Stefan F Lichtenthaler

List of Publications by Year
in descending order

155	9,213	38660 50	48187 88
papers	citations	h-index	g-index

173	173	173	11641
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glitter in the Darkness? Nonfibrillar Î²-Amyloid Plaque Components Significantly Impact the Î²-Amyloid PET Signal in Mouse Models of Alzheimer Disease. Journal of Nuclear Medicine, 2022, 63, 117-124.	2.8	14
2	Secretases in Alzheimer's disease: Novel insights into proteolysis of APP and TREM2. Current Opinion in Neurobiology, 2022, 72, 101-110.	2.0	28
3	Proteomic profiling in cerebral amyloid angiopathy reveals an overlap with CADASIL highlighting accumulation of HTRA1 and its substrates. Acta Neuropathologica Communications, 2022, 10, 6.	2.4	16
4	Shed CNTNAP2 ectodomain is detectable in CSF and regulates Ca2+ homeostasis and network synchrony via PMCA2/ATP2B2. Neuron, 2022, 110, 627-643.e9.	3.8	17
5	The Î²-Secretase Substrate Seizure 6â€“Like Protein (SEZ6L) Controls Motor Functions in Mice. Molecular Neurobiology, 2022, 59, 1183-1198.	1.9	3
6	ADAM10 and ADAM17 promote SARSâ€CoVâ€2 cell entry and spike proteinâ€mediated lung cell fusion. EMBO Reports, 2022, 23, e54305.	2.0	57
7	Quantitative Proteomics Reveals That ADAM15 Can Have Proteolytic-Independent Functions in the Steady State. Membranes, 2022, 12, 578.	1.4	2
8	LncRNA RUS shapes the gene expression program towards neurogenesis. Life Science Alliance, 2022, 5, e202201504.	1.3	5
9	Signatures of glial activity can be detected in the CSF proteome. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	12
10	Neuronal Differentiation of LUHMES Cells Induces Substantial Changes of the Proteome. Proteomics, 2021, 21, e2000174.	1.3	9
11	Targeted truncation of the ADAM17 cytoplasmic domain in mice results in protein destabilization and a hypomorphic phenotype. Journal of Biological Chemistry, 2021, 296, 100733.	1.6	9
12	Quantitative Proteomics Reveals Changes Induced by TIMP-3 on Cell Membrane Composition and Novel Metalloprotease Substrates. International Journal of Molecular Sciences, 2021, 22, 2392.	1.8	6
13	Loss of NPC1 enhances phagocytic uptake and impairs lipid trafficking in microglia. Nature Communications, 2021, 12, 1158.	5.8	58
14	ADAM10-Mediated Ectodomain Shedding Is an Essential Driver of Podocyte Damage. Journal of the American Society of Nephrology: JASN, 2021, 32, 1389-1408.	3.0	7
15	Features of MOG required for recognition by patients with MOG antibody-associated disorders. Brain, 2021, 144, 2375-2389.	3.7	27
16	Amyloid-Beta Mediates Homeostatic Synaptic Plasticity. Journal of Neuroscience, 2021, 41, 5157-5172.	1.7	26
17	OAS1/RNase L executes RIG-I ligandâ€dependent tumor cell apoptosis. Science Immunology, 2021, 6, .	5.6	19
18	The Uppsala APP deletion causes early onset autosomal dominant Alzheimerâ€™s disease by altering APP processing and increasing amyloid Î² fibril formation. Science Translational Medicine, 2021, 13, .	5.8	23

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19	Endoglycan (PODXL2) is proteolytically processed by ADAM10 (a disintegrin and metalloprotease 10) and controls neurite branching in primary neurons. FASEB Journal, 2021, 35, e21813.	0.2	2
20	The case for low-level BACE1 inhibition for the prevention of Alzheimer disease. Nature Reviews Neurology, 2021, 17, 703-714.	4.9	65
21	Highly efficient intercellular spreading of protein misfolding mediated by viral ligand-receptor interactions. Nature Communications, 2021, 12, 5739.	5.8	42
22	The pseudoprotease iRhom1 controls ectodomain shedding of membrane proteins in the nervous system. FASEB Journal, 2021, 35, e21962.	0.2	5
23	Proteomic and lipidomic profiling of demyelinating lesions identifies fatty acids as modulators in lesion recovery. Cell Reports, 2021, 37, 109898.	2.9	11
24	Glitter in the darkness? Nonâ€fibrillar Î²â€amyloid plaque components significantly impact the Î²â€amyloid PET signal. Alzheimer's and Dementia, 2021, 17, .	0.4	1
25	Impaired Retromer Function in Niemann-Pick Type C Disease Is Dependent on Intracellular Cholesterol Accumulation. International Journal of Molecular Sciences, 2021, 22, 13256.	1.8	9
26	Degradome of soluble ADAM10 and ADAM17 metalloproteases. Cellular and Molecular Life Sciences, 2020, 77, 331-350.	2.4	46
27	Lack of Sez6 Family Proteins Impairs Motor Functions, Short-Term Memory, and Cognitive Flexibility and Alters Dendritic Spine Properties. Cerebral Cortex, 2020, 30, 2167-2184.	1.6	29
28	Mouse brain proteomics establishes MDGA1 and CACHD1 as in vivo substrates of the Alzheimer protease BACE1. FASEB Journal, 2020, 34, 2465-2482.	0.2	16
29	Oligodendrocyte myelin glycoprotein as a novel target for pathogenic autoimmunity in the CNS. Acta Neuropathologica Communications, 2020, 8, 207.	2.4	11
30	Basic Fibroblast Growth Factor 2-Induced Proteome Changes Endorse Lewy Body Pathology in Hippocampal Neurons. IScience, 2020, 23, 101349.	1.9	4
31	To cut or not to cut: New rules for proteolytic shedding of membrane proteins. Journal of Biological Chemistry, 2020, 295, 12353-12355.	1.6	6
32	The substrate repertoire of Î³-secretase/presenilin. Seminars in Cell and Developmental Biology, 2020, 105, 27-42.	2.3	115
33	The tetraspanin Tspan15 is an essential subunit of an ADAM10 scissor complex. Journal of Biological Chemistry, 2020, 295, 12822-12839.	1.6	31
34	ADAM17 stabilizes its interacting partner inactive Rhomboid 2 (iRhom2) but not inactive Rhomboid 1 (iRhom1). Journal of Biological Chemistry, 2020, 295, 4350-4358.	1.6	12
35	Seizure protein 6 controls glycosylation and trafficking of kainate receptor subunits GluK2 andÂGluK3. EMBO Journal, 2020, 39, e103457.	3.5	20
36	An optimized quantitative proteomics method establishes the cell typeâ€resolved mouse brain secretome. EMBO Journal, 2020, 39, e105693.	3.5	51

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37	Fibrillar Aî² triggers microglial proteome alterations and dysfunction in Alzheimer mouse models. ELife, 2020, 9, .	2.8	80
38	Iron-mediated aggregation and toxicity in a novel neuronal cell culture model with inducible alpha-synuclein expression. Scientific Reports, 2019, 9, 9100.	1.6	8
39	Tau deletion reduces plaqueâ€associated <scp>BACE</scp> 1 accumulation and decelerates plaque formation in a mouse model of Alzheimer's disease. EMBO Journal, 2019, 38, e102345.	3.5	24
40	Discovery of a series of selective and cell permeable beta-secretase (BACE1) inhibitors by fragment linking with the assistance of STD-NMR. Bioorganic Chemistry, 2019, 92, 103253.	2.0	8
41	Functions of â€˜A disintegrin and metalloproteases (ADAMs)â€™ in the mammalian nervous system. Cellular and Molecular Life Sciences, 2019, 76, 3055-3081.	2.4	82
42	Nr <scp>CAM</scp> is a marker for substrateâ€selective activation of <scp>ADAM</scp> 10 in Alzheimer's disease. EMBO Molecular Medicine, 2019, 11, .	3.3	38
43	Cell Type-Specific Human APP Transgene Expression by Hippocampal Interneurons in the Tg2576 Mouse Model of Alzheimerâ€™s Disease. Frontiers in Neuroscience, 2019, 13, 137.	1.4	3
44	Signal peptide peptidaseâ€like 2c impairs vesicular transport and cleaves SNARE proteins. EMBO Reports, 2019, 20, .	2.0	22
45	The intramembrane protease <scp>SPPL</scp> 2c promotes male germ cell development by cleavingÂphospholamban. EMBO Reports, 2019, 20, .	2.0	27
46	Pathology-linked protease caught in action. Science, 2019, 363, 690-691.	6.0	0
47	P4â€544: DEEP PROTEOME ANALYSIS IN CEREBROSPINAL FLUID OF MOUSE MODELS FOR NEURODEGENERATIVE DISEASES SUGGESTS A PANEL OF NOVEL BIOMARKERS RELATED TO MICROGLIA ACTIVATION. Alzheimer's and Dementia, 2019, 15, P1524.	0.4	0
48	QUINT: Workflow for Quantification and Spatial Analysis of Features in Histological Images From Rodent Brain. Frontiers in Neuroinformatics, 2019, 13, 75.	1.3	51
49	Loss of TREM2 function increases amyloid seeding but reduces plaque-associated ApoE. Nature Neuroscience, 2019, 22, 191-204.	7.1	358
50	Defined astrocytic expression of human amyloid precursor protein in Tg2576 mouse brain. Glia, 2019, 67, 393-403.	2.5	12
51	Fibril-induced glutamine-/asparagine-rich prions recruit stress granule proteins in mammalian cells. Life Science Alliance, 2019, 2, e201800280.	1.3	7
52	Nonâ€cellâ€autonomous function of DR6 in Schwann cell proliferation. EMBO Journal, 2018, 37, .	3.5	14
53	CADASIL brain vessels show a HTRA1 loss-of-function profile. Acta Neuropathologica, 2018, 136, 111-125.	3.9	54
54	Click Chemistry-mediated Biotinylation Reveals a Function for the Protease BACE1 in Modulating the Neuronal Surface Glycoproteome. Molecular and Cellular Proteomics, 2018, 17, 1487-1501.	2.5	33

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55	Beta-Site Amyloid Precursor Protein Cleaving Enzyme 1 Inhibition Impairs Synaptic Plasticity via Seizure Protein 6. Biological Psychiatry, 2018, 83, 428-437.	0.7	80
56	A Novel Chimeric Oncolytic Virus Vector for Improved Safety and Efficacy as a Platform for the Treatment of Hepatocellular Carcinoma. Journal of Virology, 2018, 92, .	1.5	41
57	Increased TIMP-3 expression alters the cellular secretome through dual inhibition of the metalloprotease ADAM10 and ligand-binding of the LRP-1 receptor. Scientific Reports, 2018, 8, 14697.	1.6	23
58	Prion Replication in the Mammalian Cytosol: Functional Regions within a Prion Domain Driving Induction, Propagation, and Inheritance. Molecular and Cellular Biology, 2018, 38, .	1.1	19
59	Proteolytic ectodomain shedding of membrane proteins in mammalsâ€”hardware, concepts, and recent developments. EMBO Journal, 2018, 37, .	3.5	211
60	Shedding of BAFF/APRIL Receptors Controls B Cells. Trends in Immunology, 2018, 39, 673-676.	2.9	36
61	The metalloprotease ADAM10 (a disintegrin and metalloprotease 10) undergoes rapid, postlysis autocatalytic degradation. FASEB Journal, 2018, 32, 3560-3573.	0.2	26
62	Immunohistochemical Evidence from APP-Transgenic Mice for Glutaminyl Cyclase as Drug Target to Diminish pE-Abeta Formation. Molecules, 2018, 23, 924.	1.7	14
63	BACE1-cleavage of Sez6 and Sez6L is elevated in Niemann-Pick type C disease mouse brains. PLoS ONE, 2018, 13, e0200344.	1.1	13
64	BACE1 Inhibitor MK-8931 Alters Formation but Not Stability of Dendritic Spines. Frontiers in Aging Neuroscience, 2018, 10, 229.	1.7	27
65	BACE2 distribution in major brain cell types and identification of novel substrates. Life Science Alliance, 2018, 1, e201800026.	1.3	46
66	<scp>PERK</scp> activation mitigates tau pathology inÂvitro and inÂvivo. EMBO Molecular Medicine, 2017, 9, 371-384.	3.3	93
67	An optimised version of the secretome protein enrichment with click sugars (SPECS) method leads to enhanced coverage of the secretome. Proteomics, 2017, 17, 1600423.	1.3	12
68	An Alzheimerâ€associated TREM2 variant occurs at the <scp>ADAM</scp> cleavage site and affects shedding and phagocytic function. EMBO Molecular Medicine, 2017, 9, 1356-1365.	3.3	164
69	Dissecting the interaction between tissue inhibitor of metalloproteinases-3 (TIMP-3) and low density lipoprotein receptor-related protein-1 (LRP-1): Development of a â€œTRAPâ€•to increase levels of TIMP-3 in the tissue. Matrix Biology, 2017, 59, 69-79.	1.5	23
70	Seizure-6 proteins highlight BACE1 functions in neurobiology. Oncotarget, 2017, 8, 7214-7215.	0.8	2
71	Proteomic Substrate Identification for Membrane Proteases in the Brain. Frontiers in Molecular Neuroscience, 2016, 9, 96.	1.4	26
72	Seizure protein 6 and its homolog seizure 6-like protein are physiological substrates of BACE1 in neurons. Molecular Neurodegeneration, 2016, 11, 67.	4.4	90

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73	ECâ€01â€04: Physiological Substrates of Bace1 and Adam10: Safety Issues or Biomarkers?. Alzheimer's and Dementia, 2016, 12, P162.	0.4	0
74	Functions of the Alzheimerâ€™s Disease Protease BACE1 at the Synapse in the Central Nervous System. Journal of Molecular Neuroscience, 2016, 60, 305-315.	1.1	48
75	Differential transgene expression patterns in Alzheimer mouse models revealed by novel human amyloid precursor proteinâ€specific antibodies. Aging Cell, 2016, 15, 953-963.	3.0	22
76	Sirtuin 2 Inhibition Improves Cognitive Performance and Acts on Amyloid-Î² Protein Precursor Processing in Two Alzheimerâ€™s Disease Mouse Models. Journal of Alzheimer's Disease, 2016, 53, 1193-1207.	1.2	61
77	Generation and deposition of AÎ²43 by the virtually inactive presenilinâ€1 L435F mutant contradicts the presenilin lossâ€ofâ€function hypothesis of Alzheimer's disease. EMBO Molecular Medicine, 2016, 8, 458-465.	3.3	60
78	Generation of aggregation prone N-terminally truncated amyloid Î² peptides by meprin Î² depends on the sequence specificity at the cleavage site. Molecular Neurodegeneration, 2016, 11, 19.	4.4	65
79	BACE1 Physiological Functions May Limit Its Use as Therapeutic Target for Alzheimer's Disease. Trends in Neurosciences, 2016, 39, 158-169.	4.2	142
80	MT5-MMP is a new pro-amyloidogenic proteinase that promotes amyloid pathology and cognitive decline in a transgenic mouse model of Alzheimerâ€™s disease. Cellular and Molecular Life Sciences, 2016, 73, 217-236.	2.4	96
81	MT5-MMP Promotes Alzheimerâ€™s Pathogenesis in the Frontal Cortex of 5xFAD Mice and APP Trafficking in vitro. Frontiers in Molecular Neuroscience, 2016, 9, 163.	1.4	34
82	Systematic substrate identification indicates a central role for the metalloprotease ADAM10 in axon targeting and synapse function. ELife, 2016, 5, .	2.8	124
83	Î³-secretase directly sheds the survival receptor BCMA from plasma cells. Nature Communications, 2015, 6, 7333.	5.8	267
84	Cdc42-dependent actin dynamics controls maturation and secretory activity of dendritic cells. Journal of Cell Biology, 2015, 211, 553-567.	2.3	40
85	The Immunoregulator Soluble TACI Is Released by ADAM10 and Reflects B Cell Activation in Autoimmunity. Journal of Immunology, 2015, 194, 542-552.	0.4	99
86	Dietary (â˜)-epicatechin as a potent inhibitor of Î²Î³-secretase amyloid precursor protein processing. Neurobiology of Aging, 2015, 36, 178-187.	1.5	76
87	Secretome Analysis Identifies Novel Signal Peptide Peptidase-Like 3 (SPPL3) Substrates and Reveals a Role of SPPL3 in Multiple Golgi Glycosylation Pathways*. Molecular and Cellular Proteomics, 2015, 14, 1584-1598.	2.5	74
88	iRhoms in the brain â€“ a new frontier?. Cell Cycle, 2015, 14, 3003-3004.	1.3	10
89	The alpha secretase ADAM10: A metalloprotease with multiple functions in the brain. Progress in Neurobiology, 2015, 135, 1-20.	2.8	190
90	Label-free Quantitative Proteomics of Mouse Cerebrospinal Fluid Detects Î²-Site APP Cleaving Enzyme (BACE1) Protease Substrates In Vivo. Molecular and Cellular Proteomics, 2015, 14, 2550-2563.	2.5	70

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91	Control of Homeostasis and Dendritic Cell Survival by the GTPase RhoA. Journal of Immunology, 2015, 195, 4244-4256.	0.4	5
92	Cdc42-dependent actin dynamics controls maturation and secretory activity of dendritic cells. Journal of Experimental Medicine, 2015, 212, 21212OIA102.	4.2	0
93	Function, therapeutic potential and cell biology of <scp>BACE</scp> proteases: current status and future prospects. Journal of Neurochemistry, 2014, 130, 4-28.	2.1	269
94	Nardilysin prevents amyloid plaque formation by enhancing Î±-secretase activity in an Alzheimer's disease mouse model. Neurobiology of Aging, 2014, 35, 213-222.	1.5	27
95	Shedding of glycanâ€modifying enzymes by signal peptide peptidaseâ€like 3 (<scp>SPPL</scp>3) regulates cellular Nâ€glycosylation. EMBO Journal, 2014, 33, 2890-2905.	3.5	81
96	Soluble BCMA is shed from B cells by gamma-secretase, functions as APRIL-specific decoy and reflects intrathecal Ig-production in multiple sclerosis. Journal of Neuroimmunology, 2014, 275, 65.	1.1	0
97	ADAM10 releases the immunoregulator soluble TACI â€" A novel biomarker for B-cell pathologies. Journal of Neuroimmunology, 2014, 275, 5-6.	1.1	0
98	Constitutive Î±- and Î²-secretase cleavages of the amyloid precursor protein are partially coupled in neurons, but not in frequently used cell lines. Neurobiology of Disease, 2013, 49, 137-147.	2.1	58
99	5-HT₄ Receptors Constitutively Promote the Non-Amyloidogenic Pathway of APP Cleavage and Interact with ADAM10. ACS Chemical Neuroscience, 2013, 4, 130-140.	1.7	72
100	Chronic 5-HT4 receptor activation decreases AÎ² production and deposition in hAPP/PS1 mice. Neurobiology of Aging, 2013, 34, 1779-1789.	1.5	44
101	The E3 Ligase Parkin Maintains Mitochondrial Integrity by Increasing Linear Ubiquitination of NEMO. Molecular Cell, 2013, 49, 908-921.	4.5	183
102	Labelâ€free quantitative analysis of the membrane proteome of <scp>B</scp>ace1 protease knockâ€out zebrafish brains. Proteomics, 2013, 13, 1519-1527.	1.3	26
103	Loss of ALS-associated TDP-43 in zebrafish causes muscle degeneration, vascular dysfunction, and reduced motor neuron axon outgrowth. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4986-4991.	3.3	126
104	Dual Cleavage of Neuregulin 1 Type III by BACE1 and ADAM17 Liberates Its EGF-Like Domain and Allows Paracrine Signaling. Journal of Neuroscience, 2013, 33, 7856-7869.	1.7	104
105	QARIP: a web server for quantitative proteomic analysis of regulated intramembrane proteolysis. Nucleic Acids Research, 2013, 41, W459-W464.	6.5	20
106	The FTLD risk factor TMEM106B and MAP6 control dendritic trafficking of lysosomes. EMBO Journal, 2013, 33, n/a-n/a.	3.5	122
107	Important functional role of residue x of the presenilin Gx<scp>GD</scp> protease active site motif for <scp>APP</scp> substrate cleavage specificity and substrate selectivity of Î³â€secretase. Journal of Neurochemistry, 2013, 125, 144-156.	2.1	18
108	Cell-to-cell propagation of infectious cytosolic protein aggregates. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5951-5956.	3.3	45

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109	A New Sandwich Immunoassay for Detection of the Î±-Secretase Cleaved, Soluble Amyloid-Î² Protein Precursor in Cerebrospinal Fluid and Serum. Journal of Alzheimer's Disease, 2013, 37, 667-678.	1.2	9
110	Regulated Intramembrane Proteolysis and Degradation of Murine Epithelial Cell Adhesion Molecule mEpCAM. PLoS ONE, 2013, 8, e71836.	1.1	26
111	iRHOM2 takes control of rheumatoid arthritis. Journal of Clinical Investigation, 2013, 123, 560-2.	3.9	13
112	Alpha-Secretase Cleavage of the Amyloid Precursor Protein: Proteolysis Regulated by Signaling Pathways and Protein Trafficking. Current Alzheimer Research, 2012, 9, 165-177.	0.7	61
113	Sheddase Gets Guidance. Science, 2012, 335, 179-180.	6.0	12
114	Loss of PAFAH1B2 Reduces Amyloid-Î² Generation by Promoting the Degradation of Amyloid Precursor Protein C-Terminal Fragments. Journal of Neuroscience, 2012, 32, 18204-18214.	1.7	23
115	Foamy Virus Envelope Protein Is a Substrate for Signal Peptide Peptidase-like 3 (SPPL3). Journal of Biological Chemistry, 2012, 287, 43401-43409.	1.6	38
116	Computational identification and experimental validation of microRNAs binding to the Alzheimer-related gene ADAM10. BMC Medical Genetics, 2012, 13, 35.	2.1	73
117	The Membrane-Bound Aspartyl Protease BACE1: Molecular and Functional Properties in Alzheimerâ€™s Disease and Beyond. Frontiers in Physiology, 2012, 3, 8.	1.3	69
118	Secretome protein enrichment identifies physiological BACE1 protease substrates in neurons. EMBO Journal, 2012, 31, 3157-3168.	3.5	279
119	ADAM9 Inhibition Increases Membrane Activity of ADAM10 and Controls Î±-Secretase Processing of Amyloid Precursor Protein. Journal of Biological Chemistry, 2011, 286, 40443-40451.	1.6	54
120	Bioinformatics Identification of Modules of Transcription Factor Binding Sites in Alzheimer's Disease-Related Genes by In Silico Promoter Analysis and Microarrays. International Journal of Alzheimer's Disease, 2011, 2011, 1-13.	1.1	18
121	ADAM10: potential â€˜molecular scissorsâ€™ for the treatment of Alzheimerâ€™s disease. Future Neurology, 2011, 6, 1-4.	0.9	0
122	Specific amino acids in the BAR domain allow homodimerization and prevent heterodimerization of sorting nexin 33. Biochemical Journal, 2011, 433, 75-83.	1.7	23
123	Alpha-secretase in Alzheimerâ€™s disease: molecular identity, regulation and therapeutic potential. Journal of Neurochemistry, 2011, 116, 10-21.	2.1	169
124	Regulated intramembrane proteolysis - lessons from amyloid precursor protein processing. Journal of Neurochemistry, 2011, 117, 779-796.	2.1	213
125	Determination of the Proteolytic Cleavage Sites of the Amyloid Precursor-Like Protein 2 by the Proteases ADAM10, BACE1 and Î³-Secretase. PLoS ONE, 2011, 6, e21337.	1.1	41
126	ADAM10 is the physiologically relevant, constitutive Î±-secretase of the amyloid precursor protein in primary neurons. EMBO Journal, 2010, 29, 3020-3032.	3.5	515

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127	Transmembrane Protein 147 (TMEM147) Is a Novel Component of the Nicalin-NOMO Protein Complex. Journal of Biological Chemistry, 2010, 285, 26174-26181.	1.6	37
128	Bepridil and Amiodarone Simultaneously Target the Alzheimer's Disease Â- and Â-Secretase via Distinct Mechanisms. Journal of Neuroscience, 2010, 30, 8974-8983.	1.7	51
129	The Novel Membrane Protein TMEM59 Modulates Complex Glycosylation, Cell Surface Expression, and Secretion of the Amyloid Precursor Protein. Journal of Biological Chemistry, 2010, 285, 20664-20674.	1.6	68
130	Niemannâ€“Pick type C cells show cholesterol dependent decrease of APP expression at the cell surface and its increased processing through the Î²-secretase pathway. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 682-691.	1.8	30
131	Expression of the Anti-amyloidogenic Secretase ADAM10 Is Suppressed by Its 5â€²-Untranslated Region. Journal of Biological Chemistry, 2010, 285, 15753-15760.	1.6	38
132	Nonsteroidal Anti-Inflammatory Drugs and Ectodomain Shedding of the Amyloid Precursor Protein. Neurodegenerative Diseases, 2009, 6, 1-8.	0.8	7
133	The Novel Sorting Nexin SNX33 Interferes with Cellular PrP^{Sc} Formation by Modulation of PrP^c Shedding. Traffic, 2008, 9, 1116-1129.	1.3	29
134	Phosphorylation of the Translation Initiation Factor eIF2Î± Increases BACE1 Levels and Promotes Amyloidogenesis. Neuron, 2008, 60, 988-1009.	3.8	383
135	A Novel Sorting Nexin Modulates Endocytic Trafficking and Î±-Secretase Cleavage of the Amyloid Precursor Protein. Journal of Biological Chemistry, 2008, 283, 14257-14268.	1.6	74
136	Large-Scale Screens for cDNAs with in vivo Activity. Novartis Foundation Symposium, 2008, , 219-230.	1.2	2
137	Regulated Intramembrane Proteolysis of the Interleukin-1 Receptor II by Î±-, Î²-, and Î³-Secretase. Journal of Biological Chemistry, 2007, 282, 11982-11995.	1.6	128
138	Expression cloning screen for modifiers of amyloid precursor protein shedding. International Journal of Developmental Neuroscience, 2006, 24, 141-148.	0.7	22
139	Transcriptional and translational regulation of BACE1 expressionâ€”Implications for Alzheimer's disease. Progress in Neurobiology, 2006, 79, 95-111.	2.8	177
140	SPPL2a and SPPL2b promote intramembrane proteolysis of TNFÎ± in activated dendritic cells to trigger IL-12 production. Nature Cell Biology, 2006, 8, 843-848.	4.6	175
141	Ectodomain Shedding of the Amyloid Precursor Protein: Cellular Control Mechanisms and Novel Modifiers. Neurodegenerative Diseases, 2006, 3, 262-269.	0.8	28
142	Identification of candidate substrates for ectodomain shedding by the metalloprotease-disintegrin ADAM8. Biological Chemistry, 2006, 387, 337-46.	1.2	74
143	Amyloid Precursor-like Protein 1 Influences Endocytosis and Proteolytic Processing of the Amyloid Precursor Protein. Journal of Biological Chemistry, 2006, 281, 7583-7594.	1.6	42
144	GGA1 Acts as a Spatial Switch Altering Amyloid Precursor Protein Trafficking and Processing. Journal of Neuroscience, 2006, 26, 9913-9922.	1.7	56

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145	Dimerization of Î²-Site Î²-Amyloid Precursor Protein-cleaving Enzyme. Journal of Biological Chemistry, 2004, 279, 53205-53212.	1.6	103
146	Expression of the Alzheimer protease BACE1 is suppressed via its 5'â€untranslated region. EMBO Reports, 2004, 5, 620-625.	2.0	105
147	Amyloid at the cutting edge: activation of Î±-secretase prevents amyloidogenesis in an Alzheimer disease mouse model. Journal of Clinical Investigation, 2004, 113, 1384-1387.	3.9	69
148	No alterations of hippocampal neuronal number and synaptic bouton number in a transgenic mouse model expressing the Î²-cleaved C-terminal APP fragment. Neurobiology of Disease, 2003, 12, 110-120.	2.1	37
149	The Transmembrane Domain of the Amyloid Precursor Protein in Microsomal Membranes Is on Both Sides Shorter than Predicted. Journal of Biological Chemistry, 2003, 278, 6803-6808.	1.6	45
150	The Cell Adhesion Protein P-selectin Glycoprotein Ligand-1 Is a Substrate for the Aspartyl Protease BACE1. Journal of Biological Chemistry, 2003, 278, 48713-48719.	1.6	230
151	Î³-Secretase Cleavage Site Specificity Differs for Intracellular and Secretory Amyloid Î². Journal of Biological Chemistry, 2003, 278, 13077-13085.	1.6	35
152	The intramembrane cleavage site of the amyloid precursor protein depends on the length of its transmembrane domain. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1365-1370.	3.3	71
153	A novel substrate for analyzing Alzheimer's disease Î³-secretase. FEBS Letters, 1999, 453, 288-292.	1.3	47
154	Mutations in the Transmembrane Domain of APP Altering Î³-Secretase Specificityâ€. Biochemistry, 1997, 36, 15396-15403.	1.2	102
155	Intracellular and Secreted AÎ²42/40 Ratios Are Differently Influenced by APP Mutations. , 0, , 479-486.		0