

Erin M Schuman

List of Publications by Year in descending order

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169
papers

27,091
citations

7672

79
h-index

7234

158
g-index

192
all docs

192
docs citations

192
times ranked

24413
citing authors

#	ARTICLE	IF	CITATIONS
1	P2X7 receptor blockade reduces tau induced toxicity, therapeutic implications in tauopathies. <i>Progress in Neurobiology</i> , 2022, 208, 102173.	2.8	22
2	Proteostatic regulation in neuronal compartments. <i>Trends in Neurosciences</i> , 2022, 45, 41-52.	4.2	30
3	Quantifying phosphorylation dynamics in primary neuronal cultures using LC-MS/MS. <i>STAR Protocols</i> , 2022, 3, 101063.	0.5	0
4	Subcellular RNA-seq for the Analysis of the Dendritic and Somatic Transcriptomes of Single Neurons. <i>Bio-protocol</i> , 2022, 12, e4278.	0.2	2
5	The neuropeptide Pth2 modulates social behavior and anxiety in zebrafish. <i>iScience</i> , 2022, 25, 103868.	1.9	11
6	Co-translational assembly orchestrates competing biogenesis pathways. <i>Nature Communications</i> , 2022, 13, 1224.	5.8	25
7	Oxytocin receptors influence the development and maintenance of social behavior in zebrafish (<i>Danio</i>) Tj ETQq1 1 0.784314 rgBT /Over 1.6 18	1.6	18
8	Photo-tethered molecular beacons for superior light-induction. <i>Chemical Communications</i> , 2021, 57, 615-618.	2.2	8
9	Subcellular sequencing of single neurons reveals the dendritic transcriptome of GABAergic interneurons. <i>ELife</i> , 2021, 10, .	2.8	48
10	Differential regulation of local mRNA dynamics and translation following long-term potentiation and depression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	54
11	A Functional Dissection of the mRNA and Locally Synthesized Protein Population in Neuronal Dendrites and Axons. <i>Annual Review of Genetics</i> , 2021, 55, 183-207.	3.2	21
12	Dynamic bi-directional phosphorylation events associated with the reciprocal regulation of synapses during homeostatic up- and down-scaling. <i>Cell Reports</i> , 2021, 36, 109583.	2.9	21
13	The prevalence and specificity of local protein synthesis during neuronal synaptic plasticity. <i>Science Advances</i> , 2021, 7, eabj0790.	4.7	33
14	The integrated stress response contributes to tRNA synthetase-associated peripheral neuropathy. <i>Science</i> , 2021, 373, 1156-1161.	6.0	64
15	Correction of amygdalar dysfunction in a rat model of fragile X syndrome. <i>Cell Reports</i> , 2021, 37, 109805.	2.9	14
16	Neuronal ribosomes exhibit dynamic and context-dependent exchange of ribosomal proteins. <i>Nature Communications</i> , 2021, 12, 6127.	5.8	63
17	The translatoome of neuronal cell bodies, dendrites, and axons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	65
18	LIMK, Cofilin 1 and actin dynamics involvement in fear memory processing. <i>Neurobiology of Learning and Memory</i> , 2020, 173, 107275.	1.0	7

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19	The neuropeptide Pth2 dynamically senses others via mechanosensation. <i>Nature</i> , 2020, 588, 653-657.	13.7	39
20	Statistical Laws of Protein Motion in Neuronal Dendritic Trees. <i>Cell Reports</i> , 2020, 33, 108391.	2.9	12
21	Monosomes actively translate synaptic mRNAs in neuronal processes. <i>Science</i> , 2020, 367, .	6.0	166
22	The switch-like expression of heme-regulated kinase 1 mediates neuronal proteostasis following proteasome inhibition. <i>ELife</i> , 2020, 9, .	2.8	36
23	Proteome dynamics during homeostatic scaling in cultured neurons. <i>ELife</i> , 2020, 9, .	2.8	79
24	A genetically encodable cell-type-specific protein synthesis inhibitor. <i>Nature Methods</i> , 2019, 16, 699-702.	9.0	14
25	How mRNA Localization and Protein Synthesis Sites Influence Dendritic Protein Distribution and Dynamics. <i>Neuron</i> , 2019, 103, 1109-1122.e7.	3.8	48
26	Local translation in neurons: visualization and function. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 557-566.	3.6	355
27	Full-length transcriptome reconstruction reveals a large diversity of RNA and protein isoforms in rat hippocampus. <i>Nature Communications</i> , 2019, 10, 5009.	5.8	43
28	Long and Repeat-Rich Intronic Sequences Favor Circular RNA Formation under Conditions of Reduced Spliceosome Activity. <i>IScience</i> , 2019, 20, 237-247.	1.9	27
29	ATM phosphorylation of the actin-binding protein drebrin controls oxidation stress-resistance in mammalian neurons and <i>C. elegans</i> . <i>Nature Communications</i> , 2019, 10, 486.	5.8	25
30	Local protein synthesis is a ubiquitous feature of neuronal pre- and postsynaptic compartments. <i>Science</i> , 2019, 364, .	6.0	285
31	Local translation in neuronal processes. <i>Current Opinion in Neurobiology</i> , 2019, 57, 141-148.	2.0	96
32	Glutamate Receptor Trafficking and Protein Synthesis Mediate the Facilitation of LTP by Secreted Amyloid Precursor Protein-Alpha. <i>Journal of Neuroscience</i> , 2019, 39, 3188-3203.	1.7	35
33	Spatially Stable Mitochondrial Compartments Fuel Local Translation during Plasticity. <i>Cell</i> , 2019, 176, 73-84.e15.	13.5	235
34	Cell-type-specific metabolic labeling, detection and identification of nascent proteomes in vivo. <i>Nature Protocols</i> , 2019, 14, 556-575.	5.5	50
35	Super-resolution imaging and estimation of protein copy numbers at single synapses with DNA-point accumulation for imaging in nanoscale topography. <i>Neurophotonics</i> , 2019, 6, 1.	1.7	19
36	Alternative 3' UTRs Modify the Localization, Regulatory Potential, Stability, and Plasticity of mRNAs in Neuronal Compartments. <i>Neuron</i> , 2018, 98, 495-511.e6.	3.8	282

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37	Zelltypspezifische Proteommarkierung in vivo. BioSpektrum, 2018, 24, 390-392.	0.0	0
38	A New Photocaged Puromycin for an Efficient Labeling of Newly Translated Proteins in Living Neurons. ChemBioChem, 2018, 19, 2458-2464.	1.3	21
39	Local and global influences on protein turnover in neurons and glia. ELife, 2018, 7, .	2.8	168
40	Time- and polarity-dependent proteomic changes associated with homeostatic scaling at central synapses. ELife, 2018, 7, .	2.8	49
41	Activity-dependent spatially localized miRNA maturation in neuronal dendrites. Science, 2017, 355, 634-637.	6.0	166
42	Local translation in neuronal compartments: how local is local?. EMBO Reports, 2017, 18, 693-711.	2.0	146
43	mRNA transport & local translation in neurons. Current Opinion in Neurobiology, 2017, 45, 169-177.	2.0	182
44	Cell-type-specific metabolic labeling of nascent proteomes in vivo. Nature Biotechnology, 2017, 35, 1196-1201.	9.4	153
45	Visualization of newly synthesized neuronal RNA in vitro and in vivo using click-chemistry. RNA Biology, 2017, 14, 20-28.	1.5	28
46	Circular RNAs in Brain and Other Tissues: A Functional Enigma. Trends in Neurosciences, 2016, 39, 597-604.	4.2	181
47	Nascent Proteome Remodeling following Homeostatic Scaling at Hippocampal Synapses. Neuron, 2016, 92, 358-371.	3.8	125
48	Protein degradation in a LAMP-2-deficient B-lymphoblastoid cell line from a patient with Danon disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1423-1432.	1.8	3
49	Rethinking Functional Segregation: Gradients of Gene Expression in Area CA1. Neuron, 2016, 89, 242-243.	3.8	6
50	Engineered Aminoacyl-tRNA Synthetase for Cell-Selective Analysis of Mammalian Protein Synthesis. Journal of the American Chemical Society, 2016, 138, 4278-4281.	6.6	50
51	Unconventional secretory processing diversifies neuronal ion channel properties. ELife, 2016, 5, .	2.8	92
52	Opting in or out of the network. Science, 2015, 350, 1477-1478.	6.0	2
53	Design of Photocaged Puromycin for Nascent Polypeptide Release and Spatiotemporal Monitoring of Translation. Angewandte Chemie - International Edition, 2015, 54, 3717-3721.	7.2	51
54	Cell-specific proteomic analysis in <i>Caenorhabditis elegans</i> . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2705-2710.	3.3	99

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55	Neural circular RNAs are derived from synaptic genes and regulated by development and plasticity. <i>Nature Neuroscience</i> , 2015, 18, 603-610.	7.1	1,024
56	Direct visualization of newly synthesized target proteins in situ. <i>Nature Methods</i> , 2015, 12, 411-414.	9.0	234
57	Lateral assembly of N-cadherin drives tissue integrity by stabilizing adherens junctions. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20141055.	1.5	11
58	The Regulation of Synaptic Protein Turnover. <i>Journal of Biological Chemistry</i> , 2015, 290, 28623-28630.	1.6	102
59	BONCAT: Metabolic Labeling, Click Chemistry, and Affinity Purification of Newly Synthesized Proteomes. <i>Methods in Molecular Biology</i> , 2015, 1266, 199-215.	0.4	54
60	Epitope Mapping of Antibodies to Alpha-Synuclein in LRRK2 Mutation Carriers, Idiopathic Parkinson Disease Patients, and Healthy Controls. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 169.	1.7	9
61	SnapShot: Local Protein Translation in Dendrites. <i>Neuron</i> , 2014, 81, 958-958.e1.	3.8	33
62	mRNA, Live and Unmasked. <i>Science</i> , 2014, 343, 375-376.	6.0	10
63	Synaptic Control of Secretory Trafficking in Dendrites. <i>Cell Reports</i> , 2014, 7, 1771-1778.	2.9	62
64	Quantitative, Time-Resolved Proteomic Analysis by Combining Bioorthogonal Noncanonical Amino Acid Tagging and Pulsed Stable Isotope Labeling by Amino Acids in Cell Culture. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 1352-1358.	2.5	83
65	Mechanism of cleavage of alpha-synuclein by the 20S proteasome and modulation of its degradation by the RedOx state of the N-terminal methionines. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 352-365.	1.9	50
66	Teaching old NCATs new tricks: using non-canonical amino acid tagging to study neuronal plasticity. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 738-746.	2.8	38
67	Proteostasis in complex dendrites. <i>Nature Reviews Neuroscience</i> , 2013, 14, 638-648.	4.9	130
68	The Central Dogma Decentralized: New Perspectives on RNA Function and Local Translation in Neurons. <i>Neuron</i> , 2013, 80, 648-657.	3.8	473
69	Deep Sequencing and High-Resolution Imaging Reveal Compartment-Specific Localization of <i>Bdnf</i> mRNA in Hippocampal Neurons. <i>Science Signaling</i> , 2013, 6, rs16.	1.6	38
70	Axonal Translation of β -Catenin Regulates Synaptic Vesicle Dynamics. <i>Journal of Neuroscience</i> , 2013, 33, 5584-5589.	1.7	86
71	Mutant methionyl-tRNA synthetase from bacteria enables site-selective N-terminal labeling of proteins expressed in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4992-4997.	3.3	57
72	Protein Synthesis-Dependent Associative Long-Term Memory in Larval Zebrafish. <i>Journal of Neuroscience</i> , 2013, 33, 15382-15387.	1.7	55

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73	The N-Terminal Region of Nurr1 (a.a 1-31) Is Essential for Its Efficient Degradation by the Ubiquitin Proteasome Pathway. PLoS ONE, 2013, 8, e55999.	1.1	12
74	Role of N-Cadherin cis and trans Interfaces in the Dynamics of Adherens Junctions in Living Cells. PLoS ONE, 2013, 8, e81517.	1.1	19
75	A Critical Appraisal of Quantitative Studies of Protein Degradation in the Framework of Cellular Proteostasis. Biochemistry Research International, 2012, 2012, 1-11.	1.5	27
76	State-Selective Metabolic Labeling of Cellular Proteins. ACS Chemical Biology, 2012, 7, 1326-1330.	1.6	23
77	Noncanonical Amino Acid Labeling in Vivo to Visualize and Affinity Purify Newly Synthesized Proteins in Larval Zebrafish. ACS Chemical Neuroscience, 2012, 3, 40-49.	1.7	117
78	Dopaminergic modulation of the hippocampal neuropil proteome identified by bioorthogonal noncanonical amino acid tagging (BONCAT). Proteomics, 2012, 12, 2464-2476.	1.3	58
79	The Local Transcriptome in the Synaptic Neuropil Revealed by Deep Sequencing and High-Resolution Imaging. Neuron, 2012, 74, 453-466.	3.8	626
80	Reduced protein stability of human DJ-1/PARK7 L166P, linked to autosomal recessive Parkinson disease, is due to direct endoproteolytic cleavage by the proteasome. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 524-533.	1.9	29
81	Functional division of hippocampal area CA1 via modulatory gating of entorhinal cortical inputs. Hippocampus, 2012, 22, 372-387.	0.9	58
82	Synphilin-1 inhibits alpha-synuclein degradation by the proteasome. Cellular and Molecular Life Sciences, 2011, 68, 2643-2654.	2.4	31
83	Calcium-dependent dynamics of cadherin interactions at cell-cell junctions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9857-9862.	3.3	129
84	Cerebellar-Dependent Learning in Larval Zebrafish. Journal of Neuroscience, 2011, 31, 8708-8712.	1.7	102
85	New technologies. Current Opinion in Neurobiology, 2010, 20, 608-609.	2.0	0
86	Protein homeostasis and synaptic plasticity. EMBO Journal, 2010, 29, 2746-2752.	3.5	156
87	Human memory strength is predicted by theta-frequency phase-locking of single neurons. Nature, 2010, 464, 903-907.	13.7	537
88	In situ visualization and dynamics of newly synthesized proteins in rat hippocampal neurons. Nature Neuroscience, 2010, 13, 897-905.	7.1	398
89	Cleavable Biotin Probes for Labeling of Biomolecules via Azide-Alkyne Cycloaddition. Journal of the American Chemical Society, 2010, 132, 18351-18360.	6.6	180
90	Characterization of the brain 26S proteasome and its interacting proteins. Frontiers in Molecular Neuroscience, 2010, 3, .	1.4	99

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91	Angelman Syndrome: Finding the Lost Arc. <i>Cell</i> , 2010, 140, 608-610.	13.5	6
92	Microfluidic Local Perfusion Chambers for the Visualization and Manipulation of Synapses. <i>Neuron</i> , 2010, 66, 57-68.	3.8	251
93	Partitioning the Synaptic Landscape: Distinct Microdomains for Spontaneous and Spike-Triggered Neurotransmission. <i>Science Signaling</i> , 2009, 2, pe19.	1.6	31
94	Cell-selective metabolic labeling of proteins. <i>Nature Chemical Biology</i> , 2009, 5, 715-717.	3.9	160
95	Ubiquitin, the proteasome and protein degradation in neuronal function and dysfunction. <i>Nature Reviews Neuroscience</i> , 2008, 9, 826-838.	4.9	419
96	Cadherins and synaptic plasticity. <i>Current Opinion in Cell Biology</i> , 2008, 20, 567-575.	2.6	93
97	Removal of S6K1 and S6K2 leads to divergent alterations in learning, memory, and synaptic plasticity. <i>Learning and Memory</i> , 2008, 15, 29-38.	0.5	132
98	Activity of human hippocampal and amygdala neurons during retrieval of declarative memories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 329-334.	3.3	90
99	Constitutive/Hypoxic Degradation of HIF-1 α Proteins by the Proteasome Is Independent of von Hippel Lindau Protein Ubiquitylation and the Transactivation Activity of the Protein. <i>Journal of Biological Chemistry</i> , 2007, 282, 15498-15505.	1.6	70
100	Activity-Regulated N-Cadherin Endocytosis. <i>Neuron</i> , 2007, 54, 771-785.	3.8	143
101	Postsynaptic Decoding of Neural Activity: eEF2 as a Biochemical Sensor Coupling Miniature Synaptic Transmission to Local Protein Synthesis. <i>Neuron</i> , 2007, 55, 648-661.	3.8	237
102	Labeling, detection and identification of newly synthesized proteomes with bioorthogonal non-canonical amino-acid tagging. <i>Nature Protocols</i> , 2007, 2, 532-540.	5.5	291
103	Synaptic Regulation of Translation of Dendritic mRNAs. <i>Journal of Neuroscience</i> , 2006, 26, 7143-7146.	1.7	210
104	Activity-dependent dynamics and sequestration of proteasomes in dendritic spines. <i>Nature</i> , 2006, 441, 1144-1148.	13.7	307
105	Miniature Neurotransmission Stabilizes Synaptic Function via Tonic Suppression of Local Dendritic Protein Synthesis. <i>Cell</i> , 2006, 125, 785-799.	13.5	559
106	Dendritic Protein Synthesis, Synaptic Plasticity, and Memory. <i>Cell</i> , 2006, 127, 49-58.	13.5	766
107	Single-Trial Learning of Novel Stimuli by Individual Neurons of the Human Hippocampus-Amygdala Complex. <i>Neuron</i> , 2006, 49, 805-813.	3.8	254
108	Inhibition of 26S proteasome activity by huntingtin filaments but not inclusion bodies isolated from mouse and human brain. <i>Journal of Neurochemistry</i> , 2006, 98, 1585-1596.	2.1	89

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109	Online detection and sorting of extracellularly recorded action potentials in human medial temporal lobe recordings, in vivo. <i>Journal of Neuroscience Methods</i> , 2006, 154, 204-224.	1.3	266
110	Signalling mechanisms. <i>Current Opinion in Neurobiology</i> , 2006, 16, 247-250.	2.0	2
111	MicroRNA: MicroRNAs Reach out into Dendrites. <i>Current Biology</i> , 2006, 16, R121-R123.	1.8	23
112	Selective identification of newly synthesized proteins in mammalian cells using bioorthogonal noncanonical amino acid tagging (BONCAT). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9482-9487.	3.3	716
113	Light-Mediated Inhibition of Protein Synthesis. <i>Chemistry and Biology</i> , 2005, 12, 685-693.	6.2	64
114	Synaptic protein degradation by the ubiquitin proteasome system. <i>Current Opinion in Neurobiology</i> , 2005, 15, 536-541.	2.0	116
115	Local translational control in dendrites and its role in long-term synaptic plasticity. <i>Journal of Neurobiology</i> , 2005, 64, 116-131.	3.7	175
116	Measurement of dendritic mRNA transport using ribosomal markers. <i>Biochemical and Biophysical Research Communications</i> , 2005, 328, 895-900.	1.0	21
117	Mechanism of direct degradation of β -amyloid by 20S proteasome. <i>FEBS Letters</i> , 2005, 579, 4797-4802.	1.3	50
118	Dopaminergic Stimulation of Local Protein Synthesis Enhances Surface Expression of GluR1 and Synaptic Transmission in Hippocampal Neurons. <i>Neuron</i> , 2005, 45, 765-779.	3.8	221
119	Long-range temporal correlations in the spontaneous spiking of neurons in the hippocampal-amygdala complex of humans. <i>Neuroscience</i> , 2005, 131, 547-555.	1.1	64
120	β -Synuclein Expression Levels Do Not Significantly Affect Proteasome Function and Expression in Mice and Stably Transfected PC12 Cell Lines. <i>Journal of Biological Chemistry</i> , 2004, 279, 52984-52990.	1.6	49
121	Role for a cortical input to hippocampal area CA1 in the consolidation of a long-term memory. <i>Nature</i> , 2004, 431, 699-703.	13.7	322
122	Regulation of Dendritic Protein Synthesis by Miniature Synaptic Events. <i>Science</i> , 2004, 304, 1979-1983.	6.0	233
123	Fueling Synapses. <i>Cell</i> , 2004, 119, 738-740.	13.5	15
124	A proteasome-sensitive connection between PSD-95 and GluR1 endocytosis. <i>Neuropharmacology</i> , 2004, 47, 755-763.	2.0	84
125	Ubiquitin-Mediated Proteasome Activity Is Required for Agonist-Induced Endocytosis of GluRs. <i>Current Biology</i> , 2003, 13, 2073-2081.	1.8	187
126	Compartmentalized Synthesis and Degradation of Proteins in Neurons. <i>Neuron</i> , 2003, 40, 347-359.	3.8	368

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127	Molecular Mechanisms Contributing to Long-Lasting Synaptic Plasticity at the Temporoammonic-CA1 Synapse. <i>Learning and Memory</i> , 2003, 10, 247-252.	0.5	67
128	A rapamycin-sensitive signaling pathway contributes to long-term synaptic plasticity in the hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 467-472.	3.3	680
129	Depolarization Drives β -Catenin into Neuronal Spines Promoting Changes in Synaptic Structure and Function. <i>Neuron</i> , 2002, 35, 91-105.	3.8	316
130	Regulation and function of local protein synthesis in neuronal dendrites. <i>Trends in Biochemical Sciences</i> , 2002, 27, 506-513.	3.7	111
131	Direct cortical input modulates plasticity and spiking in CA1 pyramidal neurons. <i>Nature</i> , 2002, 416, 736-740.	13.7	175
132	Protein Synthesis at Synaptic Sites on Dendrites. <i>Annual Review of Neuroscience</i> , 2001, 24, 299-325.	5.0	653
133	Dynamic Visualization of Local Protein Synthesis in Hippocampal Neurons. <i>Neuron</i> , 2001, 30, 489-502.	3.8	533
134	A Role for a Rat Homolog of Staufin in the Transport of RNA to Neuronal Dendrites. <i>Neuron</i> , 2001, 32, 463-475.	3.8	203
135	Abundant GFP Expression and LTP in Hippocampal Acute Slices by In Vivo Injection of Sindbis Virus. <i>Journal of Neurophysiology</i> , 2001, 86, 1037-1042.	0.9	24
136	Local protein synthesis in neurons. <i>Current Biology</i> , 2001, 11, R901-R903.	1.8	12
137	The aspirin metabolite sodium salicylate causes focal cerebral hemorrhage and cell death in rats with kainic acid-induced seizures. <i>Neuroscience</i> , 2000, 99, 107-117.	1.1	14
138	Intracellular Ca ²⁺ signaling is required for neurotrophin-induced potentiation in the adult rat hippocampus. <i>Neuroscience Letters</i> , 2000, 282, 141-144.	1.0	47
139	Long-Term Depression of Temporoammonic-CA1 Hippocampal Synaptic Transmission. <i>Journal of Neurophysiology</i> , 1999, 81, 1036-1044.	0.9	48
140	Tetanic Stimulation Leads to Increased Accumulation of Ca ²⁺ /Calmodulin-Dependent Protein Kinase II via Dendritic Protein Synthesis in Hippocampal Neurons. <i>Journal of Neuroscience</i> , 1999, 19, 7823-7833.	1.7	271
141	Patterned Activity in Stratum Lacunosum Moleculare Inhibits CA1 Pyramidal Neuron Firing. <i>Journal of Neurophysiology</i> , 1999, 82, 3213-3222.	0.9	65
142	The role of cell adhesion molecules in synaptic plasticity and memory. <i>Current Opinion in Cell Biology</i> , 1999, 11, 549-553.	2.6	152
143	Neurotrophin regulation of synaptic transmission. <i>Current Opinion in Neurobiology</i> , 1999, 9, 105-109.	2.0	301
144	mRNA Trafficking and Local Protein Synthesis at the Synapse. <i>Neuron</i> , 1999, 23, 645-648.	3.8	92

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145	Neuronal NT-3 Is not Required For Synaptic Transmission or Long-Term Potentiation in Area CA1 of the Adult Rat Hippocampus. <i>Learning and Memory</i> , 1999, 6, 267-275.	0.5	32
146	A Role for the Cadherin Family of Cell Adhesion Molecules in Hippocampal Long-Term Potentiation. <i>Neuron</i> , 1998, 20, 1165-1175.	3.8	324
147	A role for BDNF in the late-phase of hippocampal long-term potentiation. <i>Neuropharmacology</i> , 1998, 37, 553-559.	2.0	241
148	[27] Recombinant adenovirus-mediated expression in nervous system of genes coding for ion channels and other molecules involved in synaptic function. <i>Methods in Enzymology</i> , 1998, 293, 483-503.	0.4	30
149	Enhancement of Neurotransmitter Release Induced by Brain-Derived Neurotrophic Factor in Cultured Hippocampal Neurons. <i>Journal of Neuroscience</i> , 1998, 18, 10231-10240.	1.7	296
150	Expression of a dominant negative TrkB receptor, T1, reveals a requirement for presynaptic signaling in BDNF-induced synaptic potentiation in cultured hippocampal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 10884-10889.	3.3	140
151	Modification of hippocampal synaptic proteins by nitric oxide-stimulated ADP ribosylation.. <i>Learning and Memory</i> , 1997, 3, 414-424.	0.5	17
152	Neurotrophins and Time: Different Roles for TrkB Signaling in Hippocampal Long-Term Potentiation. <i>Neuron</i> , 1997, 19, 653-664.	3.8	471
153	Synapse Specificity and Long-Term Information Storage. <i>Neuron</i> , 1997, 18, 339-342.	3.8	88
154	Visualization of the Distribution of Autophosphorylated Calcium/Calmodulin-Dependent Protein Kinase II after Tetanic Stimulation in the CA1 Area of the Hippocampus. <i>Journal of Neuroscience</i> , 1997, 17, 5416-5427.	1.7	209
155	A Requirement for Local Protein Synthesis in Neurotrophin-Induced Hippocampal Synaptic Plasticity. <i>Science</i> , 1996, 273, 1402-1406.	6.0	915
156	A Role for Endothelial NO Synthase in LTP Revealed by Adenovirus-Mediated Inhibition and Rescue. <i>Science</i> , 1996, 274, 1744-1748.	6.0	257
157	Determinants of BDNF-induced hippocampal synaptic plasticity: role of the Trk B receptor and the kinetics of neurotrophin delivery.. <i>Learning and Memory</i> , 1996, 3, 188-196.	0.5	59
158	Long-lasting neurotrophin-induced enhancement of synaptic transmission in the adult hippocampus. <i>Science</i> , 1995, 267, 1658-1662.	6.0	1,283
159	Synaptic facilitation at connections of Hermessenda type B photoreceptors. <i>Journal of Neuroscience</i> , 1994, 14, 1613-1622.	1.7	51
160	Locally distributed synaptic potentiation in the hippocampus. <i>Science</i> , 1994, 263, 532-536.	6.0	384
161	Nitric Oxide and Synaptic Function. <i>Annual Review of Neuroscience</i> , 1994, 17, 153-183.	5.0	764
162	Molecular consequences of diffusible signaling: locally distributed synaptic enhancement in hippocampal neurons. <i>Seminars in Cell Biology</i> , 1994, 5, 251-261.	3.5	6

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163	Involvement of nitric oxide in synaptic plasticity and learning. <i>Seminars in Neuroscience</i> , 1994, 6, 11-20.	2.3	13
164	Inhibition of hippocampal heme oxygenase, nitric oxide synthase, and long-term potentiation by metalloporphyrins. <i>Neuron</i> , 1994, 13, 1225-1233.	3.8	245
165	An ADP-ribosyltransferase as a potential target for nitric oxide action in hippocampal long-term potentiation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 11958-11962.	3.3	131
166	29 Communication of synaptic potentiation between synapses of the hippocampus. <i>Advances in Second Messenger and Phosphoprotein Research</i> , 1994, 29, 507-520.	4.5	3
167	Nitric oxide as an intercellular signal in long-term potentiation. <i>Seminars in Neuroscience</i> , 1993, 5, 207-215.	2.3	18
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