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	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
2	Phosphorylation of the Translation Initiation Factor eIF2Î± Increases BACE1 Levels and Promotes Amyloidogenesis. Neuron, 2008, 60, 988-1009.	3.8	383
3	Loss of TREM2 function increases amyloid seeding but reduces plaque-associated ApoE. Nature Neuroscience, 2019, 22, 191-204.	7.1	358
4	Secretome protein enrichment identifies physiological BACE1 protease substrates in neurons. EMBO Journal, 2012, 31, 3157-3168.	3.5	279
5	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
6	Î³-secretase directly sheds the survival receptor BCMA from plasma cells. Nature Communications, 2015, 6, 7333.	5.8	267
7	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
8	Regulated intramembrane proteolysis - lessons from amyloid precursor protein processing. Journal of Neurochemistry, 2011, 117, 779-796.	2.1	213
9	Proteolytic ectodomain shedding of membrane proteins in mammalsâ€”hardware, concepts, and recent developments. EMBO Journal, 2018, 37, .	3.5	211
10	The alpha secretase ADAM10: A metalloprotease with multiple functions in the brain. Progress in Neurobiology, 2015, 135, 1-20.	2.8	190
11	The E3 Ligase Parkin Maintains Mitochondrial Integrity by Increasing Linear Ubiquitination of NEMO. Molecular Cell, 2013, 49, 908-921.	4.5	183
12	Transcriptional and translational regulation of BACE1 expressionâ€”Implications for Alzheimer's disease. Progress in Neurobiology, 2006, 79, 95-111.	2.8	177
13	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
14	Alpha-secretase in Alzheimerâ€™s disease: molecular identity, regulation and therapeutic potential. Journal of Neurochemistry, 2011, 116, 10-21.	2.1	169
15	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
16	BACE1 Physiological Functions May Limit Its Use as Therapeutic Target for Alzheimer's Disease. Trends in Neurosciences, 2016, 39, 158-169.	4.2	142
17	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
18	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

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19	Systematic substrate identification indicates a central role for the metalloprotease ADAM10 in axon targeting and synapse function. ELife, 2016, 5, .	2.8	124
20	The FTLD risk factor TMEM106B and MAP6 control dendritic trafficking of lysosomes. EMBO Journal, 2013, 33, n/a-n/a.	3.5	122
21	The substrate repertoire of Î³-secretase/presenilin. Seminars in Cell and Developmental Biology, 2020, 105, 27-42.	2.3	115
22	Expression of the Alzheimer protease BACE1 is suppressed via its 5'â€untranslated region. EMBO Reports, 2004, 5, 620-625.	2.0	105
23	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
24	Dimerization of Î²-Site Î²-Amyloid Precursor Protein-cleaving Enzyme. Journal of Biological Chemistry, 2004, 279, 53205-53212.	1.6	103
25	Mutations in the Transmembrane Domain of APP Altering Î³-Secretase Specificityâ€. Biochemistry, 1997, 36, 15396-15403.	1.2	102
26	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
27	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
28	<scp>PERK</scp> activation mitigates tau pathology inÂvitro and inÂvivo. EMBO Molecular Medicine, 2017, 9, 371-384.	3.3	93
29	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
30	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
31	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
32	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
33	Fibrillar AÎ² triggers microglial proteome alterations and dysfunction in Alzheimer mouse models. ELife, 2020, 9, .	2.8	80
34	Dietary (â˜)-epicatechin as a potent inhibitor of Î²Î³-secretase amyloid precursor protein processing. Neurobiology of Aging, 2015, 36, 178-187.	1.5	76
35	Identification of candidate substrates for ectodomain shedding by the metalloprotease-disintegrin ADAM8. Biological Chemistry, 2006, 387, 337-46.	1.2	74
36	A Novel Sorting Nexin Modulates Endocytic Trafficking and Îµ-Secretase Cleavage of the Amyloid Precursor Protein. Journal of Biological Chemistry, 2008, 283, 14257-14268.	1.6	74

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37	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
38	Computational identification and experimental validation of microRNAs binding to the Alzheimer-related gene ADAM10. BMC Medical Genetics, 2012, 13, 35.	2.1	73
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	The case for low-level BACE1 inhibition for the prevention of Alzheimer disease. Nature Reviews Neurology, 2021, 17, 703-714.	4.9	65
47	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
48	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
49	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
50	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
51	Loss of NPC1 enhances phagocytic uptake and impairs lipid trafficking in microglia. Nature Communications, 2021, 12, 1158.	5.8	58
52	ADAM10 and ADAM17 promote SARSâ€CoVâ€2 cell entry and spike proteinâ€mediated lung cell fusion. EMBO Reports, 2022, 23, e54305.	2.0	57
53	GGA1 Acts as a Spatial Switch Altering Amyloid Precursor Protein Trafficking and Processing. Journal of Neuroscience, 2006, 26, 9913-9922.	1.7	56
54	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

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55	CADASIL brain vessels show a HTRA1 loss-of-function profile. Acta Neuropathologica, 2018, 136, 111-125.	3.9	54
56	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
57	QUINT: Workflow for Quantification and Spatial Analysis of Features in Histological Images From Rodent Brain. Frontiers in Neuroinformatics, 2019, 13, 75.	1.3	51
58	An optimized quantitative proteomics method establishes the cell typeâ€resolved mouse brain secretome. EMBO Journal, 2020, 39, e105693.	3.5	51
59	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
60	A novel substrate for analyzing Alzheimer's disease Î³-secretase. FEBS Letters, 1999, 453, 288-292.	1.3	47
61	Degradome of soluble ADAM10 and ADAM17 metalloproteases. Cellular and Molecular Life Sciences, 2020, 77, 331-350.	2.4	46
62	BACE2 distribution in major brain cell types and identification of novel substrates. Life Science Alliance, 2018, 1, e201800026.	1.3	46
63	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
64	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
65	Chronic 5-HT4 receptor activation decreases AÎ² production and deposition in hAPP/PS1 mice. Neurobiology of Aging, 2013, 34, 1779-1789.	1.5	44
66	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
67	Highly efficient intercellular spreading of protein misfolding mediated by viral ligand-receptor interactions. Nature Communications, 2021, 12, 5739.	5.8	42
68	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
69	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
70	Cdc42-dependent actin dynamics controls maturation and secretory activity of dendritic cells. Journal of Cell Biology, 2015, 211, 553-567.	2.3	40
71	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
72	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

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73	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
74	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
75	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
76	Shedding of BAFF/APRIL Receptors Controls B Cells. Trends in Immunology, 2018, 39, 673-676.	2.9	36
77	Î³-Secretase Cleavage Site Specificity Differs for Intracellular and Secretory Amyloid Î². Journal of Biological Chemistry, 2003, 278, 13077-13085.	1.6	35
78	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
79	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
80	The tetraspanin Tspan15 is an essential subunit of an ADAM10 scissor complex. Journal of Biological Chemistry, 2020, 295, 12822-12839.	1.6	31
81	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
82	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
83	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
84	Ectodomain Shedding of the Amyloid Precursor Protein: Cellular Control Mechanisms and Novel Modifiers. Neurodegenerative Diseases, 2006, 3, 262-269.	0.8	28
85	Secretases in Alzheimer's disease: Novel insights into proteolysis of APP and TREM2. Current Opinion in Neurobiology, 2022, 72, 101-110.	2.0	28
86	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
87	BACE1 Inhibitor MK-8931 Alters Formation but Not Stability of Dendritic Spines. Frontiers in Aging Neuroscience, 2018, 10, 229.	1.7	27
88	The intramembrane protease <scp>SPPL</scp> 2c promotes male germ cell development by cleavingÂphospholamban. EMBO Reports, 2019, 20, .	2.0	27
89	Features of MOG required for recognition by patients with MOG antibody-associated disorders. Brain, 2021, 144, 2375-2389.	3.7	27
90	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

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91	Regulated Intramembrane Proteolysis and Degradation of Murine Epithelial Cell Adhesion Molecule mEpCAM. PLoS ONE, 2013, 8, e71836.	1.1	26
92	Proteomic Substrate Identification for Membrane Proteases in the Brain. Frontiers in Molecular Neuroscience, 2016, 9, 96.	1.4	26
93	The metalloprotease ADAM10 (a disintegrin and metalloprotease 10) undergoes rapid, postlysis autocatalytic degradation. FASEB Journal, 2018, 32, 3560-3573.	0.2	26
94	Amyloid-Beta Mediates Homeostatic Synaptic Plasticity. Journal of Neuroscience, 2021, 41, 5157-5172.	1.7	26
95	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
96	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
97	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
98	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
99	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
100	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
101	Expression cloning screen for modifiers of amyloid precursor protein shedding. International Journal of Developmental Neuroscience, 2006, 24, 141-148.	0.7	22
102	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
103	Signal peptide peptidaseâ€like 2c impairs vesicular transport and cleaves SNARE proteins. EMBO Reports, 2019, 20, .	2.0	22
104	QARIP: a web server for quantitative proteomic analysis of regulated intramembrane proteolysis. Nucleic Acids Research, 2013, 41, W459-W464.	6.5	20
105	Seizure protein 6 controls glycosylation and trafficking of kainate receptor subunits GluK2 andÂGluK3. EMBO Journal, 2020, 39, e103457.	3.5	20
106	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
107	OAS1/RNase L executes RIG-I ligandâ€“dependent tumor cell apoptosis. Science Immunology, 2021, 6, .	5.6	19
108	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

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109	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
110	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
111	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
112	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
113	Nonâ€cellâ€autonomous function of DR6 in Schwann cell proliferation. EMBO Journal, 2018, 37, .	3.5	14
114	Immunohistochemical Evidence from APP-Transgenic Mice for Glutaminyl Cyclase as Drug Target to Diminish pE-Abeta Formation. Molecules, 2018, 23, 924.	1.7	14
115	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
116	BACE1-cleavage of Sez6 and Sez6L is elevated in Niemann-Pick type C disease mouse brains. PLoS ONE, 2018, 13, e0200344.	1.1	13
117	iRHOM2 takes control of rheumatoid arthritis. Journal of Clinical Investigation, 2013, 123, 560-2.	3.9	13
118	Sheddase Gets Guidance. Science, 2012, 335, 179-180.	6.0	12
119	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
120	Defined astrocytic expression of human amyloid precursor protein in Tg2576 mouse brain. Glia, 2019, 67, 393-403.	2.5	12
121	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
122	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
123	Oligodendrocyte myelin glycoprotein as a novel target for pathogenic autoimmunity in the CNS. Acta Neuropathologica Communications, 2020, 8, 207.	2.4	11
124	Proteomic and lipidomic profiling of demyelinating lesions identifies fatty acids as modulators in lesion recovery. Cell Reports, 2021, 37, 109898.	2.9	11
125	iRhoms in the brain â€“ a new frontier?. Cell Cycle, 2015, 14, 3003-3004.	1.3	10
126	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

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127	Neuronal Differentiation of LUHMES Cells Induces Substantial Changes of the Proteome. Proteomics, 2021, 21, e2000174.	1.3	9
128	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
129	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
130	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
131	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
132	Nonsteroidal Anti-Inflammatory Drugs and Ectodomain Shedding of the Amyloid Precursor Protein. Neurodegenerative Diseases, 2009, 6, 1-8.	0.8	7
133	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
134	Fibril-induced glutamine-/asparagine-rich prions recruit stress granule proteins in mammalian cells. Life Science Alliance, 2019, 2, e201800280.	1.3	7
135	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
136	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
137	Control of Homeostasis and Dendritic Cell Survival by the GTPase RhoA. Journal of Immunology, 2015, 195, 4244-4256.	0.4	5
138	The pseudoprotease iRhom1 controls ectodomain shedding of membrane proteins in the nervous system. FASEB Journal, 2021, 35, e21962.	0.2	5
139	LncRNA RUS shapes the gene expression program towards neurogenesis. Life Science Alliance, 2022, 5, e202201504.	1.3	5
140	Basic Fibroblast Growth Factor 2-Induced Proteome Changes Endorse Lewy Body Pathology in Hippocampal Neurons. IScience, 2020, 23, 101349.	1.9	4
141	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
142	The Î²-Secretase Substrate Seizure 6â€“Like Protein (SEZ6L) Controls Motor Functions in Mice. Molecular Neurobiology, 2022, 59, 1183-1198.	1.9	3
143	Large-Scale Screens for cDNAs with in vivo Activity. Novartis Foundation Symposium, 2008, , 219-230.	1.2	2
144	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

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145	Seizure-6 proteins highlight BACE1 functions in neurobiology. Oncotarget, 2017, 8, 7214-7215.	0.8	2
146	Quantitative Proteomics Reveals That ADAM15 Can Have Proteolytic-Independent Functions in the Steady State. Membranes, 2022, 12, 578.	1.4	2
147	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
148	Intracellular and Secreted AÎ²42/40 Ratios Are Differently Influenced by APP Mutations. , 0, , 479-486.		0
149	ADAM10: potential â€˜molecular scissorsâ€™ for the treatment of Alzheimerâ€™s disease. Future Neurology, 2011, 6, 1-4.	0.9	0
150	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
151	ADAM10 releases the immunoregulator soluble TACI â€" A novel biomarker for B-cell pathologies. Journal of Neuroimmunology, 2014, 275, 5-6.	1.1	0
152	ECâ€01â€04: Physiological Substrates of Bace1 and Adam10: Safety Issues or Biomarkers?. Alzheimer's and Dementia, 2016, 12, P162.	0.4	0
153	Pathology-linked protease caught in action. Science, 2019, 363, 690-691.	6.0	0
154	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
155	Cdc42-dependent actin dynamics controls maturation and secretory activity of dendritic cells. Journal of Experimental Medicine, 2015, 212, 21212OIA102.	4.2	0