

Taisuke Tomita

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2430556/publications.pdf>

Version: 2024-02-01

180
papers

14,624
citations

24978

57
h-index

20307

116
g-index

217
all docs

217
docs citations

217
times ranked

13813
citing authors

#	ARTICLE	IF	CITATIONS
1	Presenilin Is Essential for ApoE Secretion, a Novel Role of Presenilin Involved in Alzheimer's Disease Pathogenesis. <i>Journal of Neuroscience</i> , 2022, 42, 1574-1586.	1.7	8
2	Specific Mutations in Aph1 Cause β -Secretase Activation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 507.	1.8	5
3	Lipid flippase dysfunction as a therapeutic target for endosomal anomalies in Alzheimer's disease. <i>IScience</i> , 2022, 25, 103869.	1.9	7
4	Detection of Substrate Phosphorylation of in Tissues and Cultured Cells. <i>Methods in Molecular Biology</i> , 2021, 2322, 53-61.	0.4	1
5	Flexible and Accurate Substrate Processing with Distinct Presenilin/ β -Secretases in Human Cortical Neurons. <i>ENeuro</i> , 2021, 8, ENEURO.0500-20.2021.	0.9	10
6	Seeded assembly <i>in vitro</i> does not replicate the structures of α -synuclein filaments from multiple system atrophy. <i>FEBS Open Bio</i> , 2021, 11, 999-1013.	1.0	95
7	Catalytic photooxygenation degrades brain $A\beta$ in vivo. <i>Science Advances</i> , 2021, 7, .	4.7	42
8	Human tauopathy-derived tau strains determine the substrates recruited for templated amplification. <i>Brain</i> , 2021, 144, 2333-2348.	3.7	17
9	Photo-oxygenation by a biocompatible catalyst reduces amyloid- β levels in Alzheimer's disease mice. <i>Brain</i> , 2021, 144, 1884-1897.	3.7	28
10	Sequential conformational changes in transmembrane domains of presenilin 1 in $A\beta$ 42 downregulation. <i>Journal of Biochemistry</i> , 2021, 170, 215-227.	0.9	2
11	Dietary cis-9, trans-11-conjugated linoleic acid reduces amyloid β -protein accumulation and upregulates anti-inflammatory cytokines in an Alzheimer's disease mouse model. <i>Scientific Reports</i> , 2021, 11, 9749.	1.6	9
12	BORCS6 is involved in the enlargement of lung lamellar bodies in <i>Lrrk2</i> knockout mice. <i>Human Molecular Genetics</i> , 2021, 30, 1618-1631.	1.4	8
13	GPR120 Signaling Controls Amyloid- β Degrading Activity of Matrix Metalloproteinases. <i>Journal of Neuroscience</i> , 2021, 41, 6173-6185.	1.7	7
14	Suppression of amyloid- β secretion from neurons by <i>cis</i> - α -9, <i>trans</i> - α -11-octadecadienoic acid, an isomer of conjugated linoleic acid. <i>Journal of Neurochemistry</i> , 2021, 159, 603-617.	2.1	3
15	The Regulation of Rab GTPases by Phosphorylation. <i>Biomolecules</i> , 2021, 11, 1340.	1.8	15
16	Distinct Neurotoxic Effects of Extracellular Tau Species in Primary Neuronal-Glial Cultures. <i>Molecular Neurobiology</i> , 2021, 58, 658-667.	1.9	16
17	Photo-Oxygenation: An Innovative New Therapeutic Approach Against Amyloidoses. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1339, 415-422.	0.8	2
18	Peptide-based short single β -strand mimics without hydrogen bonding or aggregation. <i>Chemical Communications</i> , 2020, 56, 1573-1576.	2.2	9

#	ARTICLE	IF	CITATIONS
19	Histidine 131 in presenilin 1 is the pH-sensitive residue that causes the increase in A β 242 level in acidic pH. <i>Journal of Biochemistry</i> , 2020, 167, 463-471.	0.9	11
20	EphA4 regulates A β 2 production via BACE1 expression in neurons. <i>FASEB Journal</i> , 2020, 34, 16383-16396.	0.2	8
21	Autism-associated variants of neuroligin 4X impair synaptogenic activity by various molecular mechanisms. <i>Molecular Autism</i> , 2020, 11, 68.	2.6	3
22	Structures of τ -synuclein filaments from multiple system atrophy. <i>Nature</i> , 2020, 585, 464-469.	13.7	446
23	Structure-activity relationship of presenilin in γ -secretase-mediated intramembrane cleavage. <i>Seminars in Cell and Developmental Biology</i> , 2020, 105, 102-109.	2.3	9
24	Identification of calcium and integrin-binding protein 1 as a novel regulator of production of amyloid β 2 peptide using CRISPR/Cas9-based screening system. <i>FASEB Journal</i> , 2020, 34, 7661-7674.	0.2	14
25	CD2-associated protein (CD2AP) overexpression accelerates amyloid precursor protein (APP) transfer from early endosomes to the lysosomal degradation pathway. <i>Journal of Biological Chemistry</i> , 2019, 294, 10886-10899.	1.6	28
26	Photo-oxygenation inhibits tau amyloid formation. <i>Chemical Communications</i> , 2019, 55, 6165-6168.	2.2	26
27	NrCAM is a marker for substrate-selective activation of ADAM10 in Alzheimer's disease. <i>EMBO Molecular Medicine</i> , 2019, 11, .	3.3	38
28	Genetic Risk Factors for Alzheimer Disease: Emerging Roles of Microglia in Disease Pathomechanisms. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1118, 83-116.	0.8	34
29	Conformational Dynamics of Transmembrane Domain 3 of Presenilin 1 Is Associated with the Trimming Activity of γ -Secretase. <i>Journal of Neuroscience</i> , 2019, 39, 8600-8610.	1.7	9
30	Specific mutations in presenilin 1 cause conformational changes in γ -secretase to modulate amyloid β 2 trimming. <i>Journal of Biochemistry</i> , 2019, 165, 37-46.	0.9	11
31	Drug development against dementia based on understanding of molecular and cellular pathogenesis. <i>Drug Delivery System</i> , 2019, 34, 346-351.	0.0	0
32	High performance plasma amyloid- β 2 biomarkers for Alzheimer's disease. <i>Nature</i> , 2018, 554, 249-254.	13.7	1,180
33	Loss of kallikrein-related peptidase 7 exacerbates amyloid pathology in Alzheimer's disease model mice. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	39
34	Near-Infrared Photoactivatable Oxygenation Catalysts of Amyloid Peptide. <i>CheM</i> , 2018, 4, 807-820.	5.8	59
35	Physiological and pathological functions of LRRK2: implications from substrate proteins. <i>Neuronal Signaling</i> , 2018, 2, NS20180005.	1.7	15
36	AP180 N-Terminal Homology (ANTH) and Epsin N-Terminal Homology (ENTH) Domains: Physiological Functions and Involvement in Disease. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1111, 55-76.	0.8	6

#	ARTICLE	IF	CITATIONS
37	Retrograde transport of β -secretase from endosomes to the trans-Golgi network regulates $A\beta_{42}$ production. <i>Journal of Neurochemistry</i> , 2018, 147, 110-123.	2.1	10
38	Structural Analysis of Target Protein by Substituted Cysteine Accessibility Method. <i>Bio-protocol</i> , 2018, 8, e2470.	0.2	2
39	Aberrant proteolytic processing and therapeutic strategies in Alzheimer disease. <i>Advances in Biological Regulation</i> , 2017, 64, 33-38.	1.4	30
40	The crystal structure of mouse LC3B in complex with the FYCO1 LIR reveals the importance of the flanking region of the LIR motif. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 130-137.	0.4	31
41	Memantine reduces the production of amyloid- β peptides through modulation of amyloid precursor protein trafficking. <i>European Journal of Pharmacology</i> , 2017, 798, 16-25.	1.7	31
42	Dysregulated Metabolism of the Amyloid- β Protein and Therapeutic Approaches in Alzheimer Disease. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 4183-4190.	1.2	34
43	Two Novel Mutations in the First Transmembrane Domain of Presenilin1 Cause Young-Onset Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 58, 1035-1041.	1.2	15
44	Memantine inhibits β -amyloid aggregation and disassembles preformed β -amyloid aggregates. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 158-163.	1.0	22
45	Activation of β -Secretase Trimming Activity by Topological Changes of Transmembrane Domain 1 of Presenilin 1. <i>Journal of Neuroscience</i> , 2017, 37, 12272-12280.	1.7	27
46	Rab10 Phosphorylation Detection by LRRK2 Activity Using SDS-PAGE with a Phosphate-binding Tag. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	4
47	Molecular mechanisms of the genetic risk factors in pathogenesis of Alzheimer disease. <i>Frontiers in Bioscience - Landmark</i> , 2017, 22, 180-192.	3.0	14
48	Probing the Structure and Function Relationships of Presenilin by Substituted-Cysteine Accessibility Method. <i>Methods in Enzymology</i> , 2017, 584, 185-205.	0.4	10
49	Membrane trafficking and proteolytic activity of β -secretase in Alzheimer's disease. <i>Biological Chemistry</i> , 2016, 397, 827-835.	1.2	6
50	BIN1 regulates BACE1 intracellular trafficking and amyloid- β production. <i>Human Molecular Genetics</i> , 2016, 25, ddw146.	1.4	67
51	Partial loss of CALM function reduces $A\beta_{42}$ production and amyloid deposition <i>in vivo</i> . <i>Human Molecular Genetics</i> , 2016, 25, 3988-3997.	1.4	24
52	A novel non-canonical Notch signaling regulates expression of synaptic vesicle proteins in excitatory neurons. <i>Scientific Reports</i> , 2016, 6, 23969.	1.6	13
53	Cell-free methods to produce structurally intact mammalian membrane proteins. <i>Scientific Reports</i> , 2016, 6, 30442.	1.6	56
54	Retromer and Rab2-dependent trafficking mediate β -amyloid degradation by proteasomes in endocytic disturbance. <i>Journal of Neurochemistry</i> , 2016, 137, 647-658.	2.1	13

#	ARTICLE	IF	CITATIONS
55	Conformational Changes in Transmembrane Domain 4 of Presenilin 1 Are Associated with Altered Amyloid- β 42 Production. <i>Journal of Neuroscience</i> , 2016, 36, 1362-1372.	1.7	25
56	Suppressor Mutations for Presenilin 1 Familial Alzheimer Disease Mutants Modulate β -Secretase Activities. <i>Journal of Biological Chemistry</i> , 2016, 291, 435-446.	1.6	16
57	Rescue of Hypovitaminosis A Induces Non-Amyloidogenic Amyloid Precursor Protein (APP) Processing. <i>Current Alzheimer Research</i> , 2016, 13, 1277-1289.	0.7	20
58	P2-057: Pathophysiological impact of astrocyte-derived kallikrein-related peptidase 7 on $A\beta$ metabolism in brain. , 2015, 11, P504-P505.		0
59	Synthetic ceramide analogues increase amyloid- β 42 production by modulating β -secretase activity. <i>Biochemical and Biophysical Research Communications</i> , 2015, 457, 194-199.	1.0	24
60	Cooperative Roles of Hydrophilic Loop 1 and the C-Terminus of Presenilin 1 in the Substrate-Gating Mechanism of β -Secretase. <i>Journal of Neuroscience</i> , 2015, 35, 2646-2656.	1.7	48
61	Molecular mechanism of intramembrane proteolysis by β -secretase. <i>Journal of Biochemistry</i> , 2014, 156, 195-201.	0.9	56
62	Differentiation of CD11c ⁺ CX ₃ CR1 ⁺ cells in the small intestine requires Notch signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5986-5991.	3.3	25
63	Allosteric regulation of β -secretase activity by a phenylimidazole-type β -secretase modulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10544-10549.	3.3	72
64	Attenuation of the Aggregation and Neurotoxicity of Amyloid- β Peptides by Catalytic Photooxygenation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1382-1385.	7.2	111
65	Decreased CALM expression reduces $A\beta$ 42 to total $A\beta$ ratio through clathrin-mediated endocytosis of β -secretase. <i>Nature Communications</i> , 2014, 5, 3386.	5.8	78
66	Structural Interactions between Inhibitor and Substrate Docking Sites Give Insight into Mechanisms of Human PS1 Complexes. <i>Structure</i> , 2014, 22, 125-135.	1.6	56
67	Binding of longer $A\beta$ to transmembrane domain 1 of presenilin 1 impacts on $A\beta$ 42 generation. <i>Molecular Neurodegeneration</i> , 2014, 9, 7.	4.4	20
68	New photocleavable linker: β -Thioacetophenone-type linker. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2831-2833.	1.0	7
69	P3-026: CONFORMATIONAL CHANGES IN THE TRANSMEMBRANE DOMAINS 4 AND 5 OF PRESENILIN 1 ASSOCIATED WITH ALTERED ABETA42 PRODUCTION. , 2014, 10, P636-P637.		0
70	Experimental detection of proteolytic activity in a signal peptide peptidase of <i>Arabidopsis thaliana</i> . <i>BMC Biochemistry</i> , 2013, 14, 16.	4.4	7
71	Protein trafficking and maturation regulate intramembrane proteolysis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2855-2861.	1.4	22
72	Effect of Helical Conformation and Side Chain Structure on β -Secretase Inhibition by β -Peptide Foldamers: Insight into Substrate Recognition. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1443-1454.	2.9	24

#	ARTICLE	IF	CITATIONS
73	Inhibition of β -Secretase Activity by a Monoclonal Antibody against the Extracellular Hydrophilic Loop of Presenilin 1. <i>Biochemistry</i> , 2013, 52, 61-69.	1.2	14
74	Structural Biology of Presenilins and Signal Peptide Peptidases. <i>Journal of Biological Chemistry</i> , 2013, 288, 14673-14680.	1.6	50
75	β -Secretase Pharmacology: What Pharmacology Will Work for Alzheimer's Disease?. <i>International Journal of Alzheimer's Disease</i> , 2013, 2013, 1-2.	1.1	1
76	FTY720/Fingolimod, a Sphingosine Analogue, Reduces Amyloid- β Production in Neurons. <i>PLoS ONE</i> , 2013, 8, e64050.	1.1	75
77	Contribution of the β -Secretase Subunits to the Formation of Catalytic Pore of Presenilin 1 Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 25834-25843.	1.6	28
78	Activity-Dependent Proteolytic Cleavage of Neuroigin-1. <i>Neuron</i> , 2012, 76, 410-422.	3.8	179
79	Neutralization of the β -secretase activity by monoclonal antibody against extracellular domain of nicastrin. <i>Oncogene</i> , 2012, 31, 787-798.	2.6	65
80	Structure-function relationship of β -secretase. <i>Molecular Neurodegeneration</i> , 2012, 7, L5.	4.4	0
81	Selectivity to amyloid- β precursor protein cleavage provides hope against Alzheimer's. <i>Alzheimer's Research and Therapy</i> , 2011, 3, 7.	3.0	2
82	Imbalance of Clara cell-mediated homeostatic inflammation is involved in lung metastasis. <i>Oncogene</i> , 2011, 30, 3429-3439.	2.6	63
83	Comparison of Presenilin 1 and Presenilin 2 β -Secretase Activities Using a Yeast Reconstitution System. <i>Journal of Biological Chemistry</i> , 2011, 286, 44569-44575.	1.6	29
84	Three-dimensional Structure of the Signal Peptide Peptidase. <i>Journal of Biological Chemistry</i> , 2011, 286, 26188-26197.	1.6	21
85	BACE1 Activity Is Modulated by Cell-Associated Sphingosine-1-Phosphate. <i>Journal of Neuroscience</i> , 2011, 31, 6850-6857.	1.7	157
86	Phenylpiperidine-type β -secretase modulators target the transmembrane domain 1 of presenilin 1. <i>EMBO Journal</i> , 2011, 30, 4815-4824.	3.5	105
87	Efficient four-drug cocktail therapy targeting amyloid- β peptide for Alzheimer's disease. <i>Journal of Neuroscience Research</i> , 2010, 88, 3588-3597.	1.3	13
88	Novel Notch-sparing β -secretase inhibitors derived from a peroxisome proliferator-activated receptor agonist library. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5282-5285.	1.0	7
89	Participation of Transmembrane Domain 1 of Presenilin 1 in the Catalytic Pore Structure of the β -Secretase. <i>Journal of Neuroscience</i> , 2010, 30, 15943-15950.	1.7	56
90	Functional Analysis of the Transmembrane Domains of Presenilin 1. <i>Journal of Biological Chemistry</i> , 2010, 285, 19738-19746.	1.6	60

#	ARTICLE	IF	CITATIONS
91	A Noncompetitive BACE1 Inhibitor TAK-070 Ameliorates A β Pathology and Behavioral Deficits in a Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2010, 30, 11157-11166.	1.7	126
92	S-Palmitoylation of β -Secretase Subunits Nicastrin and APH-1. <i>Journal of Biological Chemistry</i> , 2009, 284, 1373-1384.	1.6	61
93	Single Chain Variable Fragment against Nicastrin Inhibits the β -Secretase Activity. <i>Journal of Biological Chemistry</i> , 2009, 284, 27838-27847.	1.6	19
94	Dual antitumor mechanisms of Notch signaling inhibitor in a T α cell acute lymphoblastic leukemia xenograft model. <i>Cancer Science</i> , 2009, 100, 2444-2450.	1.7	27
95	Development of photoaffinity probes for β -secretase equipped with a nitrobenzenesulfonamide-type cleavable linker. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 6869-6871.	1.0	9
96	Inhibition of β -Secretase Activity by Helical β -Peptide Foldamers. <i>Journal of the American Chemical Society</i> , 2009, 131, 7353-7359.	6.6	78
97	Secretase inhibitors and modulators for Alzheimer's disease treatment. <i>Expert Review of Neurotherapeutics</i> , 2009, 9, 661-679.	1.4	122
98	Both Notch1 and Notch2 contribute to the regulation of melanocyte homeostasis. <i>Pigment Cell and Melanoma Research</i> , 2008, 21, 70-78.	1.5	72
99	At the frontline of Alzheimer's disease treatment: β -secretase inhibitor/modulator mechanism. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008, 377, 295-300.	1.4	15
100	Mechanism of Ca ²⁺ Disruption in Alzheimer's Disease by Presenilin Regulation of InsP3 Receptor Channel Gating. <i>Neuron</i> , 2008, 58, 871-883.	3.8	426
101	Peptides inhibiting specific cleaving activities of presenilins. <i>Expert Opinion on Therapeutic Patents</i> , 2008, 18, 1097-1100.	2.4	0
102	Synthesis and biological activity of <i>N</i> -substituted spiro[benzoxazepine-piperidine] A β -peptide production inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 996-1001.	2.5	8
103	The C-Terminal PAL Motif and Transmembrane Domain 9 of Presenilin 1 Are Involved in the Formation of the Catalytic Pore of the β -Secretase. <i>Journal of Neuroscience</i> , 2008, 28, 6264-6271.	1.7	140
104	A β ₂₄₂ Overproduction Associated with Structural Changes in the Catalytic Pore of β -Secretase. <i>Journal of Biological Chemistry</i> , 2007, 282, 12388-12396.	1.6	65
105	Structure and function of β -secretase complex. <i>Neuroscience Research</i> , 2007, 58, S25.	1.0	0
106	Divergent Synthesis of Multifunctional Molecular Probes To Elucidate the Enzyme Specificity of Dipeptidic β -Secretase Inhibitors. <i>ACS Chemical Biology</i> , 2007, 2, 408-418.	1.6	87
107	Convenient Synthesis of Photoaffinity Probes and Evaluation of Their Labeling Abilities. <i>Organic Letters</i> , 2007, 9, 2055-2058.	2.4	25
108	The role of Notch signaling in synaptogenesis. <i>Neuroscience Research</i> , 2007, 58, S194.	1.0	0

#	ARTICLE	IF	CITATIONS
109	Notch1 Signaling Influences V2 Interneuron and Motor Neuron Development in the Spinal Cord. <i>Developmental Neuroscience</i> , 2006, 28, 102-117.	1.0	60
110	Naphthyl and Coumarinyl Biaryl piperazine Derivatives as Highly Potent Human β -Secretase Inhibitors. Design, Synthesis, and Enzymatic BACE-1 and Cell Assays. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 4275-4285.	2.9	60
111	A Faster Migrating Variant Masquerades as NICD When Performing in Vitro β -Secretase Assays with Bacterially Expressed Notch Substrates. <i>Biochemistry</i> , 2006, 45, 5351-5358.	1.2	2
112	C-terminal Fragment of Presenilin Is the Molecular Target of a Dipeptidic β -Secretase-specific Inhibitor DAPT (N-[N-(3,5-Difluorophenacetyl)-L-alanyl]-S-phenylglycine t-Butyl Ester). <i>Journal of Biological Chemistry</i> , 2006, 281, 14670-14676.	1.6	174
113	Three-dimensional structure of the β -secretase complex. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 525-534.	1.0	92
114	The intracellular domain of the amyloid precursor protein (AICD) enhances the p53-mediated apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 57-63.	1.0	72
115	AMPA Removal Underlies β -Induced Synaptic Depression and Dendritic Spine Loss. <i>Neuron</i> , 2006, 52, 831-843.	3.8	920
116	Presenilin-dependent intramembrane cleavage of ephrin-B1. <i>Molecular Neurodegeneration</i> , 2006, 1, 2.	4.4	70
117	Novel β -secretase inhibitors discovered by library screening of in-house synthetic natural product intermediates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 3813-3816.	1.0	20
118	Synthesis of biotinylated photoaffinity probes based on arylsulfonamide β -secretase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 4184-4189.	1.0	31
119	Concise and Short Synthesis of Functionalized 5,6-Dihydropyridin-2-ones by Means of Palladium(0)-Catalyzed Cross-Coupling of Ketene Amino Phosphates. <i>Heterocycles</i> , 2006, 70, 101.	0.4	16
120	Structure of the Catalytic Pore of β -Secretase Probed by the Accessibility of Substituted Cysteines. <i>Journal of Neuroscience</i> , 2006, 26, 12081-12088.	1.7	147
121	β -Secretase as a Therapeutic Target for Treatment of Alzheimers Disease. <i>Current Pharmaceutical Design</i> , 2006, 12, 661-670.	0.9	34
122	Association of active β -secretase complex with lipid rafts. <i>Journal of Lipid Research</i> , 2005, 46, 904-912.	2.0	127
123	Pen-2 Is Incorporated into the β -Secretase Complex through Binding to Transmembrane Domain 4 of Presenilin 1*. <i>Journal of Biological Chemistry</i> , 2005, 280, 41967-41975.	1.6	101
124	Presenilin 2 regulates the systolic function of heart by modulating Ca ²⁺ signaling. <i>FASEB Journal</i> , 2005, 19, 2069-2071.	0.2	44
125	Aph-1 Contributes to the Stabilization and Trafficking of the β -Secretase Complex through Mechanisms Involving Intermolecular and Intramolecular Interactions. <i>Journal of Biological Chemistry</i> , 2005, 280, 12967-12975.	1.6	79
126	Biochemical Characterization of the Drosophila Wingless Signaling Pathway Based on RNA Interference. <i>Molecular and Cellular Biology</i> , 2004, 24, 2012-2024.	1.1	52

#	ARTICLE	IF	CITATIONS
127	Selective Reconstitution and Recovery of Functional β -Secretase Complex on Budded Baculovirus Particles. <i>Journal of Biological Chemistry</i> , 2004, 279, 38040-38046.	1.6	77
128	Targeted introduction of V642I mutation in amyloid precursor protein gene causes functional abnormality resembling early stage of Alzheimer's disease in aged mice. <i>European Journal of Neuroscience</i> , 2004, 19, 2826-2838.	1.2	58
129	Highly Efficient Synthesis of Medium-Sized Lactams via Intramolecular Staudinger-aza-Wittig Reaction of β -Azido Pentafluorophenyl Ester: Synthesis and Biological Evaluation of LY411575 Analogues. <i>ChemInform</i> , 2004, 35, no.	0.1	0
130	Highly efficient synthesis of medium-sized lactams via intramolecular Staudinger-aza-Wittig reaction of β -azido pentafluorophenyl ester: synthesis and biological evaluation of LY411575 analogues. <i>Tetrahedron Letters</i> , 2004, 45, 2323-2326.	0.7	46
131	Parallel synthesis of DAPT derivatives and their β -secretase-inhibitory activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 1983-1985.	1.0	28
132	The inhibition of gamma-secretase as a therapeutic approach to Alzheimer's disease. <i>Drug News and Perspectives</i> , 2004, 17, 321.	1.9	29
133	The role of presenilin cofactors in the β -secretase complex. <i>Nature</i> , 2003, 422, 438-441.	13.7	839
134	Presenilin-dependent β -secretase activity mediates the intramembranous cleavage of CD44. <i>Oncogene</i> , 2003, 22, 1511-1516.	2.6	139
135	APP Processing and Synaptic Function. <i>Neuron</i> , 2003, 37, 925-937.	3.8	1,423
136	Solid-phase synthesis of photoaffinity probes: highly efficient incorporation of biotin-tag and cross-linking groups. <i>Chemical Communications</i> , 2003, , 2244.	2.2	33
137	A presenilin dimer at the core of the β -secretase enzyme: Insights from parallel analysis of Notch 1 and APP proteolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13075-13080.	3.3	203
138	Sulindac Sulfide Is a Noncompetitive β -Secretase Inhibitor That Preferentially Reduces $A\beta_{42}$ Generation. <i>Journal of Biological Chemistry</i> , 2003, 278, 18664-18670.	1.6	172
139	Analysis of Neurons Created from Wild-Type and Alzheimer's Mutation Knock-In Embryonic Stem Cells by a Highly Efficient Differentiation Protocol. <i>Journal of Neuroscience</i> , 2003, 23, 8513-8525.	1.7	24
140	The Mechanism of β -Secretase Activities through High Molecular Weight Complex Formation of Presenilins Is Conserved in <i>Drosophila melanogaster</i> and Mammals. <i>Journal of Biological Chemistry</i> , 2002, 277, 50198-50205.	1.6	40
141	Molecular Cloning and Characterization of CALP/KChIP4, a Novel EF-hand Protein Interacting with Presenilin 2 and Voltage-gated Potassium Channel Subunit Kv4. <i>Journal of Biological Chemistry</i> , 2002, 277, 14965-14975.	1.6	140
142	A Role for Presenilin 1 in Regulating the Delivery of Amyloid Precursor Protein to the Cell Surface. <i>Neurobiology of Disease</i> , 2002, 11, 64-82.	2.1	65
143	Complex N-glycosylated form of nicastrin is stabilized and selectively bound to presenilin fragments. <i>FEBS Letters</i> , 2002, 520, 117-121.	1.3	59
144	Presenilins mediate a dual intramembranous gamma-secretase cleavage of Notch-1. <i>EMBO Journal</i> , 2002, 21, 5408-5416.	3.5	214

#	ARTICLE	IF	CITATIONS
145	Presenilin and Amyloidogenesis: A Structure-Function Relationship Study on Presenilin 2. <i>Advances in Behavioral Biology</i> , 2002, , 65-71.	0.2	0
146	Molecular Cloning and Expression of the Novel Splice Variants of K ⁺ Channel-Interacting Protein 2. <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 96-102.	1.0	46
147	Neprilysin Degrades Both Amyloid β Peptides 1-40 and 1-42 Most Rapidly and Efficiently among Thiorphan- and Phosphoramidon-sensitive Endopeptidases. <i>Journal of Biological Chemistry</i> , 2001, 276, 21895-21901.	1.6	282
148	Subcellular Compartment and Molecular Subdomain of β -Amyloid Precursor Protein Relevant to the β 42-promoting Effects of Alzheimer Mutant Presenilin 2. <i>Journal of Biological Chemistry</i> , 2001, 276, 21678-21685.	1.6	52
149	The First Proline of PALP Motif at the C Terminus of Presenilins Is Obligatory for Stabilization, Complex Formation, and β -Secretase Activities of Presenilins. <i>Journal of Biological Chemistry</i> , 2001, 276, 33273-33281.	1.6	81
150	Lessons from presenilin domain analysis: endoproteolytic processing and enhanced β 42 production mediated by FAD-linked variants. , 2001, , 167-175.		0
151	Amyloid and presenilins in the pathobiology of Alzheimer's disease. , 2001, , 177-181.		0
152	Variant Alzheimer's disease with spastic paraparesis and cotton wool plaques is caused by PS-1 mutations that lead to exceptionally high amyloid- β concentrations. <i>Annals of Neurology</i> , 2000, 48, 806-808.	2.8	135
153	The Nonconserved Hydrophilic Loop Domain of Presenilin (PS) Is Not Required for PS Endoproteolysis or Enhanced β 42 Production Mediated by Familial Early Onset Alzheimer's Disease-linked PS Variants. <i>Journal of Biological Chemistry</i> , 2000, 275, 17136-17142.	1.6	61
154	Molecular interactions between presenilin and calpain: inhibition of m-calpain protease activity by presenilin-1, 2 and cleavage of presenilin-1 by m-, mu-calpain.. <i>International Journal of Molecular Medicine</i> , 2000, 5, 269-73.	1.8	17
155	Amyloid Precursor Proteins Inhibit Heme Oxygenase Activity and Augment Neurotoxicity in Alzheimer's Disease. <i>Neuron</i> , 2000, 28, 461-473.	3.8	168
156	Variant Alzheimer's disease with spastic paraparesis and cotton wool plaques is caused by PS-1 mutations that lead to exceptionally high amyloid- β concentrations. <i>Annals of Neurology</i> , 2000, 48, 806-808.	2.8	3
157	C Terminus of Presenilin Is Required for Overproduction of Amyloidogenic β 42 through Stabilization and Endoproteolysis of Presenilin. <i>Journal of Neuroscience</i> , 1999, 19, 10627-10634.	1.7	104
158	Interactions of presenilin and calpain. <i>The Japanese Journal of Pharmacology</i> , 1999, 79, 73.	1.2	0
159	Caveolin-3 Upregulation Activates β -Secretase-Mediated Cleavage of the Amyloid Precursor Protein in Alzheimer's Disease. <i>Journal of Neuroscience</i> , 1999, 19, 6538-6548.	1.7	77
160	Evidence That Intramolecular Associations between Presenilin Domains Are Obligatory for Endoproteolytic Processing. <i>Journal of Biological Chemistry</i> , 1999, 274, 13818-13823.	1.6	69
161	A Loss of Function Mutation of Presenilin-2 Interferes with Amyloid β -Peptide Production and Notch Signaling. <i>Journal of Biological Chemistry</i> , 1999, 274, 28669-28673.	1.6	279
162	Enhancement of amyloid β 42 secretion by 28 different presenilin 1 mutations of familial Alzheimer's disease. <i>Neuroscience Letters</i> , 1999, 265, 61-63.	1.0	129

#	ARTICLE	IF	CITATIONS
163	Cerebrospinal fluid levels of amyloid β -peptide 1-42, but not tau have positive correlation with brain glucose metabolism in humans. <i>Neuroscience Letters</i> , 1999, 273, 203-207.	1.0	35
164	Primary cultures of neuronal and non-neuronal rat brain cells secrete similar proportions of amyloid β peptides ending at A β 240 and A β 242. <i>NeuroReport</i> , 1999, 10, 2965-2969.	0.6	55
165	Glial cytoplasmic inclusions in white matter oligodendrocytes of multiple system atrophy brains contain insoluble α -synuclein. <i>Annals of Neurology</i> , 1998, 44, 415-422.	2.8	633
166	Effects of PS1 Deficiency on Membrane Protein Trafficking in Neurons. <i>Neuron</i> , 1998, 21, 1213-1221.	3.8	359
167	The Presenilin 1 Mutation (M146V) Linked to Familial Alzheimer's Disease Attenuates the Neuronal Differentiation of Ntera 2 Cells. <i>Biochemical and Biophysical Research Communications</i> , 1998, 244, 751-755.	1.0	27
168	Molecular Dissection of Domains in Mutant Presenilin 2 That Mediate Overproduction of Amyloidogenic Forms of Amyloid β Peptides. <i>Journal of Biological Chemistry</i> , 1998, 273, 21153-21160.	1.6	74
169	The presenilin 2 loop domain interacts with the mu-calpain C-terminal region.. <i>International Journal of Molecular Medicine</i> , 1998, 1, 797-9.	1.8	36
170	β APP β -secretase and SREBP site 2 protease are two different enzymes. <i>NeuroReport</i> , 1998, 9, 911-913.	0.6	8
171	Screening of Presenilin Binding Proteins. <i>The Japanese Journal of Pharmacology</i> , 1998, 76, 92.	1.2	0
172	Mutant Presenilin 2 Transgenic Mouse: Effect on an Age-Dependent Increase of Amyloid β Protein 42 in the Brain. <i>Journal of Neurochemistry</i> , 1998, 71, 313-322.	2.1	81
173	The presenilin 2 mutation (N141I) linked to familial Alzheimer disease (Volga German families) increases the secretion of amyloid β protein ending at the 42nd (or 43rd) residue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 2025-2030.	3.3	378
174	Molecular Cloning of a Novel Basic Helix-Loop-Helix Protein from the Rat Brain. <i>Biochemical and Biophysical Research Communications</i> , 1996, 219, 526-530.	1.0	42
175	Familial Alzheimer's Disease-Linked Mutations at Val717 of Amyloid Precursor Protein Are Specific for the Increased Secretion of A β 242(43). <i>Biochemical and Biophysical Research Communications</i> , 1996, 227, 730-735.	1.0	64
176	Secretion of Alzheimer Amyloid β /A4 from Transfected Culture Cells.. <i>The Japanese Journal of Pharmacology</i> , 1996, 71, 278.	1.2	0
177	Application of boronated anti-CEA immunoliposome to tumour cell growth inhibition in in vitro boron neutron capture therapy model. <i>British Journal of Cancer</i> , 1991, 63, 522-526.	2.9	90
178	Photo-Oxygenation as a New Therapeutic Strategy for Neurodegenerative Proteinopathies by Enhancing the Clearance of Amyloid Proteins. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	4
179	Presenilin Deficiency Increases Susceptibility to Oxidative Damage in Fibroblasts. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	1
180	Mouse Models of Alzheimer's Disease. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	1.4	50