

# Takaomi C Saido

## List of Publications by Year in descending order

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382  
papers

32,668  
citations

3531

90  
h-index

5829

161  
g-index

427  
all docs

427  
docs citations

427  
times ranked

28595  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synapse Loss and Microglial Activation Precede Tangles in a P301S Tauopathy Mouse Model. <i>Neuron</i> , 2007, 53, 337-351.	8.1	1,696
2	Age-Dependent Changes in Brain, CSF, and Plasma Amyloid $\beta$ Protein in the Tg2576 Transgenic Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2001, 21, 372-381.	3.6	961
3	Metabolic Regulation of Brain $A\beta$ by Nprilysin. <i>Science</i> , 2001, 292, 1550-1552.	12.6	906
4	Single App knock-in mouse models of Alzheimer's disease. <i>Nature Neuroscience</i> , 2014, 17, 661-663.	14.8	846
5	Identification of the major $A\beta$ 42-degrading catabolic pathway in brain parenchyma: Suppression leads to biochemical and pathological deposition. <i>Nature Medicine</i> , 2000, 6, 143-150.	30.7	817
6	Imaging of Tau Pathology in a Tauopathy Mouse Model and in Alzheimer Patients Compared to Normal Controls. <i>Neuron</i> , 2013, 79, 1094-1108.	8.1	673
7	Dominant and differential deposition of distinct $\beta$ -amyloid peptide species, $A\beta$ N3(pE), in senile plaques. <i>Neuron</i> , 1995, 14, 457-466.	8.1	554
8	<scp>APP</scp> mouse models for Alzheimer's disease preclinical studies. <i>EMBO Journal</i> , 2017, 36, 2473-2487.	7.8	530
9	The Major Risk Factors for Alzheimer's Disease: Age, Sex, and Genes Modulate the Microglia Response to $A\beta$ Plaques. <i>Cell Reports</i> , 2019, 27, 1293-1306.e6.	6.4	527
10	ScaleS: an optical clearing palette for biological imaging. <i>Nature Neuroscience</i> , 2015, 18, 1518-1529.	14.8	511
11	Proteolysis of Fodrin (Non-erythroid Spectrin) during Apoptosis. <i>Journal of Biological Chemistry</i> , 1995, 270, 6425-6428.	3.4	491
12	Spatial Transcriptomics and In Situ Sequencing to Study Alzheimer's Disease. <i>Cell</i> , 2020, 182, 976-991.e19.	28.9	491
13	The E280A presenilin 1 Alzheimer mutation produces increased $A\beta$ 42 deposition and severe cerebellar pathology. <i>Nature Medicine</i> , 1996, 2, 1146-1150.	30.7	489
14	Amyloid $\beta$ oligomers constrict human capillaries in Alzheimer's disease via signaling to pericytes. <i>Science</i> , 2019, 365, .	12.6	436
15	$A\beta$ Secretion and Plaque Formation Depend on Autophagy. <i>Cell Reports</i> , 2013, 5, 61-69.	6.4	386
16	Reply to: 'Clearance of amyloid $\beta$ -peptide from brain: transport or metabolism?'. <i>Nature Medicine</i> , 2000, 6, 718-719.	30.7	379
17	Longer Forms of Amyloid $\beta$ Protein: Implications for the Mechanism of Intramembrane Cleavage by $\beta$ -Secretase. <i>Journal of Neuroscience</i> , 2005, 25, 436-445.	3.6	365
18	19F and 1H MRI detection of amyloid $\beta$ plaques in vivo. <i>Nature Neuroscience</i> , 2005, 8, 527-533.	14.8	341

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19	Somatostatin regulates brain amyloid $\hat{1}^2$ peptide $\hat{A}^{1242}$ through modulation of proteolytic degradation. <i>Nature Medicine</i> , 2005, 11, 434-439.	30.7	335
20	Proteolytic Degradation of Amyloid $\hat{A}$ -Protein. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012, 2, a006379-a006379.	6.2	293
21	Neprilysin Degrades Both Amyloid $\hat{1}^2$ Peptides $1\hat{A}^{40}$ and $1\hat{A}^{42}$ Most Rapidly and Efficiently among Thiorphan- and Phosphoramidon-sensitive Endopeptidases. <i>Journal of Biological Chemistry</i> , 2001, 276, 21895-21901.	3.4	282
22	Longitudinal, Quantitative Assessment of Amyloid, Neuroinflammation, and Anti-Amyloid Treatment in a Living Mouse Model of Alzheimer's Disease Enabled by Positron Emission Tomography. <i>Journal of Neuroscience</i> , 2007, 27, 10957-10968.	3.6	275
23	Amino- and carboxyl-terminal heterogeneity of $\hat{1}^2$ -amyloid peptides deposited in human brain. <i>Neuroscience Letters</i> , 1996, 215, 173-176.	2.1	260
24	Activation of Calpain I Converts Excitotoxic Neuron Death into a Caspase-independent Cell Death. <i>Journal of Biological Chemistry</i> , 2000, 275, 17064-17071.	3.4	245
25	Potent amyloidogenicity and pathogenicity of $\hat{A}^{243}$ . <i>Nature Neuroscience</i> , 2011, 14, 1023-1032.	14.8	245
26	Females exhibit more extensive amyloid, but not tau, pathology in an Alzheimer transgenic model. <i>Brain Research</i> , 2008, 1216, 92-103.	2.2	239
27	Intraneuronal $\hat{A}^{242}$ accumulation in Down syndrome brain. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2002, 9, 88-102.	3.0	237
28	Neuropathology and biochemistry of $\hat{A}^{12}$ and its aggregates in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2015, 129, 167-182.	7.7	224
29	Age-Related Amyloid $\hat{1}^2$ Deposition in Transgenic Mice Overexpressing Both Alzheimer Mutant Presenilin 1 and Amyloid $\hat{1}^2$ Precursor Protein Swedish Mutant Is Not Associated with Global Neuronal Loss. <i>American Journal of Pathology</i> , 2000, 157, 331-339.	3.8	222
30	Presynaptic Localization of Neprilysin Contributes to Efficient Clearance of Amyloid- $\hat{1}^2$ Peptide in Mouse Brain. <i>Journal of Neuroscience</i> , 2004, 24, 991-998.	3.6	222
31	Calpain research for drug discovery: challenges and potential. <i>Nature Reviews Drug Discovery</i> , 2016, 15, 854-876.	46.4	216
32	Alzheimer's-Causing Mutations Shift $\hat{A}^{12}$ Length by Destabilizing $\hat{1}^3$ -Secretase- $\hat{A}^{12}$ Interactions. <i>Cell</i> , 2017, 170, 443-456.e14.	28.9	199
33	Metabolism of amyloid- $\hat{1}^2$ peptide and Alzheimer's disease. , 2005, 108, 129-148.		189
34	The potential role of amyloid $\hat{A}$ in the pathogenesis of age-related macular degeneration. <i>Journal of Clinical Investigation</i> , 2005, 115, 2793-2800.	8.2	186
35	Amyloid $\hat{1}^2$ Protein Starting Pyroglutamate at Position 3 Is a Major Component of the Amyloid Deposits in the Alzheimer's Disease Brain. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 422-427.	2.1	183
36	Region-specific reduction of $\hat{A}$ -degrading endopeptidase, neprilysin, in mouse hippocampus upon aging. <i>Journal of Neuroscience Research</i> , 2002, 70, 493-500.	2.9	183

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37	New era of calpain research. FEBS Letters, 1994, 343, 1-5.	2.8	175
38	$\beta$ -Amyloid Is Different in Normal Aging and in Alzheimer Disease. Journal of Biological Chemistry, 2005, 280, 34186-34192.	3.4	175
39	Berberine alters the processing of Alzheimer's amyloid precursor protein to decrease $A\beta$ secretion. Biochemical and Biophysical Research Communications, 2007, 352, 498-502.	2.1	172
40	Microglial gene signature reveals loss of homeostatic microglia associated with neurodegeneration of Alzheimer's disease. Acta Neuropathologica Communications, 2021, 9, 1.	5.2	172
41	Calpain Mediates Excitotoxic DNA Fragmentation via Mitochondrial Pathways in Adult Brains. Journal of Biological Chemistry, 2005, 280, 16175-16184.	3.4	168
42	Transient Brain Ischaemia Provokes $Ca^{2+}$ , PIP2 and Calpain Responses Prior to Delayed Neuronal Death in Monkeys. European Journal of Neuroscience, 1996, 8, 1932-1944.	2.6	165
43	Reperfusion of Rat Heart After Brief Ischemia Induces Proteolysis of Calspectin (Nonerythroid) Tj ETQq1 1 0.784314 rBT / Overlock 10 T	4.5	159
44	Neuronal Store-Operated Calcium Entry and Mushroom Spine Loss in Amyloid Precursor Protein Knock-In Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2015, 35, 13275-13286.	3.6	158
45	Cognitive deficits in single App knock-in mouse models. Neurobiology of Learning and Memory, 2016, 135, 73-82.	1.9	158
46	Anti- $A\beta$ Drug Screening Platform Using Human iPS Cell-Derived Neurons for the Treatment of Alzheimer's Disease. PLoS ONE, 2011, 6, e25788.	2.5	156
47	Dual roles for autophagy: Degradation and secretion of Alzheimer's disease $A\beta$ peptide. BioEssays, 2014, 36, 570-578.	2.5	156
48	Nepriylsin-sensitive Synapse-associated Amyloid- $\beta$ Peptide Oligomers Impair Neuronal Plasticity and Cognitive Function*. Journal of Biological Chemistry, 2006, 281, 17941-17951.	3.4	153
49	Distinct Mechanistic Roles of Calpain and Caspase Activation in Neurodegeneration as Revealed in Mice Overexpressing Their Specific Inhibitors. Journal of Biological Chemistry, 2005, 280, 15229-15237.	3.4	152
50	Calpain Cleavage of the Cytoplasmic Domain of the Integrin $\beta$ 2 Subunit. Journal of Biological Chemistry, 1995, 270, 26146-26151.	3.4	150
51	An aberrant sugar modification of BACE1 blocks its lysosomal targeting in Alzheimer's disease. EMBO Molecular Medicine, 2015, 7, 175-189.	6.9	147
52	Functional Defects of a Muscle-specific Calpain, p94, Caused by Mutations Associated with Limb-Girdle Muscular Dystrophy Type 2A. Journal of Biological Chemistry, 1998, 273, 17073-17078.	3.4	142
53	$A\beta$ -degrading endopeptidase, neprilysin, in mouse brain: synaptic and axonal localization inversely correlating with $A\beta$ pathology. Neuroscience Research, 2002, 43, 39-56.	1.9	141
54	Dutch, Flemish, Italian, and Arctic mutations of APP and resistance of $A\beta$ to physiologically relevant proteolytic degradation. Lancet, The, 2003, 361, 1957-1958.	13.7	140

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55	The novel $\beta$ -secretase inhibitor KMI-429 reduces amyloid $\beta$ peptide production in amyloid precursor protein transgenic and wild-type mice. <i>Journal of Neurochemistry</i> , 2006, 96, 533-540.	3.9	140
56	Autolytic Transition of $\beta$ -Calpain upon Activation as Resolved by Antibodies Distinguishing between the Pre- and Post-Autolysis Forms. <i>Journal of Biochemistry</i> , 1992, 111, 81-86.	1.7	139
57	A role for calpain-dependent cleavage of TDP-43 in amyotrophic lateral sclerosis pathology. <i>Nature Communications</i> , 2012, 3, 1307.	12.8	139
58	Comparative profiling of cortical gene expression in Alzheimer's disease patients and mouse models demonstrates a link between amyloidosis and neuroinflammation. <i>Scientific Reports</i> , 2017, 7, 17762.	3.3	138
59	Versatile whole-organ/body staining and imaging based on electrolyte-gel properties of biological tissues. <i>Nature Communications</i> , 2020, 11, 1982.	12.8	134
60	Oxidized neprilysin in aging and Alzheimer's disease brains. <i>Biochemical and Biophysical Research Communications</i> , 2003, 310, 236-241.	2.1	132
61	Structural and functional diversities of a family of signal transducing protein kinases, protein kinase C family; two distinct classes of PKC, conventional cPKC and novel nPKC. <i>Advances in Enzyme Regulation</i> , 1991, 31, 287-303.	2.6	128
62	Truncated Carboxyl-Terminal Fragments of $\beta$ -Amyloid Precursor Protein Are Processed to Amyloid $\beta$ -Proteins 40 and 42. <i>Biochemistry</i> , 2004, 43, 13532-13540.	2.5	127
63	Cleavage of Bax is mediated by caspase-dependent or -independent calpain activation in dopaminergic neuronal cells: protective role of Bcl-2. <i>Journal of Neurochemistry</i> , 2001, 77, 1531-1541.	3.9	126
64	Altered CpG methylation in sporadic Alzheimer's disease is associated with APP and MAPT dysregulation. <i>Human Molecular Genetics</i> , 2014, 23, 648-656.	2.9	126
65	<i>In Vivo</i> Positron Emission Tomographic Imaging of Glial Responses to Amyloid- $\beta$ and Tau Pathologies in Mouse Models of Alzheimer's Disease and Related Disorders. <i>Journal of Neuroscience</i> , 2011, 31, 4720-4730.	3.6	123
66	Transmission of amyloid- $\beta$ protein pathology from cadaveric pituitary growth hormone. <i>Nature</i> , 2018, 564, 415-419.	27.8	122
67	Sustained calpain activation associated with lysosomal rupture executes necrosis of the postischemic CA1 neurons in primates. <i>Hippocampus</i> , 2003, 13, 791-800.	1.9	119
68	The involvement of calpain-independent proteolysis of the tumor suppressor NF2 (merlin) in schwannomas and meningiomas. <i>Nature Medicine</i> , 1998, 4, 915-922.	30.7	116
69	<i>Uncaria rhynchophylla</i> , a Chinese medicinal herb, has potent antiaggregation effects on Alzheimer's $\beta$ -amyloid proteins. <i>Journal of Neuroscience Research</i> , 2006, 84, 427-433.	2.9	114
70	Humanization of the entire murine Mapt gene provides a murine model of pathological human tau propagation. <i>Journal of Biological Chemistry</i> , 2019, 294, 12754-12765.	3.4	114
71	SIRT3 mediates hippocampal synaptic adaptations to intermittent fasting and ameliorates deficits in APP mutant mice. <i>Nature Communications</i> , 2019, 10, 1886.	12.8	114
72	HMGBl, a pathogenic molecule that induces neurite degeneration via TLR4-MARCKS, is a potential therapeutic target for Alzheimer's disease. <i>Scientific Reports</i> , 2016, 6, 31895.	3.3	111

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73	Modulation of Cellular Signals by Calpain. <i>Annals of the New York Academy of Sciences</i> , 1992, 674, 218-227.	3.8	110
74	Heterogeneity of water-soluble amyloid $\beta$ -peptide in Alzheimer's disease and Down's syndrome brains. <i>FEBS Letters</i> , 1997, 409, 411-416.	2.8	110
75	Diffuse plaques associated with astroglial amyloid $\beta$ protein, possibly showing a disappearing stage of senile plaques. <i>Acta Neuropathologica</i> , 1998, 95, 217-222.	7.7	109
76	Calpain Mediates Integrin-induced Signaling at a Point Upstream of Rho Family Members. <i>Journal of Biological Chemistry</i> , 1999, 274, 21265-21275.	3.4	107
77	Membrane-anchored metalloprotease MDC9 has an $\beta$ -secretase activity responsible for processing the amyloid precursor protein. <i>Biochemical Journal</i> , 1999, 343, 371.	3.7	107
78	Age-dependent axonal degeneration in an Alzheimer mouse model. <i>Neurobiology of Aging</i> , 2007, 28, 1689-1699.	3.1	107
79	Critical review: involvement of endoplasmic reticulum stress in the aetiology of Alzheimer's disease. <i>Open Biology</i> , 2018, 8, 180024.	3.6	106
80	Proteolysis of spectrin by calpain accompanies theta-burst stimulation in cultured hippocampal slices. <i>Molecular Brain Research</i> , 1995, 32, 25-35.	2.3	105
81	C Terminus of Presenilin 1s Required for Overproduction of Amyloidogenic $\beta$ 42 through Stabilization and Endoproteolysis of Presenilin. <i>Journal of Neuroscience</i> , 1999, 19, 10627-10634.	3.6	104
82	Structure and properties of a ubiquitously expressed protein kinase C, nPKCdelta. <i>FEBS Journal</i> , 1991, 202, 931-940.	0.2	103
83	Calpastatin 1s Up-regulated in Response to Hypoxia and Is a Suicide Substrate to Calpain after Neonatal Cerebral Hypoxia-Ischemia. <i>Journal of Biological Chemistry</i> , 1999, 274, 14046-14052.	3.4	103
84	Pyroglutamate-3 Amyloid- $\beta$ Deposition in the Brains of Humans, Non-Human Primates, Canines, and Alzheimer Disease-Like Transgenic Mouse Models. <i>American Journal of Pathology</i> , 2013, 183, 369-381.	3.8	102
85	Evidence That $\beta$ 3 Integrin-Induced Rac Activation Involves the Calpain-Dependent Formation of Integrin Clusters That Are Distinct from the Focal Complexes and Focal Adhesions That Form as Rac and RhoA Become Active. <i>Journal of Cell Biology</i> , 2000, 151, 685-696.	5.2	100
86	Amyloidogenic Processing of Amyloid Precursor Protein: Evidence of a Pivotal Role of Glutaminyl Cyclase in Generation of Pyroglutamate-Modified Amyloid- $\beta$ . <i>Biochemistry</i> , 2008, 47, 7405-7413.	2.5	100
87	Characterization of $\beta$ 2,6-Sialyltransferase Cleavage by Alzheimer's $\beta$ -Secretase (BACE1). <i>Journal of Biological Chemistry</i> , 2003, 278, 14865-14871.	3.4	99
88	Calpain Activation in Alzheimer's Model Mice Is an Artifact of APP and Presenilin Overexpression. <i>Journal of Neuroscience</i> , 2016, 36, 9933-9936.	3.6	98
89	Nrf2 Suppresses Oxidative Stress and Inflammation in <i>App</i> Knock-In Alzheimer's Disease Model Mice. <i>Molecular and Cellular Biology</i> , 2020, 40, .	2.3	98
90	A traditional medicinal herb <i>Paeonia suffruticosa</i> and its active constituent 1,2,3,4,6-penta-O-galloyl- $\beta$ -D-glucopyranose have potent anti-aggregation effects on Alzheimer's amyloid $\beta$ proteins <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Neurochemistry</i> , 2009, 109, 1648-1657.	3.9	97

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91	Overexpression of the calpain-specific inhibitor calpastatin reduces human alpha-Synuclein processing, aggregation and synaptic impairment in [A30P]±Syn transgenic mice. <i>Human Molecular Genetics</i> , 2014, 23, 3975-3989.	2.9	97
92	Plaque associated microglia hyper-secrete extracellular vesicles and accelerate tau propagation in a humanized APP mouse model. <i>Molecular Neurodegeneration</i> , 2021, 16, 18.	10.8	97
93	Occurrence of the diffuse amyloid ?-protein (A?) deposits with numerous A?-containing glial cells in the cerebral cortex of patients with Alzheimer's disease. <i>Glia</i> , 1999, 25, 324-331.	4.9	96
94	The crucial role of caspase-9 in the disease progression of a transgenic ALS mouse model. <i>EMBO Journal</i> , 2003, 22, 6665-6674.	7.8	96
95	The Tottori (D7N) and English (H6R) Familial Alzheimer Disease Mutations Accelerate A $\beta$ Fibril Formation without Increasing Protofibril Formation. <i>Journal of Biological Chemistry</i> , 2007, 282, 4916-4923.	3.4	96
96	Metabolism of amyloid $\beta$ peptide and pathogenesis of Alzheimer's disease. <i>Neuroscience Research</i> , 2006, 54, 235-253.	1.9	93
97	Brain Endothelial Cells Produce Amyloid $\beta$ from Amyloid Precursor Protein 770 and Preferentially Secrete the O-Glycosylated Form. <i>Journal of Biological Chemistry</i> , 2010, 285, 40097-40103.	3.4	93
98	N-terminal Heterogeneity of Parenchymal and Cerebrovascular A $\beta$ Deposits. <i>Journal of Neuropathology and Experimental Neurology</i> , 1998, 57, 76-94.	1.7	92
99	Depletion of Vitamin E Increases Amyloid $\beta$ Accumulation by Decreasing Its Clearances from Brain and Blood in a Mouse Model of Alzheimer Disease. <i>Journal of Biological Chemistry</i> , 2009, 284, 33400-33408.	3.4	91
100	Aberrant Excitatoryâ€“Inhibitory Synaptic Mechanisms in Entorhinal Cortex Microcircuits During the Pathogenesis of Alzheimerâ€™s Disease. <i>Cerebral Cortex</i> , 2019, 29, 1834-1850.	2.9	90
101	Interleukinâ€“1 $\beta$ upâ€“regulates TACE to enhance $\beta$ -cleavage of APP in neurons: resulting decrease in A $\beta$ production. <i>Journal of Neurochemistry</i> , 2008, 104, 1387-1393.	3.9	89
102	Cerebrospinal fluid neprilysin is reduced in prodromal Alzheimer's disease. <i>Annals of Neurology</i> , 2005, 57, 832-842.	5.3	86
103	BACE1 interacts with lipid raft proteins. <i>Journal of Neuroscience Research</i> , 2006, 84, 912-917.	2.9	86
104	Familial Alzheimerâ€™s Disease Mutations in Presenilin Generate Amyloidogenic A $\beta$ Peptide Seeds. <i>Neuron</i> , 2016, 90, 410-416.	8.1	86
105	$\beta$ -amyloid redirects norepinephrine signaling to activate the pathogenic GSK3 $\beta$ /tau cascade. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	86
106	Biochemical Identification of the Neutral Endopeptidase Family Member Responsible for the Catabolism of Amyloid A Peptide in the Brain. <i>Journal of Biochemistry</i> , 2000, 128, 897-902.	1.7	85
107	Purification and characterization of protein kinase C .epsilon. from rabbit brain. <i>Biochemistry</i> , 1992, 31, 482-490.	2.5	84
108	Matrix metalloproteinase (MMP) system in brain: identification and characterization of brainâ€“specific MMP highly expressed in cerebellum. <i>European Journal of Neuroscience</i> , 2001, 13, 935-948.	2.6	84



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109	Cytotoxic Fragment of Amyloid Precursor Protein Accumulates in Hippocampus after Global Forebrain Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996, 16, 1219-1223.	4.3	83
110	Global brain delivery of neprilysin gene by intravascular administration of AAV vector in mice. <i>Scientific Reports</i> , 2013, 3, 1472.	3.3	83
111	Signal Peptide Peptidase: Biochemical Properties and Modulation by Nonsteroidal Antiinflammatory Drugs. <i>Biochemistry</i> , 2006, 45, 8649-8656.	2.5	82
112	Mechanistic involvement of the calpain-calpastatin system in Alzheimer neuropathology. <i>FASEB Journal</i> , 2012, 26, 1204-1217.	0.5	82
113	Disrupted Place Cell Remapping and Impaired Grid Cells in a Knockin Model of Alzheimer's Disease. <i>Neuron</i> , 2020, 107, 1095-1112.e6.	8.1	82
114	Brain Trauma in Aged Transgenic Mice Induces Regression of Established A $\beta$ Deposits. <i>Experimental Neurology</i> , 2000, 163, 244-252.	4.1	81
115	Capillary cerebral amyloid angiopathy identifies a distinct APOE $\epsilon$ 4-associated subtype of sporadic Alzheimer's disease. <i>Acta Neuropathologica</i> , 2010, 120, 169-183.	7.7	81
116	Involvement of Calpain in Integrin-Mediated Signal Transduction. <i>Archives of Biochemistry and Biophysics</i> , 1996, 328, 129-134.	3.0	80
117	Fibrillar A $\beta$ triggers microglial proteome alterations and dysfunction in Alzheimer mouse models. <i>ELife</i> , 2020, 9, .	6.0	80
118	The Role of the Calpain-Calpastatin System in Thyrotropin-releasing Hormone-induced Selective Down-regulation of a Protein Kinase C Isozyme, nPKC $\mu$ , in Rat Pituitary GH4C1 Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 25115-25120.	3.4	79
119	Altered Function of Factor I Caused by Amyloid $\beta$ : Implication for Pathogenesis of Age-Related Macular Degeneration from Drusen. <i>Journal of Immunology</i> , 2008, 181, 712-720.	0.8	79
120	Neuroinflammation in mouse models of Alzheimer's disease. <i>Clinical and Experimental Neuroimmunology</i> , 2018, 9, 211-218.	1.0	77
121	N-terminal pyroglutamate formation of A $\beta$ 38 and A $\beta$ 40 enforces oligomer formation and potency to disrupt hippocampal long-term potentiation. <i>Journal of Neurochemistry</i> , 2012, 121, 774-784.	3.9	76
122	Fluoro-substituted and 13C-labeled styrylbenzene derivatives for detecting brain amyloid plaques. <i>European Journal of Medicinal Chemistry</i> , 2004, 39, 573-578.	5.5	75
123	Loss of M5 muscarinic acetylcholine receptors leads to cerebrovascular and neuronal abnormalities and cognitive deficits in mice. <i>Neurobiology of Disease</i> , 2006, 24, 334-344.	4.4	75
124	Istradefylline reduces memory deficits in aging mice with amyloid pathology. <i>Neurobiology of Disease</i> , 2018, 110, 29-36.	4.4	75
125	Molecular Dissection of Domains in Mutant Presenilin 2 That Mediate Overproduction of Amyloidogenic Forms of Amyloid $\beta$ Peptides. <i>Journal of Biological Chemistry</i> , 1998, 273, 21153-21160.	3.4	74
126	Inhibition of glutaminy cyclase alters pyroglutamate formation in mammalian cells. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 1618-1625.	2.3	73



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127	An immunoaffinity-based method for isolating ultrapure adult astrocytes based on ATP1B2 targeting by the ACSA-2 antibody. <i>Journal of Biological Chemistry</i> , 2017, 292, 8874-8891.	3.4	73
128	Neuron-specific methylome analysis reveals epigenetic regulation and tau-related dysfunction of BRCA1 in Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9645-E9654.	7.1	72
129	Quantification of Modified Amyloid $\beta$ Peptides in Alzheimer Disease and Down Syndrome Brains. <i>Journal of Neuropathology and Experimental Neurology</i> , 1998, 57, 1089-1095.	1.7	71
130	KMI-358 and KMI-370, highly potent and small-sized BACE1 inhibitors containing phenylnorstatine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 1527-1531.	2.2	70
131	Calpain-mediated ataxin-3 cleavage in the molecular pathogenesis of spinocerebellar ataxia type 3 (SCA3). <i>Human Molecular Genetics</i> , 2013, 22, 508-518.	2.9	70
132	New Mouse Model of Alzheimer's. <i>ACS Chemical Neuroscience</i> , 2014, 5, 499-502.	3.5	70
133	Autophagy-Related Protein 7 Deficiency in Amyloid $\beta$ (A $\beta$ ) Precursor Protein Transgenic Mice Decreases A $\beta$ in the Multivesicular Bodies and Induces A $\beta$ Accumulation in the Golgi. <i>American Journal of Pathology</i> , 2015, 185, 305-313.	3.8	70
134	Tetraspanin 6: a pivotal protein of the multiple vesicular body determining exosome release and lysosomal degradation of amyloid precursor protein fragments. <i>Molecular Neurodegeneration</i> , 2017, 12, 25.	10.8	70
135	A Novel Phosphatidylserine-binding Peptide Motif Defined by an Anti-idiotypic Monoclonal Antibody. <i>Journal of Biological Chemistry</i> , 1995, 270, 29075-29078.	3.4	69
136	UCN-01, an anti-tumor drug, is a selective inhibitor of the conventional PKC subfamily. <i>FEBS Letters</i> , 1995, 359, 259-261.	2.8	69
137	Sialylation enhances the secretion of neurotoxic amyloid-beta peptides. <i>Journal of Neurochemistry</i> , 2006, 96, 924-933.	3.9	69
138	Efhc1 deficiency causes spontaneous myoclonus and increased seizure susceptibility. <i>Human Molecular Genetics</i> , 2009, 18, 1099-1109.	2.9	68
139	Understanding molecular mechanisms of proteolysis in Alzheimer's disease: Progress toward therapeutic interventions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005, 1751, 60-67.	2.3	66
140	Specific Increase in Amyloid $\beta$ -Protein 42 Secretion Ratio by Calpain Inhibition. <i>Biochemistry</i> , 1997, 36, 8377-8383.	2.5	65
141	Proteolytic Activation of Protein Kinase C $\delta$ and $\mu$ by Caspase-3 in U937 Cells During Chemotherapeutic Agent-Induced Apoptosis. <i>Cellular Signalling</i> , 1999, 11, 831-838.	3.6	65
142	Suppression of Calpain-dependent Cleavage of the CDK5 Activator p35 to p25 by Site-specific Phosphorylation. <i>Journal of Biological Chemistry</i> , 2007, 282, 1687-1694.	3.4	65
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