Neuronal and glial calcium signaling in Alzheimerâ€⁵\di

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Citation Report

#	Article	IF	CITATIONS
1	Perturbed Signal Transduction in Neurodegenerative Disorders Involving Aberrant Protein Aggregation. NeuroMolecular Medicine, 2003, 4, 109-132.	3.4	28
2	Mechanisms of neuronal cell death: diverse roles of calcium in the various subcellular compartments. Cell Calcium, 2003, 34, 305-310.	2.4	48
3	Endoplasmic reticulum: a primary target in various acute disorders and degenerative diseases of the brain. Cell Calcium, 2003, 34, 365-383.	2.4	169
4	Endoplasmic reticulum Ca2+homeostasis and neuronal death. Journal of Cellular and Molecular Medicine, 2003, 7, 351-361.	3.6	149
5	Role of cdk5 in the Pathogenesis of Alzheimer's Disease. NeuroSignals, 2003, 12, 209-214.	0.9	54
6	Endoplasmic Reticulum Dysfunction in Brain Pathology: Critical Role of Protein Synthesis. Current Neurovascular Research, 2004, 1, 173-181.	1.1	60
7	Cytotoxic and Membrane Perturbation Effects of a Novel Amyloid Forming Model Peptide Poly(Leucine-Glutamic Acid). Journal of Biochemistry, 2004, 136, 457-462.	1.7	13
8	Growth Factor Receptor-bound Protein 2 Interaction with the Tyrosine-phosphorylated Tail of Amyloid Î ² Precursor Protein Is Mediated by Its Src Homology 2 Domain. Journal of Biological Chemistry, 2004, 279, 25374-25380.	3.4	50
9	TNFα-induced AMPA-receptor trafficking in CNS neurons; relevance to excitotoxicity?. Neuron Glia Biology, 2004, 1, 263-273.	1.6	67
10	Glypicanâ \in 1 as an AÎ ² binding HSPG in the human brain: Its localization in DIG domains and possible roles in the pathogenesis of Alzheimer's disease. FASEB Journal, 2004, 18, 1013-1015.	0.5	59
11	Fibrillar amyloid deposition leads to local synaptic abnormalities and breakage of neuronal branches. Nature Neuroscience, 2004, 7, 1181-1183.	14.8	497
12	Neurodegenerative diseases and oxidative stress. Nature Reviews Drug Discovery, 2004, 3, 205-214.	46.4	2,923
13	Pathways towards and away from Alzheimer's disease. Nature, 2004, 430, 631-639.	27.8	2,687
14	Hypoxia response elements. Cell Calcium, 2004, 36, 181-185.	2.4	11
15	Calmodulin-binding domains in Alzheimer's disease proteins: extending the calcium hypothesis. Biochemical and Biophysical Research Communications, 2004, 320, 1051-1054.	2.1	57
16	Erythropoietin in the brain: can the promise to protect be fulfilled?. Trends in Pharmacological Sciences, 2004, 25, 577-583.	8.7	186
17	The pathogenesis of glycosphingolipid storage disorders. Seminars in Cell and Developmental Biology, 2004, 15, 417-431.	5.0	73
18	Calpain Mediates Calcium-Induced Activation of the Erk1,2 MAPK Pathway and Cytoskeletal Phosphorylation in Neurons. American Journal of Pathology, 2004, 165, 795-805.	3.8	125

#	Article	IF	CITATIONS
19	GDNF regulates the A \hat{l}^2 -induced endoplasmic reticulum stress response in rabbit hippocampus by inhibiting the activation of gadd 153 and the JNK and ERK kinases. Neurobiology of Disease, 2004, 16, 417-427.	4.4	30
20	Protective effect of nicotine on tunicamycin-induced apoptosis of PC12h cells. Neuroscience Letters, 2004, 370, 244-247.	2.1	14
21	Amyloid \hat{I}^2 Prevents Activation of Calcium/Calmodulin-Dependent Protein Kinase II and AMPA Receptor Phosphorylation During Hippocampal Long-Term Potentiation. Journal of Neurophysiology, 2004, 92, 2853-2858.	1.8	137
22	Calcium in Alzheimer's disease pathogenesis: Too much, too little or in the wrong place?. Journal of Alzheimer's Disease, 2005, 8, 147-154.	2.6	25
23	The Ryanodine Receptors Ca 2 +  Release Channels: Cellular Redox Sensors?. IUBMB Life, 2005, 57, 315-32	2.3.4	97
24	Physiology and Pathophysiology of the Calcium Store in the Endoplasmic Reticulum of Neurons. Physiological Reviews, 2005, 85, 201-279.	28.8	665
25	mTOR/p70S6k signalling alteration by Al̂² exposure as well as in APPâ€PS1 transgenic models and in patients with Alzheimer's disease. Journal of Neurochemistry, 2005, 94, 215-225.	3.9	202
26	Visualization of local Ca2+ dynamics with genetically encoded bioluminescent reporters. European Journal of Neuroscience, 2005, 21, 597-610.	2.6	77
27	Intraluminal calcium as a primary regulator of endoplasmic reticulum function. Cell Calcium, 2005, 38, 303-310.	2.4	214
28	Calcium signalling: Past, present and future. Cell Calcium, 2005, 38, 161-169.	2.4	206
29	Homocysteic acid induces intraneuronal accumulation of neurotoxic $\hat{Al^2}42$: Implications for the pathogenesis of Alzheimer's disease. Journal of Neuroscience Research, 2005, 80, 869-876.	2.9	71
30	The role of ß-amyloid in Alzheimer's disease. , 2005, , 452-458.		0
31	Cross talk between Ca 2+ and redox signalling cascades in muscle and neurons through the combined activation of ryanodine receptors/Ca 2+ release channels. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 2237-2246.	4.0	69
32	Truncation and Activation of Calcineurin A by Calpain I in Alzheimer Disease Brain. Journal of Biological Chemistry, 2005, 280, 37755-37762.	3.4	150
33	Lipid homeostasis and apolipoprotein E in the development and progression of Alzheimer's disease. Journal of Lipid Research, 2005, 46, 949-968.	4.2	157
34	Store-Operated Calcium Channels. Physiological Reviews, 2005, 85, 757-810.	28.8	1,907
35	Enhanced hippocampal long-term potentiation in rats after chronic exposure to homocysteine. Neuroscience Letters, 2005, 373, 119-124.	2.1	45
36	Calcium pumps in the central nervous system. Brain Research Reviews, 2005, 49, 398-405.	9.0	41

#	ARTICLE	IF	Citations
37	Apoptotic signals within the basal forebrain cholinergic neurons in Alzheimer's disease. Experimental Neurology, 2005, 195, 484-496.	4.1	76
38	Age-Related Loss of Synaptophysin Immunoreactive Presynaptic Boutons within the Hippocampus of APP751SL, PS1M146L, and APP751SL/PS1M146L Transgenic Mice. American Journal of Pathology, 2005, 167, 161-173.	3.8	107
39	Calcium transport in cardiovascular health and diseaseâ€"The sarcolemmal calcium pump enters the stage. Journal of Molecular and Cellular Cardiology, 2005, 39, 403-406.	1.9	24
40	Nuclear localization of Annexin A7 during murine brain development. BMC Neuroscience, 2005, 6, 25.	1.9	25
41	Pathophysiology of Alzheimer's Disease. Neuroimaging Clinics of North America, 2005, 15, 727-753.	1.0	68
42	Nitrosative Stress, Cellular Stress Response, and Thiol Homeostasis in Patients with Alzheimer's Disease. Antioxidants and Redox Signaling, 2006, 8, 1975-1986.	5.4	215
43	Calcium chelation improves spatial learning and synaptic plasticity in aged rats. Experimental Neurology, 2006, 197, 291-300.	4.1	43
44	Genetic diseases of sphingolipid metabolism: Pathological mechanisms and therapeutic options. FEBS Letters, 2006, 580, 5510-5517.	2.8	38
45	Salvianolic acid B, an antioxidant from Salvia miltiorrhiza, prevents Aβ25–35-induced reduction in BPRP in PC12 cells. Biochemical and Biophysical Research Communications, 2006, 348, 593-599.	2.1	86
46	Down-regulation of microglial activation may represent a practical strategy for combating neurodegenerative disorders. Medical Hypotheses, 2006, 67, 251-269.	1.5	81
47	Amyloid β peptide (25–35) activates protein kinase C leading to cyclooxygenase-2 induction and prostaglandin E2 release in primary midbrain astrocytes. Neurochemistry International, 2006, 48, 663-672.	3.8	48
48	Apoptosis is secondary to non-apoptotic axonal degeneration in neurons exposed to $A\hat{l}^2$ in distal axons. Neurobiology of Aging, 2006, 27, 1224-1238.	3.1	41
49	Extracellular signal-regulated kinase as an inducer of non-apoptotic neuronal death. Neuroscience, 2006, 138, 1055-1065.	2.3	80
50	Glutamate-dependent translational regulation in cultured Bergmann glia cells: Involvement of p70S6K. Neuroscience, 2006, 141, 1389-1398.	2.3	23
51	Protein serine/threonine phosphatases in neuronal plasticity and disorders of learning and memory. Trends in Neurosciences, 2006, 29, 679-686.	8.6	142
52	Non-fibrillar \hat{l}^2 -amyloid abates spike-timing-dependent synaptic potentiation at excitatory synapses in layer 2/3 of the neocortex by targeting postsynaptic AMPA receptors. European Journal of Neuroscience, 2006, 23, 2035-2047.	2.6	76
53	NMDA-induced retinal injury is mediated by an endoplasmic reticulum stress-related protein, CHOP/GADD153. Journal of Neurochemistry, 2006, 96, 43-52.	3.9	55
54	Oxidative stress and neurodegeneration: where are we now?. Journal of Neurochemistry, 2006, 97, 1634-1658.	3.9	2,199

#	Article	IF	Citations
55	Molecular mechanisms for Alzheimer's disease: implications for neuroimaging and therapeutics. Journal of Neurochemistry, 2006, 97, 1700-1725.	3.9	206
56	Implication of calpain in neuronal apoptosis. FEBS Journal, 2006, 273, 3437-3443.	4.7	114
57	Calcium signaling in physiology and pathophysiology. Acta Pharmacologica Sinica, 2006, 27, 767-772.	6.1	31
58	Acute effect of \hat{I}^2 amyloid on synchronized spontaneous Ca2+ oscillations in cultured hippocampal networks. Cell Biology International, 2006, 30, 733-740.	3.0	21
59	Role of Glutamine Deamidation in Neurodegenerative Diseases Associated With Triplet Repeat Expansions: A Hypothesis. Journal of Molecular Neuroscience, 2006, 29, 29-34.	2.3	17
60	H2O2 Mobilizes Ca2+ from Agonist- and Thapsigargin-sensitive and Insensitive Intracellular Stores and Stimulates Glutamate Secretion in Rat Hippocampal Astrocytes. Neurochemical Research, 2006, 31, 741-750.	3.3	35
61	Reticulon proteins: emerging players in neurodegenerative diseases. Cellular and Molecular Life Sciences, 2006, 63, 877-889.	5.4	97
62	Genetic basis of Alzheimer's dementia: role of mtDNA mutations. Genes, Brain and Behavior, 2006, 5, 92-107.	2.2	36
63	Peroxyl radicals: Inductors of neurodegenerative and other inflammatory diseases. Their origin and how they transform cholesterol, phospholipids, plasmalogens, polyunsaturated fatty acids, sugars, and proteins into deleterious products. Free Radical Biology and Medicine, 2006, 41, 362-387.	2.9	157
64	Chronic $1\hat{l}_{\pm}$,25-(OH)2vitamin D3 treatment reduces Ca2+-mediated hippocampal biomarkers of aging. Cell Calcium, 2006, 40, 277-286.	2.4	73
65	Emerging perspectives in store-operated Ca2+ entry: Roles of Orai, Stim and TRP. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1147-1160.	4.1	194
66	Axotomy induces contrasting changes in calcium and calcium-binding proteins in oculomotor and hypoglossal nuclei of Balb/c mice. Journal of Comparative Neurology, 2006, 499, 17-32.	1.6	38
67	Glutamate-mediated glial injury: Mechanisms and clinical importance. Glia, 2006, 53, 212-224.	4.9	308
68	Molecular Insights into Mechanisms of the Cell Death Program:Role in the Progression of Neurodegenerative Disorders. Current Alzheimer Research, 2006, 3, 269-283.	1.4	145
69	The Emergence of Plasma Membrane Calcium Pump as a Novel Therapeutic Target for Heart Disease. Mini-Reviews in Medicinal Chemistry, 2006, 6, 583-588.	2.4	11
70	Acute Impairment of Mitochondrial Trafficking by \hat{l}^2 -Amyloid Peptides in Hippocampal Neurons. Journal of Neuroscience, 2006, 26, 10480-10487.	3.6	225
71	Expression of a Familial Alzheimer's Disease-Linked Presenilin-1 Variant Enhances Perforant Pathway Lesion-Induced Neuronal Loss in the Entorhinal Cortex. Journal of Neuroscience, 2006, 26, 429-434.	3.6	27
72	Microtubule-associated Protein MAP1A, MAP1B, and MAP2 Proteolysis during Soluble Amyloid β-Peptide-induced Neuronal Apoptosis. Journal of Biological Chemistry, 2006, 281, 229-240.	3.4	105

#	ARTICLE	IF	CITATIONS
73	Effects of ATP, Mg2+, and redox agents on the Ca2+ dependence of RyR channels from rat brain cortex. American Journal of Physiology - Cell Physiology, 2007, 293, C162-C171.	4.6	38
74	A role for presenilin in postâ€stress regulation: effects of presenilin mutations on Ca 2+ currents in Drosophila. FASEB Journal, 2007, 21, 2368-2378.	0.5	13
75	The Inhalation Anesthetic Isoflurane Induces a Vicious Cycle of Apoptosis and Amyloid Â-Protein Accumulation. Journal of Neuroscience, 2007, 27, 1247-1254.	3.6	224
76	Life-span influences of apoE4 on CNS function. Neurobiology of Aging, 2007, 28, 693-703.	3.1	5
77	Transient receptor potential channels in Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 958-967.	3.8	99
78	NF- \hat{l}^{P} B activated by ER calcium release inhibits A \hat{l}^{2} -mediated expression of CHOP protein: Enhancement by AD-linked mutant presenilin 1. Experimental Neurology, 2007, 208, 169-176.	4.1	30
79	3,4-Dihydroxybenzoic acid from Smilacis chinae rhizome protects amyloid \hat{l}^2 protein (25 \hat{a} €"35)-induced neurotoxicity in cultured rat cortical neurons. Neuroscience Letters, 2007, 420, 184-188.	2.1	46
80	Differential toxicity of novel aluminium compounds in hippocampal culture. NeuroToxicology, 2007, 28, 576-586.	3.0	29
81	The Pathogenesis of Alzheimers Diseaseâ€"Is It a Lifelong "Calciumopathyâ€?. Neuroscientist, 2007, 13, 546-559.	3.5	170
82	Developing Sensors for Real-Time Measurement of High Ca2+ Concentrations. Biochemistry, 2007, 46, 12275-12288.	2.5	45
83	Amyloid-Î ² Aggregation. Neurodegenerative Diseases, 2007, 4, 13-27.	1.4	290
84	Functional ryanodine receptors are expressed by human microglia and THP-1 cells: Their possible involvement in modulation of neurotoxicity. Journal of Neuroscience Research, 2007, 85, 2207-2215.	2.9	40
85	Molecular basis of Alzheimer's disease. Molecular Biology, 2007, 41, 294-307.	1.3	18
86	Calnuc binds to Alzheimer's ?-amyloid precursor protein and affects its biogenesis. Journal of Neurochemistry, 2007, 100, 070209222715062-???.	3.9	37
87	Downâ€regulation of cAMPâ€dependent protein kinase by overâ€activated calpain in Alzheimer disease brain. Journal of Neurochemistry, 2007, 103, 2462-2470.	3.9	123
88	The importance of being subtle: small changes in calcium homeostasis control cognitive decline in normal aging. Aging Cell, 2007, 6, 267-273.	6.7	170
89	The amyloid precursor protein potentiates CHOP induction and cell death in response to ER Ca2+ depletion. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 157-165.	4.1	39
90	Ethanol stimulates ROS generation by mitochondria through Ca2+ mobilization and increases GFAP content in rat hippocampal astrocytes. Brain Research, 2007, 1178, 28-37.	2.2	93

#	ARTICLE	IF	CITATIONS
91	Serum Calcium and Cognitive Function in Old Age. Journal of the American Geriatrics Society, 2007, 55, 1786-1792.	2.6	69
92	Soluble protein oligomers as emerging toxins in alzheimer's and other amyloid diseases. IUBMB Life, 2007, 59, 332-345.	3.4	289
93	Trifluoperazine protects brain plasma membrane Ca2+-ATPase from oxidative damaging. Experimental Brain Research, 2007, 177, 347-357.	1.5	11
94	Searching for a Role of NCX/NCKX Exchangers in Neurodegeneration. Molecular Neurobiology, 2007, 35, 195-202.	4.0	20
95	Quinolinate-induced Rat Striatal Excitotoxicity Impairs Endoplasmic Reticulum Ca2+-ATPase Function. Neurochemical Research, 2008, 33, 1749-1758.	3.3	16
96	Effect of inhalational anesthetics on cytotoxicity and intracellular calcium differently in rat pheochromocytoma cells (PC12). Journal of Huazhong University of Science and Technology [Medical Sciences], 2008, 28, 104-109.	1.0	6
97	Implication of Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP) for Neuroprotection of Nicotinic Acetylcholine Receptor Signaling in PC12 Cells. Journal of Molecular Neuroscience, 2008, 36, 73-78.	2.3	11
98	Advanced lipid peroxidation end products in oxidative damage to proteins. Potential role in diseases and therapeutic prospects for the inhibitors. British Journal of Pharmacology, 2008, 153, 6-20.	5.4	507
99	Amyloid precursor protein and amyloid \hat{l}^2 -peptide bind to ATP synthase and regulate its activity at the surface of neural cells. Molecular Psychiatry, 2008, 13, 953-969.	7.9	120
100	Role of methionine 35 in the intracellular Ca ²⁺ homeostasis dysregulation and Ca ²⁺ â€dependent apoptosis induced by amyloid βâ€peptide in human neuroblastoma IMR32 cells. Journal of Neurochemistry, 2008, 107, 1070-1082.	3.9	27
101	Memantine protects rat cortical cultured neurons against βâ€amyloidâ€induced toxicity by attenuating tau phosphorylation. European Journal of Neuroscience, 2008, 28, 1989-2002.	2.6	125
102	Mitochondrial DNA damage and repair in neurodegenerative disorders. DNA Repair, 2008, 7, 1110-1120.	2.8	146
103	Mechanism of Ca2+ Disruption in Alzheimer's Disease by Presenilin Regulation of InsP3 Receptor Channel Gating. Neuron, 2008, 58, 871-883.	8.1	426
104	An antidepressant behaviour in mice carrying a gene-specific InsP3R1, InsP3R2 and InsP3R3 protein knockdown. Neuropharmacology, 2008, 55, 1156-1164.	4.1	18
105	Subfield and layer-specific depletion in calbindin-D28K, calretinin and parvalbumin immunoreactivity in the dentate gyrus of amyloid precursor protein/presenilin 1 transgenic mice. Neuroscience, 2008, 155, 182-191.	2.3	31
106	Amyloid-beta peptide decreases glutamate uptake in cultured astrocytes: Involvement of oxidative stress and mitogen-activated protein kinase cascades. Neuroscience, 2008, 156, 898-910.	2.3	201
107	The cytosolic N-terminus of presenilin-1 potentiates mouse ryanodine receptor single channel activity. International Journal of Biochemistry and Cell Biology, 2008, 40, 84-97.	2.8	88
108	Neuroprotection by hypothalamic peptide prolineâ€rich peptideâ€l in Aβ25–35 model of Alzheimer's disease. Alzheimer's and Dementia, 2008, 4, 332-344.	0.8	24

#	Article	IF	CITATIONS
109	Alterations of some membrane transport proteins in Alzheimer's disease: role of amyloid \hat{l}^2 -peptide. Molecular BioSystems, 2008, 4, 36-41.	2.9	25
110	Imaging Neuroinflammation in Alzheimer's Disease with Radiolabeled Arachidonic Acid and PET. Journal of Nuclear Medicine, 2008, 49, 1414-1421.	5.0	158
111	A Presenilin-1 Mutation Renders Neurons Vulnerable to Isoflurane Toxicity. Anesthesia and Analgesia, 2008, 106, 492-500.	2.2	54
112	Rapid Tumor Necrosis Factor α-Induced Exocytosis of Glutamate Receptor 2-Lacking AMPA Receptors to Extrasynaptic Plasma Membrane Potentiates Excitotoxicity. Journal of Neuroscience, 2008, 28, 2119-2130.	3.6	122
113	Awareness of Hormesis Will Enhance Future Research in Basic and Applied Neuroscience. Critical Reviews in Toxicology, 2008, 38, 633-639.	3.9	78
114	Overexpressed cyclophilin B suppresses apoptosis associated with ROS and Ca2+ homeostasis after ER stress. Journal of Cell Science, 2008, 121, 3636-3648.	2.0	106
115	Glucose and Endoplasmic Reticulum Calcium Channels Regulate HIF- $1\hat{l}^2$ via Presenilin in Pancreatic \hat{l}^2 -Cells. Journal of Biological Chemistry, 2008, 283, 9909-9916.	3.4	55
116	Hormesis and disease resistance: activation of cellular stress response pathways. Human and Experimental Toxicology, 2008, 27, 155-162.	2.2	103
117	Presenilin-1 Gene Intronic Polymorphism and Late-onset Alzheimer's Disease. Journal of Geriatric Psychiatry and Neurology, 2008, 21, 268-273.	2.3	8
118	Molecular Aspects of Memory Dysfunction in Alzheimer's Disease. , 2008, , 245-293.		4
119	Oxidative stress in neurodegeneration and available means of protection. Frontiers in Bioscience - Landmark, 2008, Volume, 3288.	3.0	103
120	Intracellular Calcium and Neuronal Death. , 2009, , 191-196.		0
121	Calcium dyshomeostasis and neurotoxicity of Alzheimer's β-amyloid protein. Expert Review of Neurotherapeutics, 2009, 9, 681-693.	2.8	54
122	Crosstalk Between Calcium, Amyloid \hat{I}^2 and the Receptor for Advanced Glycation Endproducts in Alzheimer's Disease. Reviews in the Neurosciences, 2009, 20, 95-110.	2.9	27
123	Deviant Ryanodine Receptor-Mediated Calcium Release Resets Synaptic Homeostasis in Presymptomatic 3xTg-AD Mice. Journal of Neuroscience, 2009, 29, 9458-9470.	3.6	180
124	Oxidative stress in Alzheimer disease. Cell Adhesion and Migration, 2009, 3, 88-93.	2.7	326
125	Intracellular calcium homeostasis in patients with early stagesof chronic kidney disease: effects of vitamin D3 supplementation. Nephrology Dialysis Transplantation, 2009, 24, 3376-3381.	0.7	24
126	Altered Ca ²⁺ dependence of synaptosomal plasma membrane Ca ²⁺ â€ATPase in human brain affected by Alzheimer's disease. FASEB Journal, 2009, 23, 1826-1834.	0.5	63

#	Article	IF	CITATIONS
127	Cannabidiol Targets Mitochondria to Regulate Intracellular Ca ²⁺ Levels. Journal of Neuroscience, 2009, 29, 2053-2063.	3.6	206
128	Up-regulation of astrocyte metabotropic glutamate receptor 5 by amyloid- \hat{l}^2 peptide. Brain Research, 2009, 1260, 65-75.	2.2	81
129	Reduced amyloidogenic processing of the amyloid \hat{l}^2 -protein precursor by the small-molecule Differentiation Inducing Factor-1. Cellular Signalling, 2009, 21, 567-576.	3.6	10
131	Alzheimer's Disease: From Pathology to Therapeutic Approaches. Angewandte Chemie - International Edition, 2009, 48, 3030-3059.	13.8	544
132	Physiological implications of the interaction between the plasma membrane calcium pump and nNOS. Pflugers Archiv European Journal of Physiology, 2009, 457, 665-671.	2.8	31
133	Common key-signals in learning and neurodegeneration: focus on excito-amino acids, \hat{l}^2 -amyloid peptides and \hat{l}_2 -synuclein. Journal of Neural Transmission, 2009, 116, 953-974.	2.8	8
134	A Comparative Study of \hat{l}^2 -Amyloid Peptides A \hat{l}^2 1-42 and A \hat{l}^2 25-35 Toxicity in Organotypic Hippocampal Slice Cultures. Neurochemical Research, 2009, 34, 295-303.	3.3	87
135	Differential Effects of Methionine and Cysteine Oxidation on [Ca2+]i in Cultured Hippocampal Neurons. Cellular and Molecular Neurobiology, 2009, 29, 7-15.	3.3	15
136	Calcium ion signaling in astrocytes. , 2009, , 201-224.		6
137	Intracellular- and extracellular-derived Ca2+ influence phospholipase A2-mediated fatty acid release from brain phospholipids. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 697-705.	2.4	56
138	Gene expression profile of the PDAPP mouse model for Alzheimer's disease with and without Apolipoprotein E. Neurobiology of Aging, 2009, 30, 574-590.	3.1	23
139	Calcium dysregulation in Alzheimer's disease: From mechanisms to therapeutic opportunities. Progress in Neurobiology, 2009, 89, 240-255.	5.7	138
140	\hat{I}^3 -Secretase activity modulates store-operated Ca2+ entry into rat sensory neurons. Neuroscience Letters, 2009, 451, 124-128.	2.1	61
141	Amyloid-β25–35 impairs memory and increases NO in the temporal cortex of rats. Neuroscience Research, 2009, 63, 129-137.	1.9	60
142	ER stress in Alzheimer's disease: a novel neuronal trigger for inflammation and Alzheimer's pathology. Journal of Neuroinflammation, 2009, 6, 41.	7.2	270
143	Aralia cordata Protects Against Amyloid β Protein (25–35)–Induced Neurotoxicity in Cultured Neurons and Has Antidementia Activities in Mice. Journal of Pharmacological Sciences, 2009, 111, 22-32.	2.5	43
144	Hippocampal interneuron loss in an APP/PS1 double mutant mouse and in Alzheimer's disease. Brain Structure and Function, 2010, 214, 145-160.	2.3	98
145	Characterization of gene expression induced by RTN-1C in human neuroblastoma cells and in mouse brain. Neurobiology of Disease, 2010, 40, 634-644.	4.4	6

#	Article	IF	CITATIONS
146	Calcium dyshomeostasis in white matter pathology. Cell Calcium, 2010, 47, 150-157.	2.4	69
147	Amyloid \hat{l}^2 oligomers induce Ca2+ dysregulation and neuronal death through activation of ionotropic glutamate receptors. Cell Calcium, 2010, 47, 264-272.	2.4	318
148	Hypoglossal motor neurons display a reduced calcium increase after axotomy in mice with upregulated parvalbumin. Journal of Comparative Neurology, 2010, 518, 1946-1961.	1.6	11
149	Î ² -Amyloid Causes Depletion of Synaptic Vesicles Leading to Neurotransmission Failure. Journal of Biological Chemistry, 2010, 285, 2506-2514.	3.4	153
150	Single-cell mechanics provides a sensitive and quantitative means for probing amyloid- \hat{l}^2 peptide and neuronal cell interactions. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13872-13877.	7.1	65
151	Lipid Membranes and & Deptide Science, 2010, 11, 319-325.	1.4	57
152	Oxidatively Modified Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) and Alzheimer's Disease: Many Pathways to Neurodegeneration. Journal of Alzheimer's Disease, 2010, 20, 369-393.	2.6	252
153	Contribution of \hat{I}^3 -secretase to calcium-mediated cell death. Neuroscience Letters, 2010, 469, 425-428.	2.1	10
154	Activation of large-conductance Ca2+-activated K+ channels depresses basal synaptic transmission in the hippocampal CA1 area in APP (swe/ind) TgCRND8 mice. Neurobiology of Aging, 2010, 31, 591-604.	3.1	60
155	Neuronal gene expression in non-demented individuals with intermediate Alzheimer's Disease neuropathology. Neurobiology of Aging, 2010, 31, 549-566.	3.1	68
156	Multiphoton in vivo imaging of amyloid in animal models of Alzheimer's disease. Neuropharmacology, 2010, 59, 268-275.	4.1	43
157	Modulation of mitochondrial calcium as a pharmacological target for Alzheimer's disease. Ageing Research Reviews, 2010, 9, 447-456.	10.9	42
158	Soluble oligomeric forms of beta-amyloid ($A\hat{l}^2$) peptide stimulate $A\hat{l}^2$ production via astrogliosis in the rat brain. Experimental Neurology, 2010, 223, 410-421.	4.1	32
159	Tumor Necrosis Factor as a Neuroinflammatory Mediator in Alzheimer's Disease and Stroke: Molecular Mechanisms and Neuroinflammatory Imaging. NeuroImmune Biology, 2010, , 251-267.	0.2	0
160	Performance and features of Multi-Layer Perceptron with impulse glial network., 2011,,.		12
161	Mechanisms underlying basal and learning-related intrinsic excitability in a mouse model of Alzheimer's disease. Neurobiology of Aging, 2011, 32, 1452-1465.	3.1	84
162	Neurodegeneration in glaucoma: progression and calcium-dependent intracellular mechanisms. Neuroscience, 2011, 176, 1-11.	2.3	130
163	Intracellular calcium chelation and pharmacological SERCA inhibition of Ca2+ pump in the insular cortex differentially affect taste aversive memory formation and retrieval. Neurobiology of Learning and Memory, 2011, 96, 192-198.	1.9	5

#	ARTICLE	IF	CITATIONS
164	Development of Novel Zn2+ Loaded Nanoparticles Designed for Cell-Type Targeted Drug Release in CNS Neurons: In Vitro Evidences. PLoS ONE, 2011, 6, e17851.	2.5	46
165	Sweet and Sour - Oxidative and Carbonyl Stress in Neurological Disorders. CNS and Neurological Disorders - Drug Targets, 2011, 10, 82-107.	1.4	27
166	A Step Further Towards Multitarget Drugs for Alzheimer and Neuronal Vascular Diseases: Targeting the Cholinergic System, Amyloid-β Aggregation and Ca2++ Dyshomeostasis. Current Medicinal Chemistry, 2011, 18, 552-576.	2.4	50
167	Evidence for Altered Numb Isoform Levels in Alzheimer's Disease Patients and a Triple Transgenic Mouse Model. Journal of Alzheimer's Disease, 2011, 24, 349-361.	2.6	14
168	Lipid peroxidation and neurodegenerative disease. Free Radical Biology and Medicine, 2011, 51, 1302-1319.	2.9	308
169	Aberrant subcellular neuronal calcium regulation in aging and Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 965-973.	4.1	105
170	High levels of synaptosomal Na+–Ca2+ exchangers (NCX1, NCX2, NCX3) co-localized with amyloid-beta in human cerebral cortex affected by Alzheimer's disease. Cell Calcium, 2011, 49, 208-216.	2.4	37
171	Amyloid \hat{I}^2 peptide oligomers directly activate NMDA receptors. Cell Calcium, 2011, 49, 184-190.	2.4	192
172	Activation of Protein Phosphatase 2B and Hyperphosphorylation of Tau in Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 23, 617-627.	2.6	37
173	Oxidative Stress and β-Amyloid Protein in Alzheimer's Disease. NeuroMolecular Medicine, 2011, 13, 223-250.	3.4	222
174	Early calcium dysregulation in Alzheimer's disease: setting the stage for synaptic dysfunction. Science China Life Sciences, 2011, 54, 752-762.	4.9	59
175	Proteomic analysis of brain proteins in APP/PSâ€1 human double mutant knockâ€in mice with increasing amyloid βâ€peptide deposition: Insights into the effects of in vivo treatment with ⟨i⟩N⟨/i⟩â€acetylcysteine as a potential therapeutic intervention in mild cognitive impairment and Alzheimer's disease. Proteomics. 2011. 11. 4243-4256.	2.2	39
176	Molecular reorganization of endocannabinoid signalling in Alzheimer's disease. Brain, 2011, 134, 1041-1060.	7.6	164
177	A Novel Perspective for Alzheimer's Disease: Vitamin D Receptor Suppression by Amyloid- \hat{l}^2 and Preventing the Amyloid- \hat{l}^2 Induced Alterations by Vitamin D in Cortical Neurons. Journal of Alzheimer's Disease, 2011, 23, 207-219.	2.6	154
178	Constitutive cAMP response element binding protein (CREB) activation by Alzheimer's disease presenilin-driven inositol trisphosphate receptor (InsP ₃ R) Ca ²⁺ signaling. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13293-13298.	7.1	79
179	Dysregulation of Ca ²⁺ signaling in astrocytes from mice lacking amyloid precursor protein. American Journal of Physiology - Cell Physiology, 2011, 300, C1502-C1512.	4.6	56
181	Wip1 phosphatase positively modulates dendritic spine morphology and memory processes through the p38MAPK signaling pathway. Cell Adhesion and Migration, 2012, 6, 333-343.	2.7	18
182	Improvement of learning performance of multi-layer perceptron by two different pulse glial networks. , 2012, , .		2

#	Article	IF	CITATIONS
183	Investigation of Multi-Layer Perceptron with propagation of glial pulse to two directions., 2012,,.		5
184	Reticulon Protein-1C: A New Hope in the Treatment of Different Neuronal Diseases. International Journal of Cell Biology, 2012, 2012, 1-9.	2.5	8
185	Extracellular Tau Levels Are Influenced by Variability in Tau That Is Associated with Tauopathies. Journal of Biological Chemistry, 2012, 287, 42751-42762.	3.4	144
186	Calcium Channel Blockers and Alzheimer's Disease: Potential Relevance in Treatment Strategies of Metabolic Syndrome. Journal of Alzheimer's Disease, 2012, 30, S269-S282.	2.6	31
187	Characterisation of element profile changes induced by long-term dietary supplementation of zinc in the brain and cerebellum of 3xTg-AD mice by alternated cool and normal plasma ICP-MS. Metallomics, 2012, 4, 1321.	2.4	9
188	Mechanistic involvement of the calpain alpastatin system in Alzheimer neuropathology. FASEB Journal, 2012, 26, 1204-1217.	0.5	82
189	Deficits in the mitochondrial enzyme α-ketoglutarate dehydrogenase lead to Alzheimer's disease-like calcium dysregulation. Neurobiology of Aging, 2012, 33, 1121.e13-1121.e24.	3.1	49
190	Dopamine D1 receptors regulate type 1 inositol 1,4,5â€trisphosphate receptor expression via both APâ€1†and NFATc4â€mediated transcriptional processes. Journal of Neurochemistry, 2012, 122, 702-713.	3.9	18
191	Imaging brain signal transduction and metabolism via arachidonic and docosahexaenoic acid in animals and humans. Brain Research Bulletin, 2012, 87, 154-171.	3.0	39
192	Alzheimer's Disease: Redox Dysregulation As a Common Denominator for Diverse Pathogenic Mechanisms. Antioxidants and Redox Signaling, 2012, 16, 974-1031.	5.4	163
193	Soluble forms of tau are toxic in Alzheimer's disease. Translational Neuroscience, 2012, 3, 223-233.	1.4	185
194	A large scale multivariate parallel ICA method reveals novel imaging–genetic relationships for Alzheimer's disease in the ADNI cohort. NeuroImage, 2012, 60, 1608-1621.	4.2	111
195	Sphingolipids: Critical players in Alzheimer's disease. Progress in Lipid Research, 2012, 51, 378-393.	11.6	143
196	NMR metabolomic investigation of astrocytes interacted with $A\hat{l}^242$ or its complexes with either copper(II) or zinc(II). Journal of Inorganic Biochemistry, 2012, 117, 326-333.	3.5	11
197	Multi-Layer Perceptron with positive and negative pulse glial chain for solving two-spirals problem. , 2012, , .		11
198	Activation of PARP by Oxidative Stress Induced by β-Amyloid: Implications for Alzheimer's Disease. Neurochemical Research, 2012, 37, 2589-2596.	3.3	66
199	Some Commonly Used Brominated Flame Retardants Cause Ca2+-ATPase Inhibition, Beta-Amyloid Peptide Release and Apoptosis in SH-SY5Y Neuronal Cells. PLoS ONE, 2012, 7, e33059.	2.5	79
200	Bioinorganic Chemistry of Alzheimer's Disease. Chemical Reviews, 2012, 112, 5193-5239.	47.7	581

#	Article	IF	CITATIONS
201	Modulation of transient receptor potential melastatin related 7 channel by presenilins. Developmental Neurobiology, 2012, 72, 865-877.	3.0	21
202	Towards Alzheimer's root cause: ECSIT as an integrating hub between oxidative stress, inflammation and mitochondrial dysfunction. BioEssays, 2012, 34, 532-541.	2.5	43
203	Implications of protein structure instability: From physiological to pathological secondary structure. Biopolymers, 2012, 97, 577-588.	2.4	12
204	SorLA in Glia: Shared Subcellular Distribution Patterns with Caveolin-1. Cellular and Molecular Neurobiology, 2012, 32, 409-421.	3.3	10
205	Neuromodulatory Propensity of Bacopa monnieri Leaf Extract Against 3-Nitropropionic Acid-Induced Oxidative Stress: In Vitro and In Vivo Evidences. Neurotoxicity Research, 2012, 22, 102-114.	2.7	47
206	Amyloid beta peptide 1–42 disturbs intracellular calcium homeostasis through activation of GluN2B-containing N-methyl-d-aspartate receptors in cortical cultures. Cell Calcium, 2012, 51, 95-106.	2.4	160
207	The renaissance of Ca2+-binding proteins in the nervous system: secretagogin takes center stage. Cellular Signalling, 2012, 24, 378-387.	3.6	59
208	Abnormal gray matter aging in chronic pain patients. Brain Research, 2012, 1456, 82-93.	2.2	74
209	Recent advances in the multitargetâ€directed ligands approach for the treatment of Alzheimer's disease. Medicinal Research Reviews, 2013, 33, 139-189.	10.5	394
210	Treadmill exercise represses neuronal cell death and inflammation during $A\hat{I}^2$ -induced ER stress by regulating unfolded protein response in aged presenilin 2 mutant mice. Apoptosis: an International Journal on Programmed Cell Death, 2013, 18, 1332-1347.	4.9	100
211	Afobazole Activation of <i>i f </i> -1 Receptors Modulates Neuronal Responses to Amyloid- <i> î²</i> _{25–35} . Journal of Pharmacology and Experimental Therapeutics, 2013, 347, 468-477.	2.5	40
212	Beta Amyloid Suppresses the Expression of the Vitamin D Receptor Gene and Induces the Expression of the Vitamin D Catabolic Enzyme Gene in Hippocampal Neurons. Dementia and Geriatric Cognitive Disorders, 2013, 36, 76-86.	1.5	29
213	Longâ€term <scp>A</scp> β exposure augments m <scp>C</scp> a ²⁺ â€independent m <scp>ROS</scp> â€mediated depletion of cardiolipin for the shift of a lethal transient mitochondrial permeability transition to its permanent mode in <scp>NARP</scp> cybrids: a protective targeting of melatonin. Journal of Pineal Research, 2013, 54, 107-125.	7.4	22
214	The control of brain mitochondrial energization by cytosolic calcium: The mitochondrial gas pedal. IUBMB Life, 2013, 65, 180-190.	3.4	57
215	Potential therapeutic applications of differentiated induced pluripotent stem cells (iPSCs) in the treatment of neurodegenerative diseases. Neuroscience, 2013, 228, 47-59.	2.3	16
216	Investigation of four-layer multi-layer perceptron with glia connections of hidden-layer neurons. , 2013, , .		0
217	Vitamin D inquiry in hippocampal neurons: consequences of vitamin D-VDR pathway disruption on calcium channel and the vitamin D requirement. Neurological Sciences, 2013, 34, 1453-1458.	1.9	69
218	Altered Expression of RNA Splicing Proteins in Alzheimer's Disease Patients: Evidence from Two Microarray Studies. Dementia and Geriatric Cognitive Disorders Extra, 2013, 3, 74-85.	1.3	24

#	Article	IF	CITATIONS
219	Oxidative Stress and Neurodegenerative Disorders. International Journal of Molecular Sciences, 2013, 14, 24438-24475.	4.1	332
220	A Ca2+-dependent Mechanism of Neuronal Survival Mediated by the Microtubule-associated Protein p600. Journal of Biological Chemistry, 2013, 288, 24452-24464.	3.4	48
221	CREB regulates the expression of neuronal glucose transporter 3: a possible mechanism related to impaired brain glucose uptake in Alzheimer's disease. Nucleic Acids Research, 2013, 41, 3240-3256.	14.5	55
222	Impairment of Long-Term Potentiation in Alzheimer's Disease: A computational study based on tripartite synapse structure., 2013,,.		1
223	Multi-Layer Perceptron including glial pulse and switching between learning and non-learning. , 2013, , .		4
224	Endogenous expression of FAD-linked PS1 impairs proliferation, neuronal differentiation and survival of adult hippocampal progenitors. Molecular Neurodegeneration, 2013, 8, 41.	10.8	15
225	Regulatory Mechanisms and Pathophysiological Significance of IP3 Receptors and Ryanodine Receptors in Drug Dependence. Journal of Pharmacological Sciences, 2013, 123, 306-311.	2.5	8
226	Tau Causes Synapse Loss without Disrupting Calcium Homeostasis in the rTg4510 Model of Tauopathy. PLoS ONE, 2013, 8, e80834.	2.5	38
227	Cytosolic Calcium Homeostasis in Neurons $\hat{a}\in$ " Control Systems, Modulation by Reactive Oxygen and Nitrogen Species, and Space and Time Fluctuations. , 2014, , .		4
228	Computational study of the role of calcium in late long-term potentiation induction on the basis of tripartite synapse structure. , 2014 , , .		3
229	Dimerization of Peptides by Calcium Ions: Investigation of a Calcium-Binding Motif. International Journal of Proteomics, 2014, 2014, 1-8.	2.0	6
230	Nonamyloid PET biomarkers and Alzheimer's disease: current and future perspectives. Future Neurology, 2014, 9, 597-613.	0.5	3
231	Self organizing neuro-glial network, SONG-Net. , 2014, , .		2
232	Network-wide dysregulation of calcium homeostasis in Alzheimer's disease. Cell and Tissue Research, 2014, 357, 427-438.	2.9	63
233	β-Amyloid-evoked Apoptotic Cell Death is Mediated Through MKK6–p66shc Pathway. NeuroMolecular Medicine, 2014, 16, 137-149.	3.4	22
234	Stem cell derived basal forebrain cholinergic neurons from Alzheimer's disease patients are more susceptible to cell death. Molecular Neurodegeneration, 2014, 9, 3.	10.8	134
235	Role of hydrogen sulfide in secondary neuronal injury. Neurochemistry International, 2014, 64, 37-47.	3.8	100
236	Why Vitamin D in Alzheimer's Disease? The Hypothesis. Journal of Alzheimer's Disease, 2014, 40, 257-269.	2.6	81

#	Article	IF	CITATIONS
237	Involvement of TRPV4 channels in A $\hat{1}^2$ 40-induced hippocampal cell death and astrocytic Ca2+ signalling. NeuroToxicology, 2014, 41, 64-72.	3.0	57
238	Thapsigargin affects presenilin-2 but not presenilin-1 regulation in SK-N-BE cells. Experimental Biology and Medicine, 2014, 239, 213-224.	2.4	1
239	Calcium regulation and Alzheimer's disease. Asian Pacific Journal of Tropical Disease, 2014, 4, S513-S518.	0.5	11
240	When astrocytes become harmful: Functional and inflammatory responses that contribute to Alzheimer's disease. Ageing Research Reviews, 2014, 18, 29-40.	10.9	91
241	Tracking neuroinflammation in Alzheimer's disease: the role of positron emission tomography imaging. Journal of Neuroinflammation, 2014, 11, 120.	7.2	89
242	Nicotinic acetylcholine receptors regulate type 1 inositol 1,4,5-trisphosphate receptor expression via calmodulin kinase IV activation. Journal of Neuroscience Research, 2015, 93, 660-665.	2.9	8
243	4-Hydroxy-nonenalâ€"A Bioactive Lipid Peroxidation Product. Biomolecules, 2015, 5, 2247-2337.	4.0	160
244	Microglial cell dysregulation in brain aging and neurodegeneration. Frontiers in Aging Neuroscience, 2015, 7, 124.	3.4	421
245	A Novel 1,4-Dihydropyridine Derivative Improves Spatial Learning and Memory and Modifies Brain Protein Expression in Wild Type and Transgenic APPSweDI Mice. PLoS ONE, 2015, 10, e0127686.	2.5	10
246	The Impact of Vitamin D3Supplementation on Mechanisms of Cell Calcium Signaling in Chronic Kidney Disease. BioMed Research International, 2015, 2015, 1-12.	1.9	4
247	Multi-layer perceptron with pulse glial chain having oscillatory excitation threshold., 2015,,.		0
248	Acute ER stress regulates amyloid precursor protein processing through ubiquitin-dependent degradation. Scientific Reports, 2015, 5, 8805.	3.3	48
249	Regional Increase in the Expression of the BCAT Proteins in Alzheimer's Disease Brain: Implications in Glutamate Toxicity. Journal of Alzheimer's Disease, 2015, 45, 891-905.	2.6	28
250	IRE1 prevents endoplasmic reticulum membrane permeabilization and cell death under pathological conditions. Science Signaling, 2015, 8, ra62.	3.6	36
251	Analysis of calretinin early expression in the rat hippocampus after beta amyloid (1–42) peptide injection. Brain Research, 2015, 1610, 89-97.	2.2	8
252	Pathophysiological Role of Peroxynitrite Induced DNA Damage in Human Diseases: A Special Focus on Poly(ADP-ribose) Polymerase (PARP). Indian Journal of Clinical Biochemistry, 2015, 30, 368-385.	1.9	49
253	Transcriptional and post-transcriptional regulation of transmembrane protein 132A. Molecular and Cellular Biochemistry, 2015, 405, 291-299.	3.1	7
254	Calmodulin Binding Proteins and Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 46, 553-569.	2.6	52

#	Article	IF	CITATIONS
255	The twenty-four KDa C-terminal tau fragment increases with aging in tauopathy mice: implications of prion-like properties. Human Molecular Genetics, 2015, 24, 6403-6416.	2.9	50
256	Current approaches to enhance glutamate transporter function and expression. Journal of Neurochemistry, 2015, 134, 982-1007.	3.9	121
257	Ca ²⁺ Interacts with Glu-22 of Aβ(1–42) and Phospholipid Bilayers to Accelerate the Aβ(1–42) Aggregation Below the Critical Micelle Concentration. Biochemistry, 2015, 54, 6323-6332.	2.5	17
258	Astrocyte-mediated metaplasticity in the hippocampus: Help or hindrance?. Neuroscience, 2015, 309, 113-124.	2.3	25
259	In vitro validation of effects of BDNF-expressing mesenchymal stem cells on neurodegeneration in primary cultured neurons of APP/PS1 mice. Neuroscience, 2015, 307, 37-50.	2.3	29
260	Hexanal-induced changes in miRNA-mRNA interactions in A549 human alveolar epithelial cells. Toxicology and Environmental Health Sciences, 2015, 7, 143-159.	2.1	5
261	A highly sensitive assay of IRE1 activity using the small luciferase NanoLuc: Evaluation of ALS-related genetic and pathological factors. Biochemical and Biophysical Research Communications, 2015, 463, 881-887.	2.1	18
262	Altered levels of brain neurotransmitter from new born rabbits with intrauterine restriction. Neuroscience Letters, 2015, 584, 60-65.	2.1	15
263	Oncostatin M promotes excitotoxicity by inhibiting glutamate uptake in astrocytes: implications in HIV-associated neurotoxicity. Journal of Neuroinflammation, 2016, 13, 144.	7.2	33
264	Network Topology Analysis of Post-Mortem Brain Microarrays Identifies More Alzheimer's Related Genes and MicroRNAs and Points to Novel Routes for Fighting with the Disease. PLoS ONE, 2016, 11, e0144052.	2.5	25
265	Calcium-Sensing Receptors of Human Neural Cells Play Crucial Roles in Alzheimer's Disease. Frontiers in Physiology, 2016, 7, 134.	2.8	35
266	Expression of familial <scp>A</scp> lzheimer disease presenilin 1 gene attenuates vesicle traffic and reduces peptide secretion in cultured astrocytes devoid of pathologic tissue environment. Glia, 2016, 64, 317-329.	4.9	53
267	Performance Metrics for Selecting Single Nucleotide Polymorphisms in Late-onset Alzheimer's Disease. Scientific Reports, 2016, 6, 36155.	3.3	17
268	Multi-Layer Perceptron with Pulse Clial Chain. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 742-755.	0.3	3
269	Xenon-mediated neuroprotection in response to sustained, low-level excitotoxic stress. Cell Death Discovery, 2016, 2, 16018.	4.7	27
270	Signaling pathways regulating neuron–glia interaction and their implications in Alzheimer's disease. Journal of Neurochemistry, 2016, 136, 475-491.	3.9	59
271	Crosstalk pathway inference using topological information and biclustering of gene expression data. BioSystems, 2016, 150, 1-12.	2.0	6
272	NLRP3 inflammasome signaling is activated by low-level lysosome disruption but inhibited by extensive lysosome disruption: roles for K ⁺ efflux and Ca ²⁺ influx. American Journal of Physiology - Cell Physiology, 2016, 311, C83-C100.	4.6	102

#	Article	IF	CITATIONS
273	Neuroprotective effect of synthetic chalcone derivatives as competitive dual inhibitors against \hat{l} /4-calpain and cathepsin B through the downregulation of tau phosphorylation and insoluble \hat{Al}^2 peptide formation. European Journal of Medicinal Chemistry, 2016, 121, 433-444.	5.5	26
274	Region-specific changes in the distribution of transient receptor potential vanilloid 4 channel (TRPV4) in the central nervous system of Alzheimer's disease model mice. Genes and Genomics, 2016, 38, 629-637.	1.4	5
275	TRPC Channels: Prominent Candidates of Underlying Mechanism in Neuropsychiatric Diseases. Molecular Neurobiology, 2016, 53, 631-647.	4.0	28
276	Astrocytic face of Alzheimer's disease. Behavioural Brain Research, 2017, 322, 250-257.	2.2	27
278	Amyloid-beta peptide decreases expression and function of glutamate transporters in nervous system cells. International Journal of Biochemistry and Cell Biology, 2017, 85, 75-84.	2.8	25
279	Genetically Encoded Calcium Indicators as Probes to Assess the Role of Calcium Channels in Disease and for High-Throughput Drug Discovery. Advances in Pharmacology, 2017, 79, 141-171.	2.0	25
280	The double-edged role of copper in the fate of amyloid beta in the presence of anti-oxidants. Chemical Science, 2017, 8, 6155-6164.	7.4	20
281	Astrocytes and synaptic plasticity in health and disease. Experimental Brain Research, 2017, 235, 1645-1655.	1.5	65
282	Low-dose non-targeted radiation effects in human esophageal adenocarcinoma cell lines. International Journal of Radiation Biology, 2017, 93, 165-173.	1.8	3
283	Neuroprotective Effects of Macrovipera lebetina Snake Venom in the Model of Alzheimer's Disease. Neurophysiology, 2017, 49, 412-423.	0.3	3
284	Calcium Dynamics Mediated by the Endoplasmic/Sarcoplasmic Reticulum and Related Diseases. International Journal of Molecular Sciences, 2017, 18, 1024.	4.1	59
285	Molecular Mechanisms of Synaptic Plasticity and Memory and ÂTheir Dysfunction in Alzheimer's Disease $\hat{a}^{-}1$., 2017,, 65-135.		1
286	Calpain I Activation Causes GLUT3 Proteolysis and Downregulation of O-GlcNAcylation in Alzheimer's Disease Brain. Journal of Alzheimer's Disease, 2018, 62, 1737-1746.	2.6	23
287	Neuroprotective Effects of Phenolic and Carboxylic Acids on Oxidative Stress-Induced Toxicity in Human Neuroblastoma SH-SY5Y Cells. Neurochemical Research, 2018, 43, 619-636.	3.3	63
288	Impact of diet-induced obesity on the mouse brain phosphoproteome. Journal of Nutritional Biochemistry, 2018, 58, 102-109.	4.2	22
289	Calcium Signaling Deficits in Glia and Autophagic Pathways Contributing to Neurodegenerative Disease. Antioxidants and Redox Signaling, 2018, 29, 1158-1175.	5.4	40
290	Drugs to Alter Extracellular Concentration of Glutamate: Modulators of Glutamate Uptake Systems. Neuromethods, 2018, , 169-225.	0.3	1
291	Modeling the Alterations in Calcium Homeostasis in the Presence of Protein and VGCC for Alzheimeric Cell. Advances in Intelligent Systems and Computing, 2018, , 181-189.	0.6	6

#	Article	IF	Citations
292	New Insights into the Spontaneous Human Alzheimer's Disease-Like Model Octodon degus: Unraveling Amyloid-l² Peptide Aggregation and Age-Related Amyloid Pathology. Journal of Alzheimer's Disease, 2018, 66, 1145-1163.	2.6	21
293	The total alkaloids from Coptis chinensis Franch improve cognitive deficits in type 2 diabetic rats. Drug Design, Development and Therapy, 2018, Volume 12, 2695-2706.	4.3	20
294	Integrated bioinformatic analysis unveils significant genes and pathways in the pathogenesis of supratentorial primitive neuroectodermal tumor. OncoTargets and Therapy, 2018, Volume 11, 1849-1859.	2.0	3
295	Integrating multi-source information on a single network to detect disease-related clusters of molecular mechanisms. Journal of Proteomics, 2018, 188, 15-29.	2.4	37
296	Reactive Astrocytes as Drug Target in Alzheimer's Disease. BioMed Research International, 2018, 2018, 1-10.	1.9	45
297	Lipophilic antioxidants in neurodegenerative diseases. Clinica Chimica Acta, 2018, 485, 79-87.	1.1	46
298	Molecular Bases of Alzheimer's Disease and Neurodegeneration: The Role of Neuroglia. , 2018, 9, 1134.		31
299	The machineries, regulation and cellular functions of mitochondrial calcium. Nature Reviews Molecular Cell Biology, 2018, 19, 713-730.	37.0	516
300	Noradrenergic Hypothesis Linking Neurodegeneration-Based Cognitive Decline and Astroglia. Frontiers in Molecular Neuroscience, 2018, 11, 254.	2.9	39
301	Neuronal calcineurin transcriptional targets parallel changes observed in Alzheimer disease brain. Journal of Neurochemistry, 2018, 147, 24-39.	3.9	14
302	Design and Applications of Small Molecular Probes for Calcium Detection. Chemistry - an Asian Journal, 2019, 14, 4493-4505.	3.3	21
303	Biological, Diagnostic and Therapeutic Advances in Alzheimer's Disease. , 2019, , .		6
304	Mitochondrial fragmentation and network architecture in degenerative diseases. PLoS ONE, 2019, 14, e0223014.	2.5	23
305	Developmental Aspects of Glucose and Calcium Availability on the Persistence of Memory Function Over the Lifespan. Frontiers in Aging Neuroscience, 2019, 11, 253.	3.4	7
306	Calcium Signaling and Finite Element Technique. , 2019, , .		0
307	N/OFQ-NOP System in Peripheral and Central Immunomodulation. Handbook of Experimental Pharmacology, 2019, 254, 297-311.	1.8	2
308	Molecular Mechanisms and Genetics of Oxidative Stress in Alzheimer's Disease. Journal of Alzheimer's Disease, 2019, 72, 981-1017.	2.6	115
309	Regulation of Diabetes: a Therapeutic Strategy for Alzheimer's Disease?. Journal of Korean Medical Science, 2019, 34, e297.	2.5	8

#	Article	IF	CITATIONS
310	Editorial: Mitochondrial Dysfunction and Neurodegeneration. Frontiers in Neuroscience, 2019, 13, 1372.	2.8	22
311	Emerging pathways to neurodegeneration: Dissecting the critical molecular mechanisms in Alzheimer's disease, Parkinson's disease. Biomedicine and Pharmacotherapy, 2019, 111, 765-777.	5.6	88
312	Recent therapeutic strategies targeting beta amyloid and tauopathies in Alzheimer's disease. Brain Research Bulletin, 2019, 146, 171-184.	3.0	70
313	Approximation of Calcium Diffusion in Alzheimeric Cell. Journal of Multiscale Modeling, 2020, 11, .	1.1	8
314	Oxidative stress in alzheimer's disease: A review on emergent natural polyphenolic therapeutics. Complementary Therapies in Medicine, 2020, 49, 102294.	2.7	151
315	Electrophysiological and Imaging Calcium Biomarkers of Aging in Male and Female 5×FAD Mice. Journal of Alzheimer's Disease, 2020, 78, 1419-1438.	2.6	5
316	Exploring the Potential of Therapeutic Agents Targeted towards Mitigating the Events Associated with Amyloid-β Cascade in Alzheimer's Disease. International Journal of Molecular Sciences, 2020, 21, 7443.	4.1	33
317	Effect specificity of the early intervention with moxibustion at "BL23―in Alzheimer's disease rats modeled by ovariectomy and D-Galactose injection 艾ç¸â€œè,¾ä¿žâ€æ—©æœŸå¹²é¢"去åµå·¢å•̂D-åŠä¹³ç³- Acupuncture-moxibustion, 2020, 30, 277-284.	-æ9:'å°,,A[)æiå§é¼æ
318	Older, non-demented apolipoprotein ε4 carrier males show hyperactivation and structural differences in odor memory regions: a blood-oxygen-level-dependent and structural magnetic resonance imaging study. Neurobiology of Aging, 2020, 93, 25-34.	3.1	4
319	PathWalks: identifying pathway communities using a disease-related map of integrated information. Bioinformatics, 2020, 36, 4070-4079.	4.1	7
320	Therapeutic potential of pharmacological agents targeting TRP channels in CNS disorders. Pharmacological Research, 2020, 159, 105026.	7.1	31
321	Brain lipid peroxidation and alzheimer disease: Synergy between the Butterfield and Mattson laboratories. Ageing Research Reviews, 2020, 64, 101049.	10.9	45
322	Transport of Glucose by the Plasma Membrane Affects the Removal and Concentration of Ca2+ at Rest in Neurons – Implications of a Condition Prior to Alzheimer's Disease?. Neuroscience, 2020, 431, 52-63.	2.3	3
323	Alzheimer's disease: targeting the glutamatergic system. Biogerontology, 2020, 21, 257-274.	3.9	96
324	Astaxanthin Protects PC12 Cells against Homocysteine- and Glutamate-Induced Neurotoxicity. Molecules, 2020, 25, 214.	3.8	14
325	Emerging Moonlighting Functions of the Branched-Chain Aminotransferase Proteins. Antioxidants and Redox Signaling, 2021, 34, 1048-1067.	5.4	9
326	Expression Analysis of 4-Hydroxynonenal Modified Proteins in Schizophrenia Brain; Relevance to Involvement in Redox Dysregulation. Current Proteomics, 2022, 19, 102-113.	0.3	2
327	Neurotoxicity: A Complex Multistage Process Involving Different Mechanisms. , 2021, , 1-17.		0

#	Article	IF	CITATIONS
328	Proteomic Profiling of Cerebrum Mitochondria, Myelin Sheath, and Synaptosome Revealed Mitochondrial Damage and Synaptic Impairments in Association with 3 × Tgâ€AD Mice Model. Cellular Molecular Neurobiology, 2022, 42, 1745-1763.	and and	9
329	Serum Calcium Level as a Useful Surrogate for Risk of Elevated Intraocular Pressure. Journal of Clinical Medicine, 2021, 10, 1839.	2.4	2
330	The role of Bcl-2 proteins in modulating neuronal Ca2+ signaling in health and in Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118997.	4.1	31
331	Mitochondrial Dysfunction in Alzheimer's Disease: Opportunities for Drug Development. Current Neuropharmacology, 2022, 20, 675-692.	2.9	29
332	2D finite element estimation of calcium diffusion in Alzheimer's affected neuron. Network Modeling Analysis in Health Informatics and Bioinformatics, 2021, 10, 1.	2.1	8
333	Tranilast, a Transient Receptor Potential Vanilloid 2 Channel (TRPV2) Inhibitor Attenuates Amyloid Î ² -Induced Cognitive Impairment: Possible Mechanisms. NeuroMolecular Medicine, 2022, 24, 183-194.	3.4	12
334	The PI3K/Akt signaling axis in Alzheimer's disease: a valuable target to stimulate or suppress?. Cell Stress and Chaperones, 2021, 26, 871-887.	2.9	71
335	Proteomic landscape of Alzheimer's Disease: novel insights into pathogenesis and biomarker discovery. Molecular Neurodegeneration, 2021, 16, 55.	10.8	95
336	Exploring ER stress response in cellular aging and neuroinflammation in Alzheimer's disease. Ageing Research Reviews, 2021, 70, 101417.	10.9	43
337	Aging-Dependent Mitophagy Dysfunction in Alzheimer's Disease. Molecular Neurobiology, 2021, 58, 2362-2378.	4.0	25
338	The Aβcentric Pathway of Alzheimer's Disease. , 2007, , 5-36.		1
339	Toxicity of Protein and DNA-AGEs in Neurodegenerative Diseases (NDDs) with Decisive Approaches to Stop the Deadly Consequences. Environmental Science and Engineering, 2017, , 99-124.	0.2	5
340	Oxidative Stress in Alzheimer's Disease: Molecular Hallmarks of Underlying Vulnerability. , 2019, , 91-115.		26
342	Protective effect of the aerial parts of Silybum marianum against amyloid \hat{l}^2 protein (25-35)-induced neuronal death in cultured neurons. Journal of Biomedical Translational Research, 2016, 17, 109-114.	0.1	1
343	Microarray Analysis on Human Neuroblastoma Cells Exposed to Aluminum, β1–42-Amyloid or the β1–42-Amyloid Aluminum Complex. PLoS ONE, 2011, 6, e15965.	2.5	28
344	Memantine Attenuates Alzheimer's Disease-Like Pathology and Cognitive Impairment. PLoS ONE, 2015, 10, e0145441.	2.5	20
345	Protective Effects of Proline–Rich Peptide in a Rat Model of Alzheimer Disease: An Electrophysiological Study. Basic and Clinical Neuroscience, 2017, 8, 5-12.	0.6	2
346	Calpain-calcineurin signaling in the pathogenesis of calcium-dependent disorder. Acta Medica Okayama, 2007, 61, 123-37.	0.2	47

#	Article	IF	Citations
347	4-Hydroxynonenal in the Pathogenesis and Progression of Human Diseases. Current Medicinal Chemistry, 2013, 21, 230-237.	2.4	140
348	Calcium-Sensing Receptors of Human Astrocyte-Neuron Teams: Amyloid-β-Driven Mediators and Therapeutic Targets of Alzheimer's Disease. Current Neuropharmacology, 2014, 12, 353-364.	2.9	29
349	Possible Role of Heme Oxygenase-1 and Prostaglandins in the Pathogenesis of Cerebral Malaria: Heme Oxygenase-1 Induction by Prostaglandin D2 and Metabolite by a Human Astrocyte Cell Line. Korean Journal of Parasitology, 2010, 48, 15.	1.3	10
350	Microtubule modification influences cellular response to amyloid- \hat{l}^2 exposure. AIMS Biophysics, 2016, 3, 261-285.	0.6	8
351	Oxidative stress in neurodegenerative diseases. Neural Regeneration Research, 2012, 7, 376-85.	3.0	328
352	ER Stress Signaling in Alzheimer's Disease. Advances in Medical Diagnosis, Treatment, and Care, 2020, , 180-211.	0.1	1
353	Endoplasmic reticulum calcium signaling in nerve cells. Biological Research, 2004, 37, 693-9.	3.4	51
354	Komatsuna Seed Extracts Protection Against Amyloid $\hat{l}^2(1-42)$ -Induced Neuronal Cell Death. Journal of Diabetes & Metabolism, 2014, 05, .	0.2	1
355	Role of Trace Elements Alzheimer's Disease. Open Access Library Journal (oalib), 2014, 01, 1-30.	0.2	1
356	In Vitro Studies on Therapeutic Effects of Cannabidiol in Neural Cells: Neurons, Glia, and Neural Stem Cells. Molecules, 2021, 26, 6077.	3.8	12
357	The Disposition of Lipid-Derived Carbonyls in Alzheimer's Disease. Oxidative Stress and Disease, 2005, , 181-197.	0.3	0
358	The AmyloidProtein and Alzheimer's Disease. Frontiers in Neuroscience, 2012, , 1-85.	0.0	0
359	Calcium Dyshomeostasis in White Matter Injury. , 2014, , 433-460.		0
360	Contribution of Dietary Carbohydrates in Induction of Oxidative Stress., 2014,, 237-261.		0
361	Neurotoxicity: A Complex Multistage Process Involving Different Mechanisms. , 2014, , 1525-1541.		1
362	Upregulation of PP1 Expression in Hippocampus Impairs Long-term Spatial Memory in Rats. British Journal of Medicine and Medical Research, 2014, 4, 3220-3230.	0.2	0
363	Neuro-Glial Interaction: SONG-Net. Lecture Notes in Computer Science, 2015, , 619-626.	1.3	3
364	Calcium Transport across Plasma Membrane in Early Stages of Chronic Kidney Disease – Impact of Vitamin D3 Supplementation. Journal of Kidney, 2015, 01, .	0.0	2

#	Article	IF	CITATIONS
366	Study of Calcium Distribution in Alzheimer's Disease Using Finite Element Technique. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2019, 9, 35-41.	0.2	1
367	Papel dos canais iônicos na Doença de Alzheimer. Revista Neurociencias, 2009, 17, 141-145.	0.0	0
368	Ethyl 2‑anilino‑4‑oxo‑4,5‑dihydrofuran‑3‑carboxylate exhibits anti‑proliferative activity and inducapoptosis in promyelocytic leukemia HL‑60 cells. Oncology Letters, 2020, 19, 2397-2403.	ces 1.8	1
370	Unraveling Aβ-Mediated Multi-Pathway Calcium Dynamics in Astrocytes: Implications for Alzheimer's Disease Treatment From Simulations. Frontiers in Physiology, 2021, 12, 767892.	2.8	8
371	Neurons and Plasticity: What Do Glial Cells Have to Do with This?. Brain Informatics and Health, 2020, , 13-46.	0.4	0
372	Delineation of Neuroprotective Effects and Possible Benefits of AntioxidantsTherapy for the Treatment of Alzheimer's Diseases by Targeting Mitochondrial-Derived Reactive Oxygen Species: Bench to Bedside. Molecular Neurobiology, 2022, 59, 657-680.	4.0	26
373	Signaling Mechanisms that Mediate A \hat{l}^2 Induced Neuronal Dysfunction. , 0, , 133-150.		0
375	Par-4 in Neuronal Death and Survival in Alzheimer's Disease and Other Neurogenerative Diseases. , 2021, , 215-245.		1
376	Analysis Of Calcium-Dependent Processes In Nerve Cells. The American Journal of Applied Sciences, 2020, 02, 53-62.	0.1	0
377	Structural Plasticity of the Hippocampus in Neurodegenerative Diseases. International Journal of Molecular Sciences, 2022, 23, 3349.	4.1	34
379	TRPV1 Modulator Ameliorates Alzheimer-Like Amyloid-β Neuropathology via Akt/Gsk3β-Mediated Nrf2 Activation in the Neuro-2a/APP Cell Model. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-15.	4.0	1
380	Unveiling the Potential of Polyphenols as Anti-Amyloid Molecules in Alzheimer's Disease. Current Neuropharmacology, 2023, 21, 787-807.	2.9	1
381	Neurotoxicity: A Complex Multistage Process Involving Different Mechanisms. , 2022, , 3-19.		0
382	Aberrant protein S-nitrosylation contributes to hyperexcitability-induced synaptic damage in Alzheimer's disease: Mechanistic insights and potential therapies. Frontiers in Neural Circuits, 0, 17, .	2.8	4
383	Structure and elasticity of healthy and Alzheimer's disease cell membranes revealed by molecular dynamics simulations. Proteins: Structure, Function and Bioinformatics, 0, , .	2.6	1
385	Astrocytes' innate role in neurodegenerative disorders. Bulletin of the National Research Centre, 2023, 47, .	1.8	2
386	Role of phospholipase A2 and glutamate in Alzheimer's disease. , 2023, , 321-330.		0
387	Oxidative damage in neurodegeneration: roles in the pathogenesis and progression of Alzheimer disease. Physiological Reviews, 2024, 104, 103-197.	28.8	3

#	Article	IF	CITATIONS
388	Neuronal and astrocyte NCX isoform/splice variants: How do they participate in Na+ and Ca2+ signalling?. Cell Calcium, 2023, , 102818.	2.4	0
389	Current biomarkers and treatment strategies in Alzheimer disease: An overview and future perspectives. IBRO Neuroscience Reports, 2024, 16, 8-42.	1.6	2
390	Mechanisms of Activation of Brain's Drainage during Sleep: The Nightlife of Astrocytes. Cells, 2023, 12, 2667.	4.1	2
391	Mind Gaps and Bone Snaps: Exploring the Connection Between Alzheimer's Disease and Osteoporosis. Current Osteoporosis Reports, 0, , .	3.6	4
392	Magnesium ions and dementia. Journal of Neurorestoratology, 2024, 12, 100094.	2.5	0