	108
72	Neurexophilin Binding to Î±-Neurexins. Journal of Biological Chemistry, 1998, 273, 34716-34723.	3.4	103

#	Article	IF	Citations
73	Presynaptic Neuronal Pentraxin Receptor Organizes Excitatory and Inhibitory Synapses. Journal of Neuroscience, 2017, 37, 1062-1080.	3.6	102
74	Structural Basis of Latrophilin-FLRT-UNC5 Interaction in Cell Adhesion. Structure, 2015, 23, 1678-1691.	3.3	101
75	Alternative Splicing of Presynaptic Neurexins Differentially Controls Postsynaptic NMDA and AMPA Receptor Responses. Neuron, 2019, 102, 993-1008.e5.	8.1	99
76	RIM-BPs Mediate Tight Coupling of Action Potentials to Ca 2+ -Triggered Neurotransmitter Release. Neuron, 2015, 87, 1234-1247.	8.1	97
77	ELKS2Î±/CAST Deletion Selectively Increases Neurotransmitter Release at Inhibitory Synapses. Neuron, 2009, 64, 227-239.	8.1	96
78	Structure and Evolution of Neurexophilin. Journal of Neuroscience, 1996, 16, 4360-4369.	3.6	90
79	Neurexins Are Functional Î±-Latrotoxin Receptors. Neuron, 1999, 22, 489-496.	8.1	89
80	Deletion of Î±-neurexins does not cause a major impairment of axonal pathfinding or synapse formation. Journal of Comparative Neurology, 2007, 502, 261-274.	1.6	89
81	Unique versus Redundant Functions of Neuroligin Genes in Shaping Excitatory and Inhibitory Synapse Properties. Journal of Neuroscience, 2017, 37, 6816-6836.	3.6	89
82	Postsynaptic adhesion GPCR latrophilin-2 mediates target recognition in entorhinal-hippocampal synapse assembly. Journal of Cell Biology, 2017, 216, 3831-3846.	5.2	86
83	Neurexophilins Form a Conserved Family of Neuropeptide-Like Glycoproteins. Journal of Neuroscience, 1998, 18, 3630-3638.	3.6	85
84	Differential Signaling Mediated by ApoE2, ApoE3, and ApoE4 in Human Neurons Parallels Alzheimer's Disease Risk. Journal of Neuroscience, 2019, 39, 7408-7427.	3.6	85
85	RIM1Î± and RIM1Î²Â² Are Synthesized from Distinct Promoters of theRIM1Gene to Mediate Differential But Overlapping Synaptic Functions. Journal of Neuroscience, 2008, 28, 13435-13447.	3.6	84
86	Unusually rapid evolution of Neuroligin-4 in mice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6421-6426.	7.1	84
87	Specific factors in blood from young but not old mice directly promote synapse formation and NMDA-receptor recruitment. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12524-12533.	7.1	82
88	Analysis of conditional heterozygous STXBP1 mutations in human neurons. Journal of Clinical Investigation, 2015, 125, 3560-3571.	8.2	82
89	Carbonic anhydrase-related protein CA10 is an evolutionarily conserved pan-neurexin ligand. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1253-E1262.	7.1	81
90	Membrane-Tethered Monomeric Neurexin LNS-Domain Triggers Synapse Formation. Journal of Neuroscience, 2013, 33, 14617-14628.	3.6	80

#	Article	IF	Citations
91	A central amygdala to zona incerta projection is required for acquisition and remote recall of conditioned fear memory. Nature Neuroscience, 2018, 21, 1515-1519.	14.8	80
92	The fragile X mutation impairs homeostatic plasticity in human neurons by blocking synaptic retinoic acid signaling. Science Translational Medicine, 2018, 10, .	12.4	79
93	Synaptic neurexin-1 assembles into dynamically regulated active zone nanoclusters. Journal of Cell Biology, 2019, 218, 2677-2698.	5.2	78
94	Neuroligin-4 Regulates Excitatory Synaptic Transmission in Human Neurons. Neuron, 2019, 103, 617-626.e6.	8.1	75
95	Retinoic Acid and LTP Recruit Postsynaptic AMPA Receptors Using Distinct SNARE-Dependent Mechanisms. Neuron, 2015, 86, 442-456.	8.1	72
96	The G Protein-coupled Receptor CL1 Interacts Directly with Proteins of the Shank Family. Journal of Biological Chemistry, 2000, 275, 36204-36210.	3.4	71
97	Calsyntenins Function as Synaptogenic Adhesion Molecules in Concert with Neurexins. Cell Reports, 2014, 6, 1096-1109.	6.4	71
98	Structure of the Janus-faced C2B domain of rabphilin. Nature Cell Biology, 1999, 1, 106-112.	10.3	67
99	Neuroligin-1 Signaling Controls LTP and NMDA Receptors by Distinct Molecular Pathways. Neuron, 2019, 102, 621-635.e3.	8.1	67
100	Â-Latrotoxin Stimulates a Novel Pathway of Ca2+-Dependent Synaptic Exocytosis Independent of the Classical Synaptic Fusion Machinery. Journal of Neuroscience, 2009, 29, 8639-8648.	3.6	63
101	Neurons generated by direct conversion of fibroblasts reproduce synaptic phenotype caused by autism-associated neuroligin-3 mutation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16622-16627.	7.1	61
102	Persistent transcriptional programmes are associated with remote memory. Nature, 2020, 587, 437-442.	27.8	61
103	Neuromodulator Signaling Bidirectionally Controls Vesicle Numbers in Human Synapses. Cell, 2019, 179, 498-513.e22.	28.9	59
104	Genetic Ablation of All Cerebellins Reveals Synapse Organizer Functions in Multiple Regions Throughout the Brain. Journal of Neuroscience, 2018, 38, 4774-4790.	3.6	58
105	Neurexins cluster Ca ²⁺ channels within the presynaptic active zone. EMBO Journal, 2020, 39, e103208.	7.8	58
106	GluD1 is a signal transduction device disguised as an ionotropic receptor. Nature, 2021, 595, 261-265.	27.8	51
107	Cross-platform validation of neurotransmitter release impairments in schizophrenia patient-derived NRXN1 -mutant neurons. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	49
108	Cerebellins are differentially expressed in selective subsets of neurons throughout the brain. Journal of Comparative Neurology, 2017, 525, 3286-3311.	1.6	48

#	Article	IF	Citations
109	IGF1-Dependent Synaptic Plasticity of Mitral Cells in Olfactory Memory during Social Learning. Neuron, 2017, 95, 106-122.e5.	8.1	48
110	Crystal Structure of the Second LNS/LG Domain from Neurexin 1Î±. Journal of Biological Chemistry, 2006, 281, 22896-22905.	3.4	46
111	Synaptotagmin-11 mediates a vesicle trafficking pathway that is essential for development and synaptic plasticity. Genes and Development, 2019, 33, 365-376.	5.9	46
112	RTN4/NoGo-receptor binding to BAI adhesion-GPCRs regulates neuronal development. Cell, 2021, 184, 5869-5885.e25.	28.9	45
113	Treatment of a genetic brain disease by CNS-wide microglia replacement. Science Translational Medicine, 2022, 14, eabl9945.	12.4	45
114	Latrophilin GPCR signaling mediates synapse formation. ELife, 2021, 10, .	6.0	44
115	Direct Reprogramming of Human Neurons Identifies MARCKSL1 as a Pathogenic Mediator of Valproic Acid-Induced Teratogenicity. Cell Stem Cell, 2019, 25, 103-119.e6.	11.1	43
116	Structural Characterization of Recombinant Soluble Rat Neuroligin 1:â€‰ Mapping of Secondary Structure and Glycosylation by Mass Spectrometry. Biochemistry, 2004, 43, 1496-1506.	2.5	41
117	Synaptic retinoic acid receptor signaling mediates mTOR-dependent metaplasticity that controls hippocampal learning. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7113-7122.	7.1	40
118	A Synaptic Circuit Required for Acquisition but Not Recall of Social Transmission of Food Preference. Neuron, 2020, 107, 144-157.e4.	8.1	40
119	LAR receptor phospho-tyrosine phosphatases regulate NMDA-receptor responses. ELife, 2020, 9, .	6.0	40
120	A toolbox of nanobodies developed and validated for use as intrabodies and nanoscale immunolabels in mammalian brain neurons. ELife, 2019, 8, .	6.0	39
121	Retinoic Acid Receptor RARÎ±-Dependent Synaptic Signaling Mediates Homeostatic Synaptic Plasticity at the Inhibitory Synapses of Mouse Visual Cortex. Journal of Neuroscience, 2018, 38, 10454-10466.	3.6	36
122	Alternative splicing controls teneurin-latrophilin interaction and synapse specificity by a shape-shifting mechanism. Nature Communications, 2020, 11, 2140.	12.8	36
123	Neuroligins Are Selectively Essential for NMDAR Signaling in Cerebellar Stellate Interneurons. Journal of Neuroscience, 2016, 36, 9070-9083.	3.6	34
124	SPARCL1 Promotes Excitatory But Not Inhibitory Synapse Formation and Function Independent of Neurexins and Neuroligins. Journal of Neuroscience, 2020, 40, 8088-8102.	3.6	33
125	Multiple signaling pathways are essential for synapse formation induced by synaptic adhesion molecules. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	29
126	Autism-associated neuroligin-4 mutation selectively impairs glycinergic synaptic transmission in mouse brainstem synapses. Journal of Experimental Medicine, 2018, 215, 1543-1553.	8.5	27

#	Article	IF	Citations
127	Deorphanizing FAM19A proteins as pan-neurexin ligands with an unusual biosynthetic binding mechanism. Journal of Cell Biology, 2020, 219, .	5.2	26
128	Cbln2 and Cbln4 are expressed in distinct medial habenula-interpeduncular projections and contribute to different behavioral outputs. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10235-E10244.	7.1	25
129	Neurexins regulate presynaptic GABAB-receptors at central synapses. Nature Communications, 2021, 12, 2380.	12.8	24
130	A simple Ca2+-imaging approach to neural network analyses in cultured neurons. Journal of Neuroscience Methods, 2021, 349, 109041.	2.5	21
131	Latrophilin-2 and latrophilin-3 are redundantly essential for parallel-fiber synapse function in cerebellum. ELife, 2020, 9, .	6.0	21
132	Structures of neurexophilinâ€“neurexin complexes reveal a regulatory mechanism of alternative splicing. EMBO Journal, 2019, 38, e101603.	7.8	19
133	Cerebellin-2 regulates a serotonergic dorsal raphe circuit that controls compulsive behaviors. Molecular Psychiatry, 2021, 26, 7509-7521.	7.9	18
134	Teneurins assemble into presynaptic nanoclusters that promote synapse formation via postsynaptic non-teneurin ligands. Nature Communications, 2022, 13, 2297.	12.8	17
135	Neuroligin-3 confines AMPA receptors into nanoclusters, thereby controlling synaptic strength at the calyx of Held synapses. Science Advances, 2022, 8, .	10.3	17
136	InsP3 receptor turnaround. Nature, 1990, 344, 495-495.	27.8	16
137	Dysfunction of parvalbumin neurons in the cerebellar nuclei produces an action tremor. Journal of Clinical Investigation, 2020, 130, 5142-5156.	8.2	16
138	<scp>RIM</scp> â€binding proteins recruit BKâ€channels to presynaptic release sites adjacent to voltageâ€gated Ca ²⁺ â€channels. EMBO Journal, 2018, 37, .	7.8	15
139	Cannabinoid receptor activation acutely increases synaptic vesicle numbers by activating synapsins in human synapses. Molecular Psychiatry, 2021, 26, 6253-6268.	7.9	15
140	Assignment of the 1H, 15N and 13C resonances of the calcium-free and calcium-bound forms of the first C2-domain of synaptotagmin I. Journal of Biomolecular NMR, 1997, 10, 307-308.	2.8	12
141	The conditional KO approach: Cre/Lox technology in human neurons. Rare Diseases (Austin, Tex), 2016, 4, e1131884.	1.8	10
142	The Perils of Navigating Activity-Dependent Alternative Splicing of Neurexins. Frontiers in Molecular Neuroscience, 2021, 14, 659681.	2.9	10
143	Myt1l haploinsufficiency leads to obesity and multifaceted behavioral alterations in mice. Molecular Autism, 2022, 13, 19.	4.9	10
144	Molecular self-avoidance in synaptic neurexin complexes. Science Advances, 2021, 7, eabk1924.	10.3	9

#	Article	IF	Citations
145	CAPS in Search of a Lost Function. Neuron, 2005, 46, 2-4.	8.1	8
146	Identification, expression, and crystallization of the proteaseâ€resistant conserved domain of synapsin I. Protein Science, 1997, 6, 2264-2267.	7.6	7
147	Transsynaptic cerebellin 4â€“neogenin 1 signaling mediates LTP in the mouse dentate gyrus. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2123421119.	7.1	6
148	Induction of synapse formation by de novo neurotransmitter synthesis. Nature Communications, 2022, 13, .	12.8	6
149	Engineered synaptic tools reveal localized cAMP signaling in synapse assembly. Journal of Cell Biology, 2022, 221, .	5.2	5
150	Deletion of Calsyntenin-3, an atypical cadherin, suppresses inhibitory synapses but increases excitatory parallel-fiber synapses in cerebellum. ELife, 2022, 11, .	6.0	4
151	Identification of Endogenous/transfected Synaptic Proteins in Primary Neuronal Culture by a High-yield Immunogold Labeling. Microscopy and Microanalysis, 2003, 9, 1498-1499.	0.4	0
152	Proteolytic regulation of calcium channels - avoiding controversy.. Faculty Reviews, 2022, 11, 5.	3.9	0