Four-Hydroxynonenal, a Product of Lipid Peroxidation, Alzheimerâ€s Disease

Neurobiology of Aging

19, 33-36

DOI: 10.1016/s0197-4580(98)00009-8

Citation Report

#	Article	IF	Citations
1	The Expression of Key Oxidative Stress-Handling Genes in Different Brain Regions in Alzheimer's Disease. Journal of Molecular Neuroscience, 1998, 11, 151-164.	1.1	117
2	Temporal Relations Among Amyloid Î²-Peptide-Induced Free-Radical Oxidative Stress, Neuronal Toxicity, and Neuronal Defensive Responses. Journal of Molecular Neuroscience, 1998, 11, 183-198.	1.1	55
3	Regional levels of brain phospholipase CÎ³ in Alzheimer's disease. Brain Research, 1998, 811, 161-165.	1.1	14
4	Glutathione transferase protects neuronal cultures against four hydroxynonenal toxicity. Free Radical Biology and Medicine, 1998, 25, 979-988.	1.3	72
5	Four-Hydroxynonenal, a Product of Lipid Peroxidation, is Increased in the Brain in Alzheimerâ€™s Disease. Neurobiology of Aging, 1998, 19, 33-36.	1.5	653
6	Neurodegeneration and Aging of the Central Nervous System. Integrative Medicine: Integrating Conventional and Alternative Medicine, 1998, 1, 117-133.	0.1	9
7	Vitamin E Supplementation Decreases Autoantibodies to Oxidized Lipid-Protein Complexes. Journal of Medicinal Food, 1998, 1, 247-251.	0.8	7
8	Decreased glutathione transferase activity in brain and ventricular fluid in Alzheimer's disease. Neurology, 1998, 51, 1562-1566.	1.5	257
9	Vitamin Î• as an Antioxidant/Free Radical Scavenger Against Amyloid Î²-Peptide-Induced Oxidative Stress in Neocortical Synaptosomal Membranes and Hippocampal Neurons in Culture: Insights into Alzheimer's Disease. Reviews in the Neurosciences, 1999, 10, 141-9.	1.4	84
10	Increased DNA Oxidation and Decreased Levels of Repair Products in Alzheimer's Disease Ventricular CSF. Journal of Neurochemistry, 1999, 72, 771-776.	2.1	254
11	Plasma levels of 8-epiPGF2Î±, an in vivo marker of oxidative stress, are not affected by aging or Alzheimerâ€™s disease. Free Radical Biology and Medicine, 1999, 27, 463-469.	1.3	86
12	Microglial-neuronal interactions in synaptic damage and recovery. Journal of Neuroscience Research, 1999, 58, 191-201.	1.3	153
13	4-hydroxynonenal increases neuronal susceptibility to oxidative stress. , 1999, 58, 823-830.		50
14	A unifying hypothesis of Alzheimer's disease. II. Pathophysiological processes. Human Psychopharmacology, 1999, 14, 525-581.	0.7	27
15	Methionine residue 35 is important in amyloid Î²-peptide-associated free radical oxidative stress. Brain Research Bulletin, 1999, 50, 133-141.	1.4	166
16	Discussion. Neurobiology of Aging, 1999, 20, 325-330.	1.5	316
17	Apolipoprotein E: A pharmacogenetic target for the treatment of Alzheimer's disease*. Molecular Diagnosis and Therapy, 1999, 4, 335-341.	1.3	38
18	The Magnitude of Brain Lipid Peroxidation Correlates with the Extent of Degeneration but Not with Density of Neuritic Plaques or Neurofibrillary Tangles or with APOE Genotype in Alzheimer's Disease Patients. American Journal of Pathology, 1999, 155, 863-868.	1.9	108

#	Article	IF	Citations
19	4-Hydroxynonenal As a Biological Signal: Molecular Basis and Pathophysiological Implications. Antioxidants and Redox Signaling, 1999, 1, 255-284.	2.5	237
20	Involvement of Oxidative Stress on the Impairment of Energy Metabolism Induced by AÎ² Peptides on PC12 Cells: Protection by Antioxidants. Neurobiology of Disease, 1999, 6, 209-219.	2.1	151
21	Evaluation of Serum-Lipid-Related Cardiovascular Risk Factors in Alzheimerâ€™s Disease. Dementia and Geriatric Cognitive Disorders, 1999, 10, 488-493.	0.7	28
22	4-Hydroxy-2(E)-nonenal enantiomers: (S)-selective inactivation of glyceraldehyde-3-phosphate dehydrogenase and detoxification by rat glutathione S-transferase A4-4. Biochemical Journal, 2000, 349, 729-735.	1.7	29
23	Oxidative stress and Alzheimer disease. American Journal of Clinical Nutrition, 2000, 71, 621S-629S.	2.2	920
24	Acrolein, a product of lipid peroxidation, inhibits glucose and glutamate uptake in primary neuronal cultures. Free Radical Biology and Medicine, 2000, 29, 714-720.	1.3	109
25	Congeners of NÎ±-acetyl-L-cysteine but not aminoguanidine act as neuroprotectants from the lipid peroxidation product 4-hydroxy-2-nonenal. Free Radical Biology and Medicine, 2000, 29, 1028-1036.	1.3	27
26	Decreased thioredoxin and increased thioredoxin reductase levels in alzheimerâ€™s disease brain. Free Radical Biology and Medicine, 2000, 28, 418-427.	1.3	188
27	AGED GARLIC EXTRACT SUPPRESSES LIPID PEROXIDATION INDUCED BY Î²-AMYLOID IN PC12 CELLS. In Vitro Cellular and Developmental Biology - Animal, 2000, 36, 279.	0.7	7
28	Oxidative derangement in rat synaptosomes induced by hyperglycaemia: restorative effect of dehydroepiandrosterone treatment. Biochemical Pharmacology, 2000, 60, 389-395.	2.0	82
29	Decreased base excision repair and increased helicase activity in Alzheimer's disease brain. Brain Research, 2000, 855, 116-123.	1.1	162
30	Selective Activation of the c-Jun N-Terminal Protein Kinase Pathway during 4-Hydroxynonenal-Induced Apoptosis of PC12 Cells. Molecular Pharmacology, 2000, 58, 535-541.	1.0	118
31	Lipid Peroxidation and Nitrite plus Nitrate Levels in Brain Tissue from Patients with Alzheimerâ€™s Disease. Gerontology, 2000, 46, 179-184.	1.4	42
32	Review: Alzheimer's Amyloid Î²-Peptide-Associated Free Radical Oxidative Stress and Neurotoxicity. Journal of Structural Biology, 2000, 130, 184-208.	1.3	680
33	Oxidative Insults Are Associated with Apolipoprotein E Genotype in Alzheimer's Disease Brain. Neurobiology of Disease, 2000, 7, 23-37.	2.1	173
34	Oxidative injury in diseases of the central nervous system: focus on alzheimerâ€™s disease. American Journal of Medicine, 2000, 109, 577-585.	0.6	349
35	In-vivo glutathione elevation protects against hydroxyl free radical-induced protein oxidation in rat brain. Neurochemistry International, 2000, 36, 185-191.	1.9	149
36	The pyrrolopyrimidine U101033E is a potent free radical scavenger and prevents Fe(II)-induced lipid peroxidation in synaptosomal membranes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2000, 1501, 149-161.	1.8	11

#	Article	IF	Citations
37	Differential alterations in antioxidant capacity in cells from Alzheimer patients. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2000, 1502, 319-329.	1.8	38
38	Advances in Research on Neurodegeneration. , 2000, , .		0
39	Cellular and molecular mechanisms of Alzheimerâ€™s disease inflammation. , 2001, , 3-49.		0
40	AÎ² may be a planet, but APP is central. Neurobiology of Aging, 2001, 22, 151-154.	1.5	11
41	Copernicus revisited: amyloid beta in Alzheimer's disease. Neurobiology of Aging, 2001, 22, 131-146.	1.5	190
42	Acrolein is increased in Alzheimerâ€™s disease brain and is toxic to primary hippocampal cultures. Neurobiology of Aging, 2001, 22, 187-194.	1.5	410
43	Sign of lipid peroxidation as measured in the urine of patients with probable Alzheimerâ€™s disease. Brain Research Bulletin, 2001, 54, 565-568.	1.4	80
44	Celastrol, a potent antioxidant and anti-inflammatory drug, as a possible treatment for Alzheimer's disease. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2001, 25, 1341-1357.	2.5	329
45	Pharmacogenomics of psychiatric disorders. Trends in Pharmacological Sciences, 2001, 22, 75-83.	4.0	68
46	Evidence of oxidative damage in Alzheimer's disease brain: central role for amyloid Î²-peptide. Trends in Molecular Medicine, 2001, 7, 548-554.	3.5	1,044
47	Acrolein inhibits respiration in isolated brain mitochondria. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2001, 1535, 145-152.	1.8	75
48	Molecular and cellular mediators of Alzheimer's disease inflammation. Journal of Alzheimer's Disease, 2001, 3, 131-157.	1.2	48
49	Abnormalities in oxidative processes in non-neuronal tissues from patients with Alzheimer's disease*. Journal of Alzheimer's Disease, 2001, 3, 329-338.	1.2	36
50	Oxidative and Inflammatory Properties of Aluminum: Possible Relevance in Alzheimerâ€™s Disease. , 2001, , 311-321.		6
51	Expression and Activities of Aldo-Keto Oxidoreductases in Alzheimer Disease. Journal of Neuropathology and Experimental Neurology, 2001, 60, 686-695.	0.9	80
52	Increased oxidative stress in Alzheimer's disease as assessed with 4-hydroxynonenal but not malondialdehyde. QJM - Monthly Journal of the Association of Physicians, 2001, 94, 485-490.	0.2	211
53	Impaired Proteasome Function in Alzheimer's Disease. Journal of Neurochemistry, 2001, 75, 436-439.	2.1	718
54	The glial glutamate transporter, GLT-1, is oxidatively modified by 4-hydroxy-2-nonenal in the Alzheimer's disease brain: the role of AÎ²1-42. Journal of Neurochemistry, 2001, 78, 413-416.	2.1	428

#	Article	IF	Citations
55	4â€Hydroxynonenal Immunoreactivity is Increased in Human Hippocampus After Global Ischemia. Brain Pathology, 2001, 11, 414-421.	2.1	60
56	Elevation of AKR7A2 (succinic semialdehyde reductase) in neurodegenerative disease. Brain Research, 2001, 916, 229-238.	1.1	56
57	Expression of glutathione-S-transferase isozyme in the SY5Y neuroblastoma cell line increases resistance to oxidative stress. Free Radical Biology and Medicine, 2001, 31, 73-81.	1.3	53
58	Homodimerization of Amyloid Precursor Protein and Its Implication in the Amyloidogenic Pathway of Alzheimer's Disease. Journal of Biological Chemistry, 2001, 276, 33923-33929.	1.6	201
59	Antioxidant strategies for Alzheimer's disease. Proceedings of the Nutrition Society, 2002, 61, 191-202.	0.4	166
60	Docosahexaenoic Acid Abundance in the Brain: A biodevice to Combat Oxidative Stress. Nutritional Neuroscience, 2002, 5, 149-157.	1.5	120
61	Oxidative protein damage in cells engaged in Î²-amyloidosis is related to apoE genotype. NeuroReport, 2002, 13, 465-468.	0.6	24
62	Lipid peroxidation in neurodegeneration: new insights into AlzheimerÊ¼s disease. Current Opinion in Lipidology, 2002, 13, 289-294.	1.2	132
63	Determination of cadmium and zinc in Alzheimer's brain tissue using Inductively Coupled Plasma Mass Spectrometry. Journal of the Neurological Sciences, 2002, 195, 1-10.	0.3	157
64	Amyloid Î²-peptide (1-42)-induced Oxidative Stress and Neurotoxicity: Implications for Neurodegeneration in Alzheimer's Disease Brain. A Review. Free Radical Research, 2002, 36, 1307-1313.	1.5	694
65	Role of glycine-33 and methionine-35 in Alzheimerâ€™s amyloid Î²-peptide 1â€“42-associated oxidative stress and neurotoxicity. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2002, 1586, 190-198.	1.8	75
66	Methionine residue 35 is critical for the oxidative stress and neurotoxic properties of Alzheimerâ€™s amyloid Î²-peptide 1â€“42. Peptides, 2002, 23, 1299-1309.	1.2	140
67	The effect of increased concentrations of homocysteine on the concentration of (E)-4-hydroxy-2-nonenal in the plasma and cerebrospinal fluid of patients with Alzheimer's disease. Neurobiology of Aging, 2002, 23, 383-388.	1.5	165
68	Evidence that amyloid beta-peptide-induced lipid peroxidation and its sequelae in Alzheimerâ€™s disease brain contribute to neuronal death1. Neurobiology of Aging, 2002, 23, 655-664.	1.5	628
69	Oxidative stress in brain agingImplications for therapeutics of neurodegenerative diseases. Neurobiology of Aging, 2002, 23, 795-807.	1.5	715
70	A Novel Function of Monomeric Amyloid Î²-Protein Serving as an Antioxidant Molecule against Metal-Induced Oxidative Damage. Journal of Neuroscience, 2002, 22, 4833-4841.	1.7	296
71	Alzheimerâ€™s disease and oxygen radicals: new insights. Biochemical Pharmacology, 2002, 63, 563-567.	2.0	174
72	Lipid peroxidation and protein oxidation in Alzheimerâ€™s disease brain: potential causes and consequences involving amyloid Î²-peptide-associated free radical oxidative stress 1,2 1Guest Editors: Mark A. Smith and George Perry 2This article is part of a series of reviews on â€œCauses and Consequences of Oxidative Stress in Alzheimerâ€™s Disease.â€•The full list of papers may be found on the homepage of the journal.. Free Radical Biology and Medicine, 2002, 32, 1050-1060.	1.3	893

#	Article	IF	Citations
73	The relationship between oxidative/nitrative stress and pathological inclusions in Alzheimerâ€™s and Parkinsonâ€™s diseases1,2 11Guest Editors: Mark A. Smith and George Perry 22This article is part of a series of reviews on â€œCauses and Consequences of Oxidative Stress in Alzheimerâ€™s Disease.â€•The full list of papers may be found on the homepage of the journal.. Free Radical Biology and Medicine, 2002, 32, 1264-1275.	1.3	252
74	Lipid peroxidation in aging brain and Alzheimerâ€™s disease1,2 1Guest Editors: Mark A. Smith and George Perry 2This article is part of a series of reviews on â€œCauses and Consequences of Oxidative Stress in Alzheimerâ€™s Disease.â€•The full list of papers may be found on the homepage of the journal.. Free Radical Biology and Medicine, 2002, 33, 620-626.	1.3	406
75	Proteolysis, free radicals, and aging1,2 1Guest Editor: Earl Stadtman 2This article is part of a series of reviews on â€œOxidatively Modified Proteins in Aging and Disease.â€•The full list of papers may be found on the homepage of the journal.. Free Radical Biology and Medicine, 2002, 33, 29-36.	1.3	114
76	JNK3 contributes toc-jun induction and apoptosis in 4-hydroxynonenal-treated sympathetic neurons. Journal of Neuroscience Research, 2002, 70, 665-670.	1.3	37
77	Elevated glutathione as a therapeutic strategy in Alzheimer's disease. Drug Development Research, 2002, 56, 428-437.	1.4	41
78	Oxidative imbalance and lipid peroxidation in Alzheimer's disease. Drug Development Research, 2002, 56, 446-451.	1.4	9
79	Use of vitamin C and E in the treatment of Alzheimer's disease. Drug Development Research, 2002, 56, 452-457.	1.4	10
80	Can malondialdehyde be used as a biological marker of progression in neurodegenerative disease?. Journal of Neurology, 2002, 249, 367-374.	1.8	70
81	Ferulic acid antioxidant protection against hydroxyl and peroxyl radical oxidation in synaptosomal and neuronal cell culture systems in vitro: structure-activity studies. Journal of Nutritional Biochemistry, 2002, 13, 273-281.	1.9	434
82	Nutritional approaches to combat oxidative stress in Alzheimerâ€™s disease. Journal of Nutritional Biochemistry, 2002, 13, 444-461.	1.9	343
83	A Monoclonal Antibody to Amyloid Precursor Protein Induces Neuronal Apoptosis. Journal of Neurochemistry, 2002, 74, 2331-2342.	2.1	86
84	Oxidative damage increases with age in a canine model of human brain aging. Journal of Neurochemistry, 2002, 82, 375-381.	2.1	168
85	ERK activation and nuclear translocation in amyloid-Î² peptide- and iron-stressed neuronal cell cultures. European Journal of Neuroscience, 2002, 16, 44-54.	1.2	55
86	Increased Nuclear DNA Oxidation in the Brain in Alzheimer's Disease. Journal of Neurochemistry, 1998, 71, 2034-2040.	2.1	421
87	Oxidized Low-Density Lipoprotein Induces Neuronal Death. Journal of Neurochemistry, 2002, 72, 2601-2609.	2.1	75
88	Decrease in Peptide Methionine Sulfoxide Reductase in Alzheimer's Disease Brain. Journal of Neurochemistry, 2002, 73, 1660-1666.	2.1	232
89	Landmark discrimination learning in the dog: effects of age, an antioxidant fortified food, and cognitive strategy. Neuroscience and Biobehavioral Reviews, 2002, 26, 679-695.	2.9	129
90	Carbonyl Toxicology and Alzheimer's Disease. Toxicology and Applied Pharmacology, 2002, 184, 187-197.	1.3	188

#	Article	IF	Citations
91	Modulation of 4HNE-Mediated Signaling by Proline-Rich Peptides from Ovine Colostrum. Journal of Molecular Neuroscience, 2003, 20, 125-134.	1.1	28
92	Protein phosphorylation and APP metabolism. Neurochemical Research, 2003, 28, 1553-1561.	1.6	64
93	Acrolein inhibits NADH-linked mitochondrial enzyme activity: Implications for Alzheimer's disease. Neurotoxicity Research, 2003, 5, 515-519.	1.3	106
94	Proteomics for the identification of specifically oxidized proteins in brain: Technology and application to the study of neurodegenerative disorders. Amino Acids, 2003, 25, 419-425.	1.2	48
95	The effect of oxidative stress on accumulation of apolipoprotein E3 and E4 in a cell culture model of Î²-amyloid angiopathy (CAA). Brain Research, 2003, 983, 48-57.	1.1	21
96	Ontogenic differences in human liver 4-hydroxynonenal detoxification are associated with in vitro injury to fetal hematopoietic stem cells. Toxicology and Applied Pharmacology, 2003, 191, 95-106.	1.3	7
97	Loss of nicotinic receptors induced by beta-amyloid peptides in PC12 cells: Possible mechanism involving lipid peroxidation. Journal of Neuroscience Research, 2003, 71, 397-406.	1.3	23
98	Age-related changes in neuronal glucose uptake in response to glutamate and ?-amyloid. Journal of Neuroscience Research, 2003, 72, 527-536.	1.3	54
99	Association ofHFE mutations with neurodegeneration and oxidative stress in Alzheimer's disease and correlation withAPOE. American Journal of Medical Genetics Part A, 2003, 119B, 48-53.	2.4	82
100	4â€Hydroxynonenal contributes to NGF withdrawalâ€induced neuronal apoptosis. Journal of Neurochemistry, 2003, 85, 999-1005.	2.1	17
101	Proteomics in Alzheimer's disease: insights into potential mechanisms of neurodegeneration. Journal of Neurochemistry, 2003, 86, 1313-1327.	2.1	171
102	Analysis of Aldehydic Markers of Lipid Peroxidation in Biological Tissues by HPLC with Fluorescence Detection. , 2003, , 17-22.		2
103	Synaptic pathology in Alzheimer's disease: a review of ultrastructural studies. Neurobiology of Aging, 2003, 24, 1029-1046.	1.5	367
104	S-allyl-l-cysteine selectively protects cultured rat hippocampal neurons from amyloid Î²-protein- and tunicamycin-induced neuronal death. Neuroscience, 2003, 122, 885-895.	1.1	93
105	4-Hydroxynonenal and neurodegenerative diseases. Molecular Aspects of Medicine, 2003, 24, 293-303.	2.7	283
106	Correlation of oxidative stress and the loss of the nicotinic receptor alpha4 subunit in the temporal cortex of patients with Alzheimer's disease. Neuroscience Letters, 2003, 338, 13-16.	1.0	16
107	Protective effect of S-allyl-l-cysteine, a garlic compound, on amyloid Î²-protein-induced cell death in nerve growth factor-differentiated PC12 cells. Neuroscience Research, 2003, 46, 119-125.	1.0	43
108	Immunocytochemical evidence that amyloid Î² (1â€“42) impairs endogenous antioxidant systems in vivo. Neuroscience, 2003, 119, 399-419.	1.1	79

#	Article	IF	Citations
109	Inhibition of succinic semialdehyde dehydrogenase activity by alkenal products of lipid peroxidation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2003, 1637, 107-112.	1.8	40
111	Amyloid β-Peptide [1-42]-Associated Free Radical-Induced Oxidative Stress And Neurodegeneration in Alzheimers Disease Brain: Mechanisms and Consequences. Current Medicinal Chemistry, 2003, 10, 2651-2659.	1.2	151
112	Protection against amyloid beta peptide and iron/hydrogen peroxide toxicity by alpha lipoic acid. Journal of Alzheimer's Disease, 2003, 5, 229-239.	1.2	77
113	The role of oxidative damage in mitochondria during aging: a review. Frontiers in Bioscience - Landmark, 2004, 9, 1100.	3.0	123
114	Inactivation of protein disulfide isomerase by alkylators including Î±,Î²-unsaturated aldehydes at low physiological pHs. Biological Chemistry, 2004, 385, 633-7.	1.2	10
115	Regulation of glycogen synthase kinase-3beta by products of lipid peroxidation in human neuroblastoma cells. Journal of Neurochemistry, 2004, 89, 1224-1232.	2.1	40
116	4â€Hydroxyâ€•trans â€2â€•nonenoic acid is a Î³â€hydroxybutyrate receptor ligand in the cerebral cortex and hippocampus. Journal of Neurochemistry, 2004, 89, 1462-1470.	2.1	16
117	Proteasome inhibition increases DNA and RNA oxidation in astrocyte and neuron cultures. Journal of Neurochemistry, 2004, 91, 1211-1218.	2.1	49
118	Alzheimer's disease: the two-hit hypothesis. Lancet Neurology, The, 2004, 3, 219-226.	4.9	402
119	Long-term treatment with antioxidants and a program of behavioral enrichment reduces age-dependent impairment in discrimination and reversal learning in beagle dogs. Experimental Gerontology, 2004, 39, 753-765.	1.2	112
120	Oxidative stress impairs glutamate uptake in fibroblasts from patients with alzheimer's disease. Free Radical Biology and Medicine, 2004, 37, 892-901.	1.3	28
121	Modulation of phospholipid asymmetry in synaptosomal membranes by the lipid peroxidation products, 4-hydroxynonenal and acrolein: implications for Alzheimer's disease. Brain Research, 2004, 1004, 193-197.	1.1	102
122	Antisense directed at the AÎ² region of APP decreases brain oxidative markers in aged senescence accelerated mice. Brain Research, 2004, 1018, 86-96.	1.1	121
123	Impact of gender on upregulation of antioxidant defence mechanisms in Alzheimer?s disease brain. Journal of Neural Transmission, 2004, 111, 1167-82.	1.4	79
124	Gene-environment interplay in neurogenesis and neurodegeneration. Neurotoxicity Research, 2004, 6, 415-434.	1.3	11
125	Isoprostanes and related products of lipid peroxidation in neurodegenerative diseases. Chemistry and Physics of Lipids, 2004, 128, 117-124.	1.5	222
126	Oxidatively Modified GST and MRP1 in Alzheimer?s Disease Brain: Implications for Accumulation of Reactive Lipid Peroxidation Products. Neurochemical Research, 2004, 29, 2215-2220.	1.6	148
127	Oxidation of 4-hydroxy-2-nonenal by succinic semialdehyde dehydrogenase (ALDH5A). Journal of Neurochemistry, 2004, 86, 298-305.	2.1	63

#	Article	IF	Citations
128	Metabolite-initiated protein misfolding may trigger Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4752-4757.	3.3	204
129	Metabolism of 4-Hydroxy-trans-2-nonenal by Central Nervous System Mitochondria Is Dependent on Age and NAD+Availability. Chemical Research in Toxicology, 2004, 17, 1272-1279.	1.7	44
130	Free Radicals: Key to Brain Aging and Heme Oxygenase as a Cellular Response to Oxidative Stress. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2004, 59, M478-M493.	1.7	192
131	Antioxidant Role of GlutathioneS-Transferases: Protection Against Oxidant Toxicity and Regulation of Stress-Mediated Apoptosis. Antioxidants and Redox Signaling, 2004, 6, 289-300.	2.5	276
132	Alzheimerâ€™s amyloid Î²-peptide (1â€“42): involvement of methionine residue 35 in the oxidative stress and neurotoxicity properties of this peptide. Neurobiology of Aging, 2004, 25, 563-568.	1.5	129
133	Lethal weapon: amyloid Î²-peptide, role in the oxidative stress and neurodegeneration of Alzheimerâ€™s disease. Neurobiology of Aging, 2004, 25, 581-587.	1.5	22
134	Î²-Amyloid25-35 inhibits glutamate uptake in cultured neurons and astrocytes: modulation of uptake as a survival mechanism. Neurobiology of Disease, 2004, 15, 580-589.	2.1	67
135	4-Hydroxynonenal oxidatively modifies histones: implications for Alzheimer's disease. Neuroscience Letters, 2004, 356, 155-158.	1.0	68
136	Antioxidants and Prevention of Chronic Disease. Critical Reviews in Food Science and Nutrition, 2004, 44, 275-295.	5.4	875
137	Oxidative stress signalling in Alzheimer's disease. Brain Research, 2004, 1000, 32-39.	1.1	377
138	Peripheral markers of oxidative stress and excitotoxicity in neurodegenerative disorders: Tools for diagnosis and therapy?. Journal of Alzheimer's Disease, 2004, 6, 177-184.	1.2	55
139	Iron, neuroinflammation, and Alzheimer's disease. Journal of Alzheimer's Disease, 2005, 8, 183-200.	1.2	112
140	Causes and Consequences of Oxidative Stress in Neurodegenerative Diseases. Research and Perspectives in Alzheimer's Disease, 2005, , 37-44.	0.1	2
141	Oxidative stress in brain aging, neurodegenerative and vascular diseases: An overview. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 827, 65-75.	1.2	556
142	The critical role of methionine 35 in Alzheimer's amyloid Î²-peptide (1â€“42)-induced oxidative stress and neurotoxicity. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1703, 149-156.	1.1	228
143	Oxidative Imbalance in Alzheimer's Disease. Molecular Neurobiology, 2005, 31, 205-218.	1.9	126
144	Ferulic acid ethyl ester protects neurons against amyloid beta- peptide(1-42)-induced oxidative stress and neurotoxicity: relationship to antioxidant activity. Journal of Neurochemistry, 2005, 92, 749-758.	2.1	255
145	Increased oxidative damage in nuclear and mitochondrial DNA in Alzheimer's disease. Journal of Neurochemistry, 2005, 93, 953-962.	2.1	417

#	Article	IF	Citations
146	4-Hydroxynonenal inhibits cell proliferation and alters differentiation pathways in human fetal liver hematopoietic stem cells. Biochemical Pharmacology, 2005, 69, 105-112.	2.0	22
147	Central role of PKCÎ´ in glycoxidation-dependent apoptosis of human neurons. Free Radical Biology and Medicine, 2005, 38, 846-856.	1.3	51
148	In vivo protection of synaptosomes from oxidative stress mediated by Fe2+/H2O2 or 2,2-azobis-(2-amidinopropane) dihydrochloride by the glutathione mimetic tricyclodecan-9-yl-xanthogenate. Free Radical Biology and Medicine, 2005, 38, 1023-1031.	1.3	42
149	Lipid peroxidation is an early event in the brain in amnestic mild cognitive impairment. Annals of Neurology, 2005, 58, 730-735.	2.8	264
150	Stimulation of G-proteins in human control and Alzheimer's disease brain by FAD mutants of APP714-723: Implication of oxidative mechanisms. Journal of Neuroscience Research, 2005, 79, 368-374.	1.3	11
151	Mononuclear phagocytes in the pathogenesis of neurodegenerative diseases. Neurotoxicity Research, 2005, 8, 25-50.	1.3	66
152	Accumulation of Acroleinâ€“Protein Adducts after Traumatic Spinal Cord Injury. Neurochemical Research, 2005, 30, 291-295.	1.6	94
153	Oxidative Stress, Antioxidants and Neurodegenerative Diseases. Current Pharmaceutical Design, 2005, 11, 2033-2052.	0.9	126
154	Normal brain ageing: models and mechanisms. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 2347-2354.	1.8	86
155	Differential Susceptibility of Naive and Differentiated PC-12 Cells to Methylglyoxal-Induced Apoptosis: Influence of Cellular Redox. Current Neurovascular Research, 2005, 2, 13-22.	0.4	44
156	Formation of Methionine Sulfoxide of Amyloid Î²â€Peptide (1â€40) by Cu(bdpe)/H2O2 System. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2005, 35, 677-681.	0.6	3
157	F2-Isoprostanes in Alzheimer and Other Neurodegenerative Diseases. Antioxidants and Redox Signaling, 2005, 7, 269-275.	2.5	106
158	4-Oxo-2-nonenal Is Both More Neurotoxic and More Protein Reactive than 4-Hydroxy-2-nonenal. Chemical Research in Toxicology, 2005, 18, 1219-1231.	1.7	147
159	Analysis of Derivatized Biogenic Aldehydes by LC Tandem Mass Spectrometry. Analytical Chemistry, 2005, 77, 3383-3389.	3.2	48
160	Acrolein induces oxidative stress in brain mitochondria. Neurochemistry International, 2005, 46, 243-252.	1.9	133
161	Acrolein-induced cell death in PC12 cells: Role of mitochondria-mediated oxidative stress. Neurochemistry International, 2005, 47, 449-457.	1.9	100
162	Solution structure of humanin, a peptide against Alzheimerâ€™s disease-related neurotoxicity. Biochemical and Biophysical Research Communications, 2005, 329, 152-160.	1.0	53
163	Fatty Acid Oxidation in the Pathogenesis of Alzheimer's Disease. American Journal of Pathology, 2005, 166, 1283-1289.	1.9	101

#	Article	IF	Citations
165	Learning ability in aged beagle dogs is preserved by behavioral enrichment and dietary fortification: a two-year longitudinal study. Neurobiology of Aging, 2005, 26, 77-90.	1.5	179
166	Proteomic identification of proteins specifically oxidized by intracerebral injection of amyloid Î²-peptide (1â€“42) into rat brain: Implications for Alzheimerâ€™s disease. Neuroscience, 2005, 132, 313-324.	1.1	160
167	Degradation of glyceraldehyde-3-phosphate dehydrogenase triggered by 4-hydroxy-2-nonenal and 4-hydroxy-2-hexenal. Archives of Biochemistry and Biophysics, 2005, 438, 217-222.	1.4	22
168	Oxidative stress, mitochondrial dysfunction and cellular stress response in Friedreich's ataxia. Journal of the Neurological Sciences, 2005, 233, 145-162.	0.3	361
169	Free radical mediated oxidative stress and toxic side effects in brain induced by the anti cancer drug adriamycin: Insight into chemobrain. Free Radical Research, 2005, 39, 1147-1154.	1.5	153
170	Nitrosative Stress, Cellular Stress Response, and Thiol Homeostasis in Patients with Alzheimer's Disease. Antioxidants and Redox Signaling, 2006, 8, 1975-1986.	2.5	215
171	Protein Oxidation and Lipid Peroxidation in Brain of Subjects with Alzheimer's Disease: Insights into Mechanism of Neurodegeneration from Redox Proteomics. Antioxidants and Redox Signaling, 2006, 8, 2021-2037.	2.5	224
172	Unraveling in vivo Functions of Amyloid Precursor Protein: Insights from Knockout and Knockdown Studies. Neurodegenerative Diseases, 2006, 3, 134-147.	0.8	37
173	Astrocytic Biotransformation of trans-4-Hydroxy-2-nonenal Is Dose-Dependent. Chemical Research in Toxicology, 2006, 19, 844-851.	1.7	21
174	Detection and Quantification of Endogenous Cyclic DNA Adducts Derived from trans-4-Hydroxy-2-nonenal in Human Brain Tissue by Isotope Dilution Capillary Liquid Chromatography Nanoelectrospray Tandem Mass Spectrometry. Chemical Research in Toxicology, 2006, 19, 710-718.	1.7	55
175	Circulating biomarkers of cognitive decline and dementia. Clinica Chimica Acta, 2006, 364, 91-112.	0.5	124
176	Age-dependent oxidative stress-induced DNA damage in Downâ€™s lymphocytes. Biochemical and Biophysical Research Communications, 2006, 345, 726-733.	1.0	38
177	Phospholipid mass is increased in fibroblasts bearing the Swedish amyloid precursor mutation. Brain Research Bulletin, 2006, 69, 79-85.	1.4	4
178	In vivo protection of synaptosomes by ferulic acid ethyl ester (FAEE) from oxidative stress mediated by 2,2-azobis(2-amidino-propane)dihydrochloride (AAPH) or Fe2+/H2O2: Insight into mechanisms of neuroprotection and relevance to oxidative stress-related neurodegenerative disorders. Neurochemistry International, 2006, 48, 318-327.	1.9	114
179	Increased brain levels of 4-hydroxy-2-nonenal glutathione conjugates in severe Alzheimer's disease. Neurochemistry International, 2006, 48, 679-686.	1.9	76
180	Hypobaric hypoxia induces oxidative stress in rat brain. Neurochemistry International, 2006, 49, 709-716.	1.9	187
181	Elevated protein-bound levels of the lipid peroxidation product, 4-hydroxy-2-nonenal, in brain from persons with mild cognitive impairment. Neuroscience Letters, 2006, 397, 170-173.	1.0	227
182	N-acetylcysteine selectively protects cerebellar granule cells from 4-hydroxynonenal-induced cell death. Neuroscience Research, 2006, 55, 255-263.	1.0	42

#	Article	IF	Citations
183	4-Hydroxynonenal disrupts zinc export in primary rat cortical cells. NeuroToxicology, 2006, 27, 1-5.	1.4	19
184	Increased levels of 4-hydroxynonenal and acrolein, neurotoxic markers of lipid peroxidation, in the brain in Mild Cognitive Impairment and early Alzheimer's disease. Neurobiology of Aging, 2006, 27, 1094-1099.	1.5	342
185	Proteomic identification of proteins specifically oxidized in Caenorhabditis elegans expressing human AÎ²(1â€“42): Implications for Alzheimer's disease. Neurobiology of Aging, 2006, 27, 1239-1249.	1.5	89
186	Amyloid-Î² impairs development of neuronal progenitor cells by oxidative mechanisms. Neurobiology of Aging, 2006, 27, 1181-1192.	1.5	47
187	Redox proteomics identification of oxidized proteins in Alzheimer's disease hippocampus and cerebellum: An approach to understand pathological and biochemical alterations in AD. Neurobiology of Aging, 2006, 27, 1564-1576.	1.5	296
188	Mitochondrial dysfunction, oxidative stress and neurodegeneration. Journal of Alzheimer's Disease, 2006, 10, 59-73.	1.2	189
189	Oxidative Alterations in Alzheimer's Disease. Brain Pathology, 1999, 9, 133-146.	2.1	685
190	Amyloid Î²â€Peptide(1â€42) Contributes to the Oxidative Stress and Neurodegeneration Found in Alzheimer Disease Brain. Brain Pathology, 2004, 14, 426-432.	2.1	218
191	Apolipoprotein AÎ²: Black Sheep in a Good Family. Brain Pathology, 2004, 14, 433-447.	2.1	20
192	Increased oxidative damage in nuclear and mitochondrial DNA in mild cognitive impairment. Journal of Neurochemistry, 2006, 96, 825-832.	2.1	243
193	Mutations in amyloid precursor protein and presenilin-1 genes increase the basal oxidative stress in murine neuronal cells and lead to increased sensitivity to oxidative stress mediated by amyloid Î²-peptide (1-42), H2O2 and kainic acid: implications for A. Journal of Neurochemistry, 2006, 96, 1322-1335.	2.1	109
194	Central Nervous System Effects of Celastrol, a Potent Antioxidant and Antiinflammatory Agent. CNS Neuroscience & Therapeutics, 2000, 6, 45-62.	4.0	12
195	Aldehydes release zinc from proteins. A pathway from oxidative stress/lipid peroxidation to cellular functions of zinc. FEBS Journal, 2006, 273, 4300-4310.	2.2	73
196	Protein Oxidation. Annals of the New York Academy of Sciences, 2000, 899, 191-208.	1.8	892
197	A novel HPLC method for the measurement of thiobarbituric acid reactive substances (TBARS). A comparison with a commercially available kit. Clinical Biochemistry, 2006, 39, 947-954.	0.8	103
198	Redox proteomics in some age-related neurodegenerative disorders or models thereof. NeuroRx, 2006, 3, 344-357.	6.0	36
199	Redox proteomics identification of oxidatively modified proteins in Alzheimer's disease brain and in vivo and in vitro models of AD centered around AÎ²(1â€“42)â˜†. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 833, 3-11.	1.2	67
200	Role of the JAK-STAT pathway in protection of hydrogen peroxide preconditioning against apoptosis induced by oxidative stress in PC12 cells. Apoptosis: an International Journal on Programmed Cell Death, 2006, 11, 931-941.	2.2	44

#	Article	IF	Citations
201	Crotonaldehyde accumulates in glial cells of Alzheimerâ€™s disease brain. Acta Neuropathologica, 2006, 111, 422-429.	3.9	48
202	Degradation of glycated bovine serum albumin in microglial cells. Free Radical Biology and Medicine, 2006, 40, 1017-1027.	1.3	52
203	In vivo administration of D609 leads to protection of subsequently isolated gerbil brain mitochondria subjected to in vitro oxidative stress induced by amyloid beta-peptide and other oxidative stressors: Relevance to Alzheimerâ€™s disease and other oxidative stress-related neurodegenerative disorders. Free Radical Biology and Medicine, 2006, 41, 1694-1703.	1.3	87
204	Several glutathione S-transferase isozymes that protect against oxidative injury are expressed in human liver mitochondria. Biochemical Pharmacology, 2006, 71, 1619-1628.	2.0	52
205	Low molecular weight thiol amides attenuate MAPK activity and protect primary neurons from AÎ²(1â€“42) toxicity. Brain Research, 2006, 1069, 198-206.	1.1	41
206	The neuroprotective effect of heme oxygenase (HO) on oxidative stress in HO-1 siRNA-transfected HT22 cells. Brain Research, 2006, 1108, 39-44.	1.1	30
207	Protection against oxidant-induced apoptosis by mitochondrial thioredoxin in SH-SY5Y neuroblastoma cells. Toxicology and Applied Pharmacology, 2006, 216, 256-262.	1.3	30
208	Protective effect of D609 against amyloid-beta1â€“42-induced oxidative modification of neuronal proteins: Redox proteomics study. Journal of Neuroscience Research, 2006, 84, 409-417.	1.3	54
209	In vivo protective effects of ferulic acid ethyl ester against amyloid-beta peptide 1â€“42-induced oxidative stress. Journal of Neuroscience Research, 2006, 84, 418-426.	1.3	119
210	Redox Proteomics: A New Approach to Investigate Oxidative Stress in Alzheimer's Disease. , 2006, , 563-603.		8
211	Molecular Insights into Mechanisms of the Cell Death Program:Role in the Progression of Neurodegenerative Disorders. Current Alzheimer Research, 2006, 3, 269-283.	0.7	145
212	Amyloid Beta Peptide, 4-Hydroxynonenal and Apoptosis. Current Alzheimer Research, 2006, 3, 359-364.	0.7	32
213	Lipids and the pathogenesis of Alzheimer's disease: Is there a link?. International Review of Psychiatry, 2006, 18, 173-186.	1.4	54
214	Levels of 4-Hydroxynonenal and Malondialdehyde Are Increased in Brain of Human Chronic Users of Methamphetamine. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 703-709.	1.3	75
215	Effects of a Novel Cognitive Enhancer, Spiro[imidazo-[1,2-a]pyridine-3,2-indan]-2(3H)-one (ZSET1446), on Learning Impairments Induced by Amyloid-Î²1â€“40 in the Rat. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 1079-1087.	1.3	74
216	Membrane-mediated Amyloidogenesis and the Promotion of Oxidative Lipid Damage by Amyloid Î² Proteins. Journal of Biological Chemistry, 2007, 282, 9335-9345.	1.6	96
217	Degradation of HNE-modified proteins â€“ possible role of ubiquitin. Redox Report, 2007, 12, 63-67.	1.4	19
218	Oxidative stress and antioxidant defence in a healthy nonagenarian population. Redox Report, 2007, 12, 59-62.	1.4	7

#	Article	IF	Citations
219	Site-specific Effects of Peptide Lipidation on Î²-Amyloid Aggregation and Cytotoxicity. Journal of Biological Chemistry, 2007, 282, 36987-36997.	1.6	19
220	Is Antioxidant Therapy a Viable Alternative for Mild Cognitive Impairment? Examination of the Evidence. Dementia and Geriatric Cognitive Disorders, 2007, 24, 1-19.	0.7	42
222	Redox Proteomics Identification of Oxidatively Modified Brain Proteins in Alzheimer's Disease and Mild Cognitive Impairment: Insights into the Progression of this Dementing Disorder. Journal of Alzheimer's Disease, 2007, 12, 61-72.	1.2	121
223	Signal Transduction Cascades Associated with Oxidative Stress in Alzheimer's Disease. Journal of Alzheimer's Disease, 2007, 11, 143-152.	1.2	95
224	Evaluation of the ability of antioxidants to counteract lipid oxidation: Existing methods, new trends and challenges. Progress in Lipid Research, 2007, 46, 244-282.	5.3	507
225	Oxidative stress: A bridge between Down's syndrome and Alzheimer's disease. Neurobiology of Aging, 2007, 28, 648-676.	1.5	114
226	The increased activity of BACE1 correlates with oxidative stress in Alzheimer's disease. Neurobiology of Aging, 2007, 28, 1009-1014.	1.5	80
227	Increased susceptibility to amyloid toxicity in familial Alzheimer's fibroblasts. Neurobiology of Aging, 2007, 28, 863-876.	1.5	47
228	Lipid peroxidation in brain during aging in the senescence-accelerated mouse (SAM). Neurobiology of Aging, 2007, 28, 1170-1178.	1.5	74
229	Alzheimerâ€™ s disease, oxidative stress and gammahydroxybutyrate. Neurobiology of Aging, 2007, 28, 1340-1360.	1.5	103
230	Deciphering the mechanism of HNE-induced apoptosis in cultured murine cortical neurons: Transcriptional responses and cellular pathways. Neuropharmacology, 2007, 53, 687-698.	2.0	19
231	Critical role of methionine-722 in the stimulation of human brain G-proteins and neurotoxicity induced by London familial Alzheimerâ€™s disease (FAD) mutated V717G-APP714â€“723. Neuroscience, 2007, 144, 571-578.	1.1	6
232	Acrolein induces selective protein carbonylation in synaptosomes. Neuroscience, 2007, 147, 674-679.	1.1	60
233	Enhanced spatial ability in aged dogs following dietary and behavioural enrichment. Neurobiology of Learning and Memory, 2007, 87, 610-623.	1.0	21
234	Alzheimer disease, the two-hit hypothesis: An update. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 494-502.	1.8	251
235	The redox chemistry of the Alzheimer's disease amyloid Î²Âpeptide. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1976-1990.	1.4	533
236	Vitamin E and neurodegenerative diseases. Molecular Aspects of Medicine, 2007, 28, 591-606.	2.7	96
237	Amyloid Î²-Peptide(1-42), Oxidative Stress, and Alzheimerâ€™s Disease. , 2007, , 83-92.		2

#	Article	IF	Citations
238	Active Site Modifications of the Brain Isoform of Creatine Kinase by 4-Hydroxy-2-nonenal Correlate with Reduced Enzyme Activity: Mapping of Modified Sites by Fourier Transform-Ion Cyclotron Resonance Mass Spectrometry. Chemical Research in Toxicology, 2007, 20, 1260-1268.	1.7	34
239	The Oxidative Stress Metabolite 4-Hydroxynonenal Promotes Alzheimer Protofibril Formationâ€. Biochemistry, 2007, 46, 1503-1510.	1.2	157
240	Vascular oxidative stress in Alzheimer disease. Journal of the Neurological Sciences, 2007, 257, 240-246.	0.3	164
241	Lipoic Acid and N-acetyl Cysteine Decrease Mitochondrial-Related Oxidative Stress in Alzheimer Disease Patient Fibroblasts. Journal of Alzheimer's Disease, 2007, 12, 195-206.	1.2	176
242	Mitochondrial Effects of Lipid-Derived Neurotoxins. Journal of Alzheimer's Disease, 2007, 12, 185-193.	1.2	32
243	Site specificity of Î±-H abstraction reaction among secondary structure motifâ€”Anab initio study. Journal of Computational Chemistry, 2007, 28, 783-794.	1.5	19
244	Glutathione elevation by Î³-glutamyl cysteine ethyl ester as a potential therapeutic strategy for preventing oxidative stress in brain mediated by in vivo administration of adriamycin: Implication for chemobrain. Journal of Neuroscience Research, 2007, 85, 497-503.	1.3	120
245	Activation of phosphoinositide-3 kinase/Akt pathway by FeSO4 in rat cerebral cortex synaptic endings. Journal of Neuroscience Research, 2007, 85, 2924-2932.	1.3	24
246	Progressive oxidative damage in the central nervous system of a murine model for juvenile Batten disease. Journal of Neuroscience Research, 2007, 85, 2882-2891.	1.3	21
247	An aluminum-based rat model for Alzheimerâ€™s disease exhibits oxidative damage, inhibition of PP2A activity, hyperphosphorylated tau, and granulovacuolar degeneration. Journal of Inorganic Biochemistry, 2007, 101, 1275-1284.	1.5	161
248	Proteomics of lipid oxidation-induced oxidation of porcine and bovine oxymyoglobins. Proteomics, 2007, 7, 628-640.	1.3	109
249	The roles of NADPH oxidase and phospholipases A2in oxidative and inflammatory responses in neurodegenerative diseases. Journal of Neurochemistry, 2007, 103, 070611013409004-???.	2.1	86
250	The modulation of metal bioâ€availability as a therapeutic strategy for the treatment of Alzheimer's disease. FEBS Journal, 2007, 274, 3775-3783.	2.2	66
251	Involvement of PI3K/PKG/ERK1/2 signaling pathways in cortical neurons to trigger protection by cotreatment of acetyl-L-carnitine and Î±-lipoic acid against HNE-mediated oxidative stress and neurotoxicity: Implications for Alzheimer's disease. Free Radical Biology and Medicine, 2007, 42, 371-384.	1.3	125
252	Roles of amyloid Î²-peptide-associated oxidative stress and brain protein modifications in the pathogenesis of Alzheimer's disease and mild cognitive impairment. Free Radical Biology and Medicine, 2007, 43, 658-677.	1.3	493
253	Altered Subcellular Distribution of the Alzheimer's Amyloid Precursor Protein Under Stress Conditions. Annals of the New York Academy of Sciences, 2007, 1096, 184-195.	1.8	25
254	N-acetylcysteine and neurodegenerative diseases: Basic and clinical pharmacology. Cerebellum, 2007, 6, 308-314.	1.4	147
255	Causes of oxidative stress in Alzheimer disease. Cellular and Molecular Life Sciences, 2007, 64, 2202-2210.	2.4	312

#	Article	IF	Citations
256	Shortage of Lipid-radical Cycles in Membranes as a Possible Prime Cause of Energetic Failure in Aging and Alzheimer Disease. Neurochemical Research, 2007, 32, 1278-1291.	1.6	13
257	Benefits from Dietary Polyphenols for Brain Aging and Alzheimerâ€™s Disease. Neurochemical Research, 2008, 33, 2390-2400.	1.6	187
258	4â€Hydroxynonenal: A membrane lipid oxidation product of medicinal interest. Medicinal Research Reviews, 2008, 28, 569-631.	5.0	376
259	The role of glycogen synthase kinase 3 in the early stages of Alzheimersâ€™ disease. FEBS Letters, 2008, 582, 3848-3854.	1.3	77
260	Protective effect of new S-acylglutathione derivatives against amyloid-induced oxidative stress. Free Radical Biology and Medicine, 2008, 44, 1624-1636.	1.3	33
261	Altered 8-oxoguanine glycosylase in mild cognitive impairment and late-stage Alzheimer's disease brain. Free Radical Biology and Medicine, 2008, 45, 813-819.	1.3	99
262	Role of DNA dynamics in Alzheimer's disease. Brain Research Reviews, 2008, 58, 136-148.	9.1	28
263	Elevated levels of proâ€apoptotic p53 and its oxidative modification by the lipid peroxidation product, HNE,in brain from subjects with amnestic mild cognitive impairment and Alzheimer's disease. Journal of Cellular and Molecular Medicine, 2008, 12, 987-994.	1.6	98
264	NGF-induced neurite outgrowth of PC12 cells in the presence of phosphatidylcholine hydroperoxides: Implication for ageing. Mechanisms of Ageing and Development, 2008, 129, 215-222.	2.2	7
265	Oxidatively modified RNA in mild cognitive impairment. Neurobiology of Disease, 2008, 29, 169-175.	2.1	93
266	Loss of phospholipid asymmetry and elevated brain apoptotic protein levels in subjects with amnestic mild cognitive impairment and Alzheimer disease. Neurobiology of Disease, 2008, 29, 456-464.	2.1	97
269	Promotion of Amyloid Î² Protein Misfolding and Fibrillogenesis by a Lipid Oxidation Product. Journal of Molecular Biology, 2008, 377, 1236-1250.	2.0	72
270	Alterations of some membrane transport proteins in Alzheimer's disease: role of amyloid Î²-peptide. Molecular BioSystems, 2008, 4, 36-41.	2.9	25
271	Antioxidant Activity of Bol D'Air JacquierÂ® Breathing Sessions in Wistar Rats â€" First Studies. International Journal of Occupational Medicine and Environmental Health, 2008, 21, 31-46.	0.6	4
272	Oxidative Stress Signaling in Alzheimers Disease. Current Alzheimer Research, 2008, 5, 525-532.	0.7	250
273	An aberrant protein complex in CSF as a biomarker of Alzheimer disease. Neurology, 2008, 70, 2212-2218.	1.5	31
274	Peripheral Oxidative Damage in Mild Cognitive Impairment and Mild Alzheimer's Disease. Journal of Alzheimer's Disease, 2008, 15, 117-128.	1.2	133
275	Elevated levels of 4-hydroxynonenal-histidine Michael adduct in the hippocampi of patients with Alzheimer's disease. Biomedical Research, 2009, 30, 227-233.	0.3	56

#	Article	IF	Citations
276	Aberrant Expression of Myeloperoxidase in Astrocytes Promotes Phospholipid Oxidation and Memory Deficits in a Mouse Model of Alzheimer Disease. Journal of Biological Chemistry, 2009, 284, 3158-3169.	1.6	102
277	Oxidative stress in Alzheimer disease. Cell Adhesion and Migration, 2009, 3, 88-93.	1.1	326
278	DNA Damage and Repair in Alzheimers Disease. Current Alzheimer Research, 2009, 6, 36-47.	0.7	130
279	CD 4+ T cells in the pathobiology of neurodegenerative disorders. Journal of Neuroimmunology, 2009, 211, 3-15.	1.1	48
280	Cocoa procyanidins attenuate 4-hydroxynonenal-induced apoptosis of PC12 cells by directly inhibiting mitogen-activated protein kinase kinase 4 activity. Free Radical Biology and Medicine, 2009, 46, 1319-1327.	1.3	36
281	Roles of the lipid peroxidation product 4-hydroxynonenal in obesity, the metabolic syndrome, and associated vascular and neurodegenerative disorders. Experimental Gerontology, 2009, 44, 625-633.	1.2	258
282	Overexpression of aldehyde dehydrogenase 1A1 reduces oxidationâ€induced toxicity in SHâ€SY5Y neuroblastoma cells. Journal of Neuroscience Research, 2010, 88, 686-694.	1.3	27
283	Inhibition of heme synthesis alters Amyloid Precursor Protein processing. Journal of Neural Transmission, 2009, 116, 79-88.	1.4	35
284	Oxidatively modified proteins in Alzheimerâ€™s disease (AD), mild cognitive impairment and animal models of AD: role of Abeta in pathogenesis. Acta Neuropathologica, 2009, 118, 131-150.	3.9	194
285	Oxidative Damage and Cognitive Dysfunction: Antioxidant Treatments to Promote Healthy Brain Aging. Neurochemical Research, 2009, 34, 670-678.	1.6	112
286	Carbonyl stress: malondialdehyde induces damage on rat hippocampal neurons by disturbance of Ca2+ homeostasis. Cell Biology and Toxicology, 2009, 25, 435-445.	2.4	16
287	Neurodegeneration in Alzheimer's disease: caspases and synaptic element interdependence. Molecular Neurodegeneration, 2009, 4, 27.	4.4	75
288	Iron behaving badly: inappropriate iron chelation as a major contributor to the aetiology of vascular and other progressive inflammatory and degenerative diseases. BMC Medical Genomics, 2009, 2, 2.	0.7	421
289	Fenton chemistry and oxidative stress mediate the toxicity of the Î²â€amyloid peptide in a Drosophila model of Alzheimerâ€™s disease. European Journal of Neuroscience, 2009, 29, 1335-1347.	1.2	159
290	Piceatannol Attenuates 4â€Hydroxynonenalâ€Induced Apoptosis of PC12 Cells by Blocking Activation of câ€Jun Nâ€Terminal Kinase. Annals of the New York Academy of Sciences, 2009, 1171, 176-182.	1.8	35
291	Silibinin prevents amyloid Î² peptideâ€induced memory impairment and oxidative stress in mice. British Journal of Pharmacology, 2009, 157, 1270-1277.	2.7	169
292	Increased lipid peroxidation in Downâ€™s syndrome mouse models. Journal of Neurochemistry, 2009, 110, 1965-1976.	2.1	60
293	Site-specific modification of Alzheimer's peptides by cholesterol oxidation products enhances aggregation energetics and neurotoxicity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18563-18568.	3.3	76

#	Article	IF	Citations
294	In vivo amelioration of adriamycin induced oxidative stress in plasma by gamma-glutamylcysteine ethyl ester (GCEE). Cancer Letters, 2009, 282, 25-29.	3.2	25
295	The proteasomal system. Molecular Aspects of Medicine, 2009, 30, 191-296.	2.7	353
296	Effect of different cooking methods on lipid oxidation and formation of free cholesterol oxidation products (COPs) in Latissimus dorsi muscle of Iberian pigs. Meat Science, 2009, 83, 431-437.	2.7	137
297	Biomarkers of oxidative and nitrosative damage in Alzheimer's disease and mild cognitive impairment. Ageing Research Reviews, 2009, 8, 285-305.	5.0	211
298	Neuroproteomics. Methods in Molecular Biology, 2009, , .	0.4	1
299	Role of Oxidative Stress in the Progression of Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 19, 341-353.	1.2	282
300	Role of By-Products of Lipid Oxidation in Alzheimer's Disease Brain: A Focus on Acrolein. Journal of Alzheimer's Disease, 2010, 21, 741-756.	1.2	141
301	Pathological aspects of lipid peroxidation. Free Radical Research, 2010, 44, 1125-1171.	1.5	344
302	Towards a unifying, systems biology understanding of large-scale cellular death and destruction caused by poorly liganded iron: Parkinsonâ€™s, Huntingtonâ€™s, Alzheimerâ€™s, prions, bactericides, chemical toxicology and others as examples. Archives of Toxicology, 2010, 84, 825-889.	1.9	330
303	Wild type but not mutant APP is involved in protective adaptive responses against oxidants. Amino Acids, 2010, 39, 271-283.	1.2	11
304	Hydrogen Sulfide Scavenges the Cytotoxic Lipid Oxidation Product 4-HNE. Neurotoxicity Research, 2010, 17, 249-256.	1.3	57
305	Age-related loss of phospholipid asymmetry in APP /APP x PS-1 /PS-1 human double mutant knock-in mice: Relevance to Alzheimer disease. Neurobiology of Disease, 2010, 38, 104-115.	2.1	37
306	Anti-amnesic effect of ESP-102 on AÎ²1â€“42-induced memory impairment in mice. Pharmacology Biochemistry and Behavior, 2010, 97, 239-248.	1.3	19
307	Hydrogen-rich saline improves memory function in a rat model of amyloid-beta-induced Alzheimer's disease by reduction of oxidative stress. Brain Research, 2010, 1328, 152-161.	1.1	175
308	Increased levels of 4-hydroxynonenal and acrolein in the brain in preclinical Alzheimer disease. Free Radical Biology and Medicine, 2010, 48, 1570-1576.	1.3	168
309	NOX activity in brain aging: Exacerbation by high fat diet. Free Radical Biology and Medicine, 2010, 49, 22-30.	1.3	56
311	Potential in vivo amelioration by Nâ€acetylâ€Lâ€cysteine of oxidative stress in brain in human double mutant APP/PSâ€1 knockâ€in mice: Toward therapeutic modulation of mild cognitive impairment. Journal of Neuroscience Research, 2010, 88, 2618-2629.	1.3	63
312	Cilostazol prevents amyloid Î² peptide‹sub›25â€35‹/sub›â€induced memory impairment and oxidative stress in mice. British Journal of Pharmacology, 2010, 161, 1899-1912.	2.7	85

#	Article	IF	Citations
313	Despite its role in assembly, methionine 35 is not necessary for amyloid Î²â€protein toxicity. Journal of Neurochemistry, 2010, 113, 1252-1262.	2.1	39
314	Why Vitamin E Therapy Fails for Treatment of Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 19, 27-30.	1.2	65
315	Lipid Oxidation and Modification of Amyloid-Î² (AÎ²) in vitro and in vivo. Journal of Alzheimer's Disease, 2010, 22, 593-607.	1.2	18
316	Phenelzine: An Old Drug That May Hold Clues to The Development of New Neuroprotective Agents. Journal of Microbiology and Biotechnology, 2010, 20, 179-186.	0.9	19
317	Fibroblasts from PS1 Mutated Pre-Symptomatic Subjects and Alzheimer's Disease Patients Share a Unique Protein Levels Profile. Journal of Alzheimer's Disease, 2010, 21, 431-444.	1.2	8
318	William R. Markesbery, M.D.: A Legacy of Excellence in Alzheimer's Disease Research and a Life Well-Lived. Journal of Alzheimer's Disease, 2010, 20, 3-4.	1.2	82
319	Oxidative Damage and Progression to Alzheimer's Disease in Patients with Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2010, 21, 1165-1177.	1.2	78
320	Quantitative analysis of phospholipids containing arachidonate and docosahexaenoate chains in microdissected regions of mouse brain. Journal of Lipid Research, 2010, 51, 660-671.	2.0	47
321	Molecular Regulations Induced by Acrolein in Neuroblastoma SK-N-SH Cells: Relevance to Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 21, 1197-1216.	1.2	24
322	Antioxidants Combined with Behavioral Enrichment Can Slow Brain Aging. , 2010, , 381-397.		1
323	Changes of some oxidative stress markers in the serum of patients with mild cognitive impairment and Alzheimer's disease. Neuroscience Letters, 2010, 469, 6-10.	1.0	316
324	Involvements of the lipid peroxidation product, HNE, in the pathogenesis and progression of Alzheimer's diseaseâ˜†. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 924-929.	1.2	249
325	Alterations in brain antioxidant enzymes and redox proteomic identification of oxidized brain proteins induced by the anti-cancer drug adriamycin: implications for oxidative stress-mediated chemobrain. Neuroscience, 2010, 166, 796-807.	1.1	130
326	Signaling effect of amyloid-Î²42 on the processing of AÎ²PP. Experimental Neurology, 2010, 221, 18-25.	2.0	51
327	NOX Activity Is Increased in Mild Cognitive Impairment. Antioxidants and Redox Signaling, 2010, 12, 1371-1382.	2.5	89
328	Roles of 3-nitrotyrosine- and 4-hydroxynonenal-modified brain proteins in the progression and pathogenesis of Alzheimer's disease. Free Radical Research, 2011, 45, 59-72.	1.5	111
329	Efficacy of curry (Murraya koenigii) leaves in scavenging free radicals in vitro and controlling oxidative stress in vivo. Biomedicine and Preventive Nutrition, 2011, 1, 263-267.	0.9	1
330	Formation and Signaling Actions of Electrophilic Lipids. Chemical Reviews, 2011, 111, 5997-6021.	23.0	280

#	Article	IF	Citations
331	Reactive Oxygen Species in the Regulation of Synaptic Plasticity and Memory. Antioxidants and Redox Signaling, 2011, 14, 2013-2054.	2.5	444
332	Increased Protein and Lipid Oxidative Damage in Mitochondria Isolated from Lymphocytes from Patients with Alzheimer's Disease: Insights into the Role of Oxidative Stress in Alzheimer's Disease and Initial Investigations into a Potential Biomarker for this Dementing Disorder. Journal of Alzheimer's Disease, 2011, 24, 77-84.	1.2	100
333	Circulating biomarkers of protein oxidation for Alzheimer disease: Expectations within limits. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 1785-1795.	1.1	56
334	Toxicity of Alzheimer's disease-associated AÎ² peptide is ameliorated in a Drosophila model by tight control of zinc and copper availability. Biological Chemistry, 2011, 392, 919-926.	1.2	46
335	Oxidative Stress in Alzheimerâ€™s Disease: Pathogenesis, Biomarkers and Therapy. , 2011, , .		6
336	4-Hydroxy-2-Nonenal-Modified Glyceraldehyde-3-Phosphate Dehydrogenase Is Degraded by Cathepsin G in Rat Neutrophils. Oxidative Medicine and Cellular Longevity, 2011, 2011, 1-8.	1.9	8
337	Protein Modification by Dicarbonyl Molecular Species in Neurodegenerative Diseases. Journal of Amino Acids, 2011, 2011, 1-9.	5.8	12
338	Sweet and Sour - Oxidative and Carbonyl Stress in Neurological Disorders. CNS and Neurological Disorders - Drug Targets, 2011, 10, 82-107.	0.8	27
339	Role of Programmed Cell Death in Neurodegenerative Disease. , 0, , 135-144.		0
340	Cognitive impairment in humanized APPÃ—PS1 mice is linked to AÎ²1â€“42 and NOX activation. Neurobiology of Disease, 2011, 44, 317-326.	2.1	81
341	Oxidatively modified nucleic acids in preclinical Alzheimer's disease (PCAD) brain. Mechanisms of Ageing and Development, 2011, 132, 443-448.	2.2	110
342	Oxidatively generated DNA damage after Cu(II) catalysis of dopamine and related catecholamine neurotransmitters and neurotoxins: Role of reactive oxygen species. Free Radical Biology and Medicine, 2011, 50, 139-147.	1.3	74
343	Identification of the oxidative stress proteome in the brain. Free Radical Biology and Medicine, 2011, 50, 487-494.	1.3	31
344	Lipid peroxidation and neurodegenerative disease. Free Radical Biology and Medicine, 2011, 51, 1302-1319.	1.3	308
345	Mechanisms of neurodegeneration shared between multiple sclerosis and Alzheimerâ€™s disease. Journal of Neural Transmission, 2011, 118, 747-752.	1.4	96
346	Hawthorn fruit increases the antioxidant capacity and reduces lipid peroxidation in senescence-accelerated mice. European Food Research and Technology, 2011, 232, 743-751.	1.6	22
347	Oxidative Stress in Alzheimer Disease: Synergy Between the Butterfield and Markesbery Laboratories. NeuroMolecular Medicine, 2011, 13, 19-22.	1.8	13
348	Proteomic analysis of brain proteins in APP/PSâ€1 human double mutant knockâ€in mice with increasing amyloid Î²â€peptide deposition: Insights into the effects of in vivo treatment with Nâ€acetylcysteine as a potential therapeutic intervention in mild cognitive impairment and Alzheimer's disease. Proteomics, 2011, 11, 4243-4256.	1.3	39

#	Article	IF	Citations
349	Neuronal and Vascular Oxidative Stress in Alzheimers Disease. Current Neuropharmacology, 2011, 9, 662-673.	1.4	83
350	Oxidative Stress and Cell Membranes in the Pathogenesis of Alzheimer's Disease. Physiology, 2011, 26, 54-69.	1.6	123
351	Nonfibrillar Abeta1â€“42 Inhibits Glutamate Uptake and Phosphorylates p38 in Human Fibroblasts. Alzheimer Disease and Associated Disorders, 2011, 25, 164-172.	0.6	10
352	Kaempferol Attenuates 4-Hydroxynonenal-Induced Apoptosis in PC12 Cells by Directly Inhibiting NADPH Oxidase. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 747-754.	1.3	44
353	Studies on Veterinary Medicine. Oxidative Stress in Applied Basic Research and Clinical Practice, 2011, , .	0.4	3
354	Reactive Aldehydes and Neurodegenerative Disorders. Journal of Microbiology and Biotechnology, 2011, 21, 277-288.	0.9	22
355	Mitochondrial- and Endoplasmic Reticulum-Associated Oxidative Stress in Alzheimer's Disease: From Pathogenesis to Biomarkers. International Journal of Cell Biology, 2012, 2012, 1-23.	1.0	120
356	Monoamine Oxidase Inhibitors and Neuroprotection. American Journal of Therapeutics, 2012, 19, 436-448.	0.5	45
357	The Nrf2-ARE Pathway: A Valuable Therapeutic Target for the Treatment of Neurodegenerative Diseases. Recent Patents on CNS Drug Discovery, 2012, 7, 218-229.	0.9	196
358	Proteasome and NeurodegeneratÄ±ve Diseases. Progress in Molecular Biology and Translational Science, 2012, 109, 397-414.	0.9	10
359	4-Hydroxy-2-Nonenal, a Reactive Product of Lipid Peroxidation, and Neurodegenerative Diseases: A Toxic Combination Illuminated by Redox Proteomics Studies. Antioxidants and Redox Signaling, 2012, 17, 1590-1609.	2.5	184
360	HO-1/BVR-A System Analysis in Plasma from Probable Alzheimer's Disease and Mild Cognitive Impairment Subjects: A Potential Biochemical Marker for the Prediction of the Disease. Journal of Alzheimer's Disease, 2012, 32, 277-289.	1.2	43
361	Role of the Amyloid Precursor Protein and Copper in Alzheimerâ€™s Disease. , 2012, , 181-232.		0
362	Understanding Risk Factors for Alzheimer's Disease: Interplay of Neuroinflammation, Connexin-based Communication and Oxidative Stress. Archives of Medical Research, 2012, 43, 632-644.	1.5	62
363	Inducible protection of human astrocytoma 1321N1 cells against hydrogen peroxide and aldehyde toxicity by 7-hydroxycoumarin is associated with the upregulation of aldo-keto reductases. NeuroToxicology, 2012, 33, 1368-1374.	1.4	17
364	Mapping of Hippocampal pH and Neurochemicals from in vivo Multi-Voxel 31P Study in Healthy Normal Young Male/Female, Mild Cognitive Impairment, and Alzheimer's Disease. Journal of Alzheimer's Disease, 2012, 31, S75-S86.	1.2	48
365	Elevated 4-hydroxyhexenal in Alzheimer's disease (AD) progression. Neurobiology of Aging, 2012, 33, 1034-1044.	1.5	76
366	Role of ABC Transporters in the Pathogenesis of Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2012, 3, 820-831.	1.7	107

#	Article	IF	Citations
367	Antioxidants in the canine model of human aging. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 685-689.	1.8	24
368	Oxidative stress and cerebral endothelial cells: Regulation of the bloodâ€“brain-barrier and antioxidant based interventions. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 822-829.	1.8	134
369	The neuroprotective effect of vitamin E on chronic sleep deprivation-induced memory impairment: The role of oxidative stress. Behavioural Brain Research, 2012, 226, 205-210.	1.2	173
370	Blood markers of oxidative stress in <scp>A</scp>lzheimer's disease. Journal of Cellular and Molecular Medicine, 2012, 16, 2291-2300.	1.6	71
371	Mitochondrial Abnormalities in Alzheimerâ€™s Disease. Advances in Pharmacology, 2012, 64, 83-126.	1.2	66
372	Amyloid-Î² Production: Major Link Between Oxidative Stress and BACE1. Neurotoxicity Research, 2012, 22, 208-219.	1.3	91
373	Conformational Altered p53 as an Early Marker of Oxidative Stress in Alzheimer's Disease. PLoS ONE, 2012, 7, e29789.	1.1	59
374	Neuroprotection and Neuroregeneration in Alzheimer's Disease. International Journal of Alzheimer's Disease, 2012, 2012, 1-1.	1.1	2
375	4-Hydroxyhexenal (HHE) Impairs Glutamate Transport in Astrocyte Cultures. Journal of Alzheimer's Disease, 2012, 32, 139-146.	1.2	8
376	The Complexity of Sporadic Alzheimerâ€™s Disease Pathogenesis: The Role of RAGE as Therapeutic Target to Promote Neuroprotection by Inhibiting Neurovascular Dysfunction. International Journal of Alzheimer's Disease, 2012, 2012, 1-13.	1.1	41
377	The Dying of the Light: Mitochondrial Failure in Alzheimer's Disease. Journal of Alzheimer's Disease, 2012, 28, 771-781.	1.2	35
378	Protective Effects of Purple Sweet Potato Added to Bacillus subtilis-Fermented Soymilk against Amyloid beta-Induced Memory Impairment. Journal of Agricultural Science, 2012, 4, .	0.1	1
379	Iron toxicity in neurodegeneration. BioMetals, 2012, 25, 761-776.	1.8	155
380	Alzheimer culprits: Cellular crossroads and interplay. Cellular Signalling, 2012, 24, 1831-1840.	1.7	76
381	Metal dyshomeostasis and oxidative stress in Alzheimerâ€™s disease. Neurochemistry International, 2013, 62, 540-555.	1.9	376
382	Granulocyte colony stimulating factor (GCSF) improves memory and neurobehavior in an amyloid-Î² induced experimental model of Alzheimer's disease. Pharmacology Biochemistry and Behavior, 2013, 110, 46-57.	1.3	63
383	A randomized controlled Alzheimer's disease prevention trial's evolution into an exposure trial: The preadvise trial. Journal of Nutrition, Health and Aging, 2013, 17, 72-75.	1.5	45
384	AmyloidÎ²-Peptide (1â€“42)-Induced Oxidative Stress in Alzheimer Disease: Importance in Disease Pathogenesis and Progression. Antioxidants and Redox Signaling, 2013, 19, 823-835.	2.5	439

#	Article	IF	Citations
385	G Proteins, p60TRP, and Neurodegenerative Diseases. Molecular Neurobiology, 2013, 47, 1103-1111.	1.9	14
386	Oxidative modification of lipoic acid by HNE in Alzheimer disease brain. Redox Biology, 2013, 1, 80-85.	3.9	108
387	Evaluation of the effect of pentoxifylline on sleep-deprivation induced memory impairment. Hippocampus, 2013, 23, 812-819.	0.9	33
388	Characterization of Phosphatidylcholine Oxidation Products by MALDI MSⁿ. Analytical Chemistry, 2013, 85, 11410-11419.	3.2	16
389	Lymphocyte mitochondria: toward identification of peripheral biomarkers in the progression of Alzheimer disease. Free Radical Biology and Medicine, 2013, 65, 595-606.	1.3	56
390	Involvement of brain oxidation in the cognitive impairment in a triple transgenic mouse model of Alzheimer's disease: Noninvasive measurement of the brain redox state by magnetic resonance imaging. Free Radical Research, 2013, 47, 731-739.	1.5	14
391	Aldoâ€“keto reductases mediate constitutive and inducible protection against aldehyde toxicity in human neuroblastoma SH-SY5Y cells. Neurochemistry International, 2013, 62, 113-121.	1.9	35
392	Tartary buckwheat improves cognition and memory function in an in vivo amyloid-Î²-induced Alzheimer model. Food and Chemical Toxicology, 2013, 53, 105-111.	1.8	48
393	Vitamin E prevents high-fat high-carbohydrates diet-induced memory impairment: The role of oxidative stress. Physiology and Behavior, 2013, 119, 72-78.	1.0	105
394	Mitochondrial DNA Oxidative Damage and Repair in Aging and Alzheimer's Disease. Antioxidants and Redox Signaling, 2013, 18, 2444-2457.	2.5	138
396	Peptidyl-prolyl cis/trans-Isomerase A1 (Pin1) Is a Target for Modification by Lipid Electrophiles. Chemical Research in Toxicology, 2013, 26, 270-279.	1.7	28
397	Role of Oxidative Stress in Refractory Epilepsy: Evidence in Patients and Experimental Models. International Journal of Molecular Sciences, 2013, 14, 1455-1476.	1.8	109
398	Pretreatment with Pyridoxamine Mitigates Isolevuglandin-associated Retinal Effects in Mice Exposed to Bright Light. Journal of Biological Chemistry, 2013, 288, 29267-29280.	1.6	25
399	Oxidative Stress and the Pathogenesis of Alzheimer's Disease. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-10.	1.9	568
400	Metal Dyshomeostasis and Inflammation in Alzheimerâ€™s and Parkinsonâ€™s Diseases: Possible Impact of Environmental Exposures. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-19.	1.9	99
401	Candidate Bio-Markers of Alzheimerâ€™s Disease. , 0, , .		2
402	Strategies for Reversing Age-Related Sympathetic Neuropathy Loss in Immune Organs. Advances in Neuroimmune Biology, 2013, 4, 97-123.	0.7	0
403	Anticonvulsant and Antioxidant Effects ofTilia americanavar.mexicanaand Flavonoids Constituents in the Pentylenetetrazole-Induced Seizures. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-10.	1.9	39

#	Article	IF	Citations
404	Chronic Vitamin C Deficiency Promotes Redox Imbalance in the Brain but Does Not Alter Sodium-Dependent Vitamin C Transporter 2 Expression. Nutrients, 2014, 6, 1809-1822.	1.7	6
405	Biomarkers of oxidative/nitrosative stress and neurotoxicity. , 2014, , 863-881.		0
406	Role of Oxidative Stress in Neurodegenerative Diseases and Other Diseases Related to Aging. , 2014, , 167-184.		2
407	Unregulated Lipid Peroxidation in Neurological Dysfunction. , 2014, , 31-55.		6
408	Neuropathology staging and treatment strategies of Alzheimerâ€²s disease: An update. International Journal of Nutrition, Pharmacology, Neurological Diseases, 2014, 4, 28.	0.6	2
409	In vitro free radical scavenging and in vivo antioxidant potential of mulberry (Morus indica L.) leaves. Journal of Herbal Medicine, 2014, 4, 10-17.	1.0	27
410	Motor Neuron Disease: A Chemical Perspective. Journal of Medicinal Chemistry, 2014, 57, 6316-6331.	2.9	10
411	A novel odor filtering and sensing system combined with regression analysis for chemical vapor quantification. Sensors and Actuators B: Chemical, 2014, 200, 269-287.	4.0	20
412	Redox Control of Microglial Function: Molecular Mechanisms and Functional Significance. Antioxidants and Redox Signaling, 2014, 21, 1766-1801.	2.5	261
413	Cellular protection using Flt3 and PI3KÎ± inhibitors demonstrates multiple mechanisms of oxidative glutamate toxicity. Nature Communications, 2014, 5, 3672.	5.8	106
414	Dual-energy precursor and nuclear erythroidâ€“related factor 2 activator treatment additively improve redox glutathione levels and neuron survival in aging and Alzheimer mouse neurons upstream of reactive oxygen species. Neurobiology of Aging, 2014, 35, 179-190.	1.5	35
415	Oxidative stress and mitochondrial dysfunction in Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1240-1247.	1.8	982
416	Oxidative damage and the Nrf2-ARE pathway in neurodegenerative diseases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1208-1218.	1.8	231
417	Redox proteomics analysis to decipher the neurobiology of Alzheimer-like neurodegeneration: overlaps in Down's syndrome and Alzheimer's disease brain. Biochemical Journal, 2014, 463, 177-189.	1.7	93
418	Neuronal failure in Alzheimerâ€™s disease: a view through the oxidative stress looking-glass. Neuroscience Bulletin, 2014, 30, 243-252.	1.5	95
419	Antioxidants and human diseases. Clinica Chimica Acta, 2014, 436, 332-347.	0.5	353
420	Mass spectrometry and redox proteomics: Applications in disease. Mass Spectrometry Reviews, 2014, 33, 277-301.	2.8	98
421	The Janus face of the heme oxygenase/biliverdin reductase system in Alzheimer disease: It's time for reconciliation. Neurobiology of Disease, 2014, 62, 144-159.	2.1	109

#	Article	IF	Citations
422	Fatty Acid Composition of the Anterior Cingulate Cortex Indicates a High Susceptibility to Lipid Peroxidation in Parkinson's Disease. Journal of Parkinson's Disease, 2015, 5, 175-185.	1.5	16
423	Heat shock proteins and hormesis in the diagnosis and treatment of neurodegenerative diseases. Immunity and Ageing, 2015, 12, 20.	1.8	111
424	4-Hydroxy-nonenalâ€"A Bioactive Lipid Peroxidation Product. Biomolecules, 2015, 5, 2247-2337.	1.8	160
425	Alzheimerâ€™s Disease: Mechanism and Approach to Cell Therapy. International Journal of Molecular Sciences, 2015, 16, 26417-26451.	1.8	82
426	Docosahexaenoic (DHA) modulates phospholipid-hydroperoxide glutathione peroxidase (Gpx4) gene expression to ensure self-protection from oxidative damage in hippocampal cells. Frontiers in Physiology, 2015, 6, 203.	1.3	45
427	Characterization of Aldh2 -/- mice as an age-related model of cognitive impairment and Alzheimerâ€™s disease. Molecular Brain, 2015, 8, 27.	1.3	67
428	DNA damage in non-communicable diseases: A clinical and epidemiological perspective. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2015, 776, 118-127.	0.4	50
429	Targeting Mitochondria for Healthy Brain Aging. , 2015, , 71-83.		0
430	On the role of 4-hydroxynonenal in health and disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 826-838.	1.8	189
431	AÎ² induces oxidative stress in senescence-accelerated (SAMP8) mice. Bioscience, Biotechnology and Biochemistry, 2015, 79, 912-918.	0.6	13
432	The Effect of Waterpipe Tobacco Smoke Exposure on Learning and Memory Functions in the Rat Model. Journal of Molecular Neuroscience, 2015, 57, 249-256.	1.1	38
433	Analytical approaches to the diagnosis and treatment of aging and aging-related disease: redox status and proteomics. Free Radical Research, 2015, 49, 511-524.	1.5	34
434	Novel approaches to identify protein adducts produced by lipid peroxidation. Free Radical Research, 2015, 49, 881-887.	1.5	21
435	Biomarkers of lipid peroxidation in Alzheimer disease (AD): an update. Archives of Toxicology, 2015, 89, 1035-1044.	1.9	132
436	Anxiolytic and antidepressant profile of the methanolic extract of Piper nigrum fruits in beta-amyloid (1â€“42) rat model of Alzheimerâ€™s disease. Behavioral and Brain Functions, 2015, 11, 13.	1.4	68
437	Oxidative stress, insulin resistance, dyslipidemia and type 2 diabetes mellitus. World Journal of Diabetes, 2015, 6, 456.	1.3	802
438	Lipid Metabolism and Oxidation in Neurons and Glial Cells. , 2015, , 53-85.		2
439	Exploring the effect of vitamin C on sleep deprivation induced memory impairment. Brain Research Bulletin, 2015, 113, 41-47.	1.4	48

#	Article	IF	Citations
440	Nrf2â€"a therapeutic target for the treatment of neurodegenerative diseases. Free Radical Biology and Medicine, 2015, 88, 253-267.	1.3	262
441	Protein â€œamyloid-likeâ€•networks at the phospholipid membrane formed by 4-hydroxy-2-nonenal-modified mitochondrial creatine kinase. Molecular Membrane Biology, 2015, 32, 1-10.	2.0	8
442	Omega-3 fatty acid obtained from Nannochloropsis oceanica cultures grown under low urea protect against Abeta-induced neural damage. Journal of Food Science and Technology, 2015, 52, 2982-2989.	1.4	13
443	Strategy to reduce free radical species in Alzheimerâ€™s disease: an update of selected antioxidants. Expert Review of Neurotherapeutics, 2015, 15, 19-40.	1.4	87
444	Ursolic acid attenuates beta-amyloid-induced memory impairment in mice. Arquivos De Neuro-Psiquiatria, 2016, 74, 482-488.	0.3	34
445	Nutrients, Microglia Aging, and Brain Aging. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-9.	1.9	39
446	Nrf2 Signaling: An Adaptive Response Pathway for Neurodegenerative Disorders. , 0, , .		0
447	Effects of inhaled juniper volatile oil in amyloid beta (1â€42)â€•induced anxiety and depression in laboratory rats. Flavour and Fragrance Journal, 2016, 31, 149-157.	1.2	5
448	Quercetin and quercetin-3-Î²-d-glucoside improve cognitive and memory function in Alzheimerâ€™s disease mouse. Applied Biological Chemistry, 2016, 59, 721-728.	0.7	26
450	Inflammation, Aging, and Oxidative Stress. Oxidative Stress in Applied Basic Research and Clinical Practice, 2016, , .	0.4	9
451	A possible significant role of zinc and GPR39 zinc sensing receptor in Alzheimer disease and epilepsy. Biomedicine and Pharmacotherapy, 2016, 79, 263-272.	2.5	37
452	Vitamin E in aging persons with Down syndrome. Neurology, 2016, 86, 2071-2076.	1.5	47
453	Anxiolytic and antidepressantâ€•like effects of Ferulago angulata essential oil in the scopolamine rat model of Alzheimer's disease. Flavour and Fragrance Journal, 2016, 31, 70-80.	1.2	31
454	The levels of 7,8-dihydrodeoxyguanosine (8-oxoG) and 8-oxoguanine DNA glycosylase 1 (OGG1) â€“ A potential diagnostic biomarkers of Alzheimer's disease. Journal of the Neurological Sciences, 2016, 368, 155-159.	0.3	63
455	Tropomyosins in the healthy and diseased nervous system. Brain Research Bulletin, 2016, 126, 311-323.	1.4	20
456	Nucleic acid oxidative damage in Alzheimer's diseaseâ€"explained by the hepcidin-ferroportin neuronal iron overload hypothesis?. Journal of Trace Elements in Medicine and Biology, 2016, 38, 1-9.	1.5	36
457	Can â€˜calpain-cathepsin hypothesisâ€™ explain Alzheimer neuronal death?. Ageing Research Reviews, 2016, 32, 169-179.	5.0	43
458	Influence of tissue, diet, and enzymatic remodeling on cardiolipin fatty acyl profile. Molecular Nutrition and Food Research, 2016, 60, 1804-1818.	1.5	32

#	Article	IF	Citations
459	Amyloid Plaque-Associated Oxidative Degradation of Uniformly Radiolabeled Arachidonic Acid. ACS Chemical Neuroscience, 2016, 7, 367-377.	1.7	22
460	Effects of the Methanolic Extract of Vitellaria paradoxa Stem Bark Against Scopolamine-Induced Cognitive Dysfunction and Oxidative Stress in the Rat Hippocampus. Cellular and Molecular Neurobiology, 2016, 36, 1139-1149.	1.7	14
461	Two-Dimensional Potentials of Mean Force of Nile Red in Intact and Damaged Model Bilayers. Application to Calculations of Fluorescence Spectra. Journal of Chemical Theory and Computation, 2016, 12, 364-371.	2.3	11
462	Oxidative stress and hippocampal synaptic protein levels in elderly cognitively intact individuals with Alzheimer's disease pathology. Neurobiology of Aging, 2016, 42, 1-12.	1.5	69
463	Oxidative Challenge in Alzheimer's Disease: State of Knowledge and Future Needs. Journal of Investigative Medicine, 2016, 64, 21-32.	0.7	60
464	Hydrogen Peroxide-Induced Oxidative Stress Activates Proteasomal Trypsin-Like Activity in Human U373 Glioma Cells. Journal of Molecular Neuroscience, 2016, 58, 297-305.	1.1	7
465	Tempol prevents chronic sleep-deprivation induced memory impairment. Brain Research Bulletin, 2016, 120, 144-150.	1.4	38
466	Chronic Melatonin Treatment Prevents Memory Impairment Induced by Chronic Sleep Deprivation. Molecular Neurobiology, 2016, 53, 3439-3447.	1.9	54
467	Regulation of SET Gene Expression by NFkB. Molecular Neurobiology, 2017, 54, 4477-4485.	1.9	19
468	Oxidative stress, protein modification and Alzheimer disease. Brain Research Bulletin, 2017, 133, 88-96.	1.4	230
469	Early involvement of lysosome dysfunction in the degeneration of cerebral cortical neurons caused by the lipid peroxidation product 4â€hydroxynonenal. Journal of Neurochemistry, 2017, 140, 941-954.	2.1	23
470	GDE2 is essential for neuronal survival in the postnatal mammalian spinal cord. Molecular Neurodegeneration, 2017, 12, 8.	4.4	15
471	L-carnitine prevents memory impairment induced by chronic REM-sleep deprivation. Brain Research Bulletin, 2017, 131, 176-182.	1.4	40
472	Astrocyte dysfunction in Alzheimer disease. Journal of Neuroscience Research, 2017, 95, 2430-2447.	1.3	189
473	Engineering Foods for Bioactives Stability and Delivery. Food Engineering Series, 2017, , .	0.3	6
474	Chemical Stability: Browning and Oxidation. Food Engineering Series, 2017, , 361-400.	0.3	2
475	Protein Modification by Endogenously Generated Lipid Electrophiles: Mitochondria as the Source and Target. ACS Chemical Biology, 2017, 12, 2062-2069.	1.6	30
476	Evidence that fetal death is associated with placental aging. American Journal of Obstetrics and Gynecology, 2017, 217, 441.e1-441.e14.	0.7	67

#	Article	IF	Citations
477	Increased acetylation of Peroxiredoxin1 by HDAC6 inhibition leads to recovery of AÎ²-induced impaired axonal transport. Molecular Neurodegeneration, 2017, 12, 23.	4.4	52
478	Sensitive determination of malondialdehyde in exhaled breath condensate and biological fluids by capillary electrophoresis with laser induced fluorescence detection. Talanta, 2017, 169, 85-90.	2.9	20
479	Contribution of the HNE-immunohistochemistry to modern pathological concepts of major human diseases. Free Radical Biology and Medicine, 2017, 111, 110-126.	1.3	62
480	Deuteriumâ€reinforced polyunsaturated fatty acids improve cognition in a mouse model of sporadic Alzheimer's disease. FEBS Journal, 2017, 284, 4083-4095.	2.2	38
481	Regulation of autophagy, mitochondrial dynamics, and cellular bioenergetics by 4-hydroxynonenal in primary neurons. Autophagy, 2017, 13, 1828-1840.	4.3	57
482	Chronic traumatic encephalopathy-integration of canonical traumatic brain injury secondary injury mechanisms with tau pathology. Progress in Neurobiology, 2017, 158, 15-44.	2.8	48
483	ABC Transporters Are Key Players in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2017, 61, 463-485.	1.2	57
484	Neuroprotective effect of Indian propolis in Î²-amyloid induced memory deficit: Impact on behavioral and biochemical parameters in rats. Biomedicine and Pharmacotherapy, 2017, 93, 543-553.	2.5	32
485	Role of 4-hydroxy-2-nonenal (HNE) in the pathogenesis of alzheimer disease and other selected age-related neurodegenerative disorders. Free Radical Biology and Medicine, 2017, 111, 253-261.	1.3	190
486	Glutathione peroxidase 4: a new player in neurodegeneration?. Molecular Psychiatry, 2017, 22, 328-335.	4.1	196
487	The Triangle of Death in Alzheimer's Disease Brain: The Aberrant Cross-Talk Among Energy Metabolism, Mammalian Target of Rapamycin Signaling, and Protein Homeostasis Revealed by Redox Proteomics. Antioxidants and Redox Signaling, 2017, 26, 364-387.	2.5	97
488	Neurodegenerative Disorders. , 2017, , 1-16.		18
489	Proteomic Analysis of Mitochondria-Enriched Fraction Isolated from the Frontal Cortex and Hippocampus of Apolipoprotein E Knockout Mice Treated with Alda-1, an Activator of Mitochondrial Aldehyde Dehydrogenase (ALDH2). International Journal of Molecular Sciences, 2017, 18, 435.	1.8	6
490	Study on Analysis of Peripheral Biomarkers for Alzheimerâ€™s Disease Diagnosis. Frontiers in Neurology, 2017, 8, 328.	1.1	42
491	APP Function and Lipids: A Bidirectional Link. Frontiers in Molecular Neuroscience, 2017, 10, 63.	1.4	76
492	Carbonyl Scavenging as an Antioxidant Neuroprotective Strategy for Acute Traumatic Brain Injury. , 2017, , 211-224.		2
493	Mitochondrial rescue prevents glutathione peroxidase-dependent ferroptosis. Free Radical Biology and Medicine, 2018, 117, 45-57.	1.3	223
494	Molecular dynamics simulation studies suggests unconventional roles of non-secretary laccases from enteropathogenic gut bacteria and Cryptococcus neoformans serotype D. Computational Biology and Chemistry, 2018, 73, 41-48.	1.1	7

#	Article	IF	Citations
495	Levosimendan enhances memory through antioxidant effect in rat model: behavioral and molecular study. Behavioural Pharmacology, 2018, 29, 344-350.	0.8	17
496	Is there a role for placental senescence in the genesis of obstetric complications and fetal growth restriction?. American Journal of Obstetrics and Gynecology, 2018, 218, S762-S773.	0.7	97
497	Pathophysiology in the comorbidity of Bipolar Disorder and Alzheimer's Disease: pharmacological and stem cell approaches. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 80, 34-53.	2.5	24
498	The interplay between inflammation, oxidative stress, DNA damage, DNA repair and mitochondrial dysfunction in depression. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 80, 309-321.	2.5	206
499	Oxidative stress and the amyloid beta peptide in Alzheimerâ€™s disease. Redox Biology, 2018, 14, 450-464.	3.9	1,411
500	Melatonin prevents memory impairment induced by high-fat diet: Role of oxidative stress. Behavioural Brain Research, 2018, 336, 93-98.	1.2	50
501	Functional adlayers on Au electrodes: some recent applications in hydrogen evolution and oxygen reduction. Journal of Materials Chemistry A, 2018, 6, 1323-1339.	5.2	14
502	Metabolic Syndrome and Its Effect on the Brain: Possible Mechanism. CNS and Neurological Disorders - Drug Targets, 2018, 17, 595-603.	0.8	33
503	Potential Role of Fluoride in the Etiopathogenesis of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2018, 19, 3965.	1.8	23
504	Oxidative Stress in Elderly with Different Cognitive Status: My Mind Project. Journal of Alzheimer's Disease, 2018, 63, 1405-1414.	1.2	8
505	Metal Binding to AÎ² Peptides Inhibits Interaction with Cytochrome c: Insights from Abiological Constructs. ACS Omega, 2018, 3, 13994-14003.	1.6	5
506	Rollercoaster ride of kynurenines: steering the wheel towards neuroprotection in Alzheimerâ€™s disease. Expert Opinion on Therapeutic Targets, 2018, 22, 849-867.	1.5	11
507	Cognitive Deficits Are Attenuated in Neuroglobin Overexpressing Mice Exposed to a Model of Obstructive Sleep Apnea. Frontiers in Neurology, 2018, 9, 426.	1.1	15
508	Stem Cells as Potential Targets of Polyphenols in Multiple Sclerosis and Alzheimerâ€™s Disease. BioMed Research International, 2018, 2018, 1-30.	0.9	21
509	Shaping the Nrf2-ARE-related pathways in Alzheimerâ€™s and Parkinsonâ€™s diseases. Ageing Research Reviews, 2019, 54, 100942.	5.0	163
510	Yin-Yang Mechanisms Regulating Lipid Peroxidation of Docosahexaenoic Acid and Arachidonic Acid in the Central Nervous System. Frontiers in Neurology, 2019, 10, 642.	1.1	53
511	Biological, Diagnostic and Therapeutic Advances in Alzheimer's Disease. , 2019, , .		6
512	Redox active metals in neurodegenerative diseases. Journal of Biological Inorganic Chemistry, 2019, 24, 1141-1157.	1.1	60

#	Article	IF	Citations
513	The protective effect of edaravone on memory impairment induced by chronic sleep deprivation. Psychiatry Research, 2019, 281, 112577.	1.7	15
514	Chemical Basis of Reactive Oxygen Species Reactivity and Involvement in Neurodegenerative Diseases. International Journal of Molecular Sciences, 2019, 20, 2407.	1.8	485
515	Bioanalytical and Mass Spectrometric Methods for Aldehyde Profiling in Biological Fluids. Toxics, 2019, 7, 32.	1.6	33
516	The Emerging Role of Electrophiles as a Key Regulator for Endoplasmic Reticulum (ER) Stress. International Journal of Molecular Sciences, 2019, 20, 1783.	1.8	12
517	Reductive Reprogramming: A Not-So-Radical Hypothesis of Neurodegeneration Linking Redox Perturbations to Neuroinflammation and Excitotoxicity. Cellular and Molecular Neurobiology, 2019, 39, 577-590.	1.7	8
518	Activation of microglia and astrocytes: a roadway to neuroinflammation and Alzheimerâ€™s disease. Inflammopharmacology, 2019, 27, 663-677.	1.9	276
519	Biomarkers of Oxidative/Nitrosative Stress and Neurotoxicity. , 2019, , 1013-1031.		0
520	Insights into the Discovery of Novel Neuroprotective Agents: A Comparative Study between Sulfanylcinnamic Acid Derivatives and Related Phenolic Analogues. Molecules, 2019, 24, 4405.	1.7	11
521	Redox proteomics and amyloid Î²â€peptide: insights into Alzheimer disease. Journal of Neurochemistry, 2019, 151, 459-487.	2.1	80
522	Diffusion tensor imaging based white matter changes and antioxidant enzymes status for early identification of mild cognitive impairment. International Journal of Neuroscience, 2019, 129, 209-216.	0.8	5
523	Role of Aldehyde Dehydrogenases in Physiopathological Processes. Chemical Research in Toxicology, 2019, 32, 405-420.	1.7	35
524	Effects of Phenelzine Administration on Mitochondrial Function, Calcium Handling, and Cytoskeletal Degradation after Experimental Traumatic Brain Injury. Journal of Neurotrauma, 2019, 36, 1231-1251.	1.7	11
525	Involvement of GAT2/BGT-1 in the preventive effects of betaine on cognitive impairment and brain oxidative stress in amyloid Î² peptide-injected mice. European Journal of Pharmacology, 2019, 842, 57-63.	1.7	23
526	4-Hydroxy-7-oxo-5-heptenoic acid lactone is a potent inducer of brain cancer cell invasiveness that may contribute to the failure of anti-angiogenic therapies. Free Radical Biology and Medicine, 2020, 146, 234-256.	1.3	2
527	Effects of Docosahexaenoic Acid and Its Peroxidation Product on Amyloid-Î² Peptide-Stimulated Microglia. Molecular Neurobiology, 2020, 57, 1085-1098.	1.9	18
528	DNA Adducts as Biomarkers To Predict, Prevent, and Diagnose Diseaseâ€”Application of Analytical Chemistry to Clinical Investigations. Chemical Research in Toxicology, 2020, 33, 286-307.	1.7	8
529	Exposure to 3-Nitropropionic Acid Mitochondrial Toxin Induces Tau Pathology in Tangle-Mouse Model and in Wild Type-Mice. Frontiers in Cell and Developmental Biology, 2019, 7, 321.	1.8	12
530	Co-Expression of Three Wild-Type 3R-Tau Isoforms Induces Memory Deficit via Oxidation-Related DNA Damage and Cell Death: A Promising Model for Tauopathies. Journal of Alzheimer's Disease, 2020, 73, 1105-1123.	1.2	6

#	Article	IF	Citations
531	Proteostasis Disturbances and Inflammation in Neurodegenerative Diseases. Cells, 2020, 9, 2183.	1.8	26
532	Expression of Neuronal Na+/K+-ATPase Î± Subunit Isoforms in the Mouse Brain Following Genetically Programmed or Behaviourally-induced Oxidative Stress. Neuroscience, 2020, 442, 202-215.	1.1	3
533	Connecting the â€œDotsâ€• From Free Radical Lipid Autoxidation to Cell Pathology and Disease. Chemical Reviews, 2020, 120, 12757-12787.	23.0	61
534	Role of Oxidative Stress and Antioxidant Defense Biomarkers in Neurodegenerative Diseases. Critical Reviews in Eukaryotic Gene Expression, 2020, 30, 311-322.	0.4	31
535	Neuronal Calcium Imaging, Excitability, and Plasticity Changes in the Aldh2â€“/â€“ Mouse Model of Sporadic Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2020, 77, 1623-1637.	1.2	10
536	Astaxanthin Ameliorated Parvalbumin-Positive Neuron Deficits and Alzheimerâ€™s Disease-Related Pathological Progression in the Hippocampus of AppNL-G-F/NL-G-F Mice. Frontiers in Pharmacology, 2020, 11, 307.	1.6	27
537	Inflammation in Neurological Disorders: The Thin Boundary Between Brain and Periphery. Antioxidants and Redox Signaling, 2020, 33, 191-210.	2.5	68
538	Intake of Ï‰-6 Polyunsaturated Fatty Acid-Rich Vegetable Oils and Risk of Lifestyle Diseases. Advances in Nutrition, 2020, 11, 1489-1509.	2.9	37
539	Oxidative Stress in Autism Spectrum Disorder. Molecular Neurobiology, 2020, 57, 2314-2332.	1.9	159
540	Protective effects of phenelzine administration on synaptic and non-synaptic cortical mitochondrial function and lipid peroxidation-mediated oxidative damage following TBI in young adult male rats. Experimental Neurology, 2020, 330, 113322.	2.0	12
541	Neuroprotective Effects of Withania somnifera on 4-Hydroxynonenal Induced Cell Death in Human Neuroblastoma SH-SY5Y Cells Through ROS Inhibition and Apoptotic Mitochondrial Pathway. Neurochemical Research, 2021, 46, 171-182.	1.6	2
542	Every-other day fasting prevents memory impairment induced by high fat-diet: Role of oxidative stress. Physiology and Behavior, 2021, 229, 113263.	1.0	9
543	Supplementation with Î³-glutamylcysteine (Î³-GC) lessens oxidative stress, brain inflammation and amyloid pathology and improves spatial memory in a murine model of AD. Neurochemistry International, 2021, 144, 104931.	1.9	44
544	The Interplay of ABC Transporters in AÎ² Translocation and Cholesterol Metabolism: Implicating Their Roles in Alzheimerâ€™s Disease. Molecular Neurobiology, 2021, 58, 1564-1582.	1.9	45
545	Whey proteins inhibit food intake and tend to improve oxidative balance in obese zucker rats. Eating and Weight Disorders, 2021, 26, 2453-2461.	1.2	1
546	Nanodelivery of traditional Chinese Gingko Biloba extract EGb-761 and bilobalide BN-52021 induces superior neuroprotective effects on pathophysiology of heat stroke. Progress in Brain Research, 2021, 265, 249-315.	0.9	5
547	The Potential Role of Ferroptosis in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2021, 80, 907-925.	1.2	45
548	Proteostasis in the Male and Female Germline: A New Outlook on the Maintenance of Reproductive Health. Frontiers in Cell and Developmental Biology, 2021, 9, 660626.	1.8	11

#	Article	IF	Citations
549	Oxidative Stress, Neuroinflammation, and NADPH Oxidase: Implications in the Pathogenesis and Treatment of Alzheimerâ€™s Disease. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-19.	1.9	52
550	Luminescent lanthanide complexes for reactive oxygen species biosensing and possible application in Alzheimerâ€™s diseases. FEBS Journal, 2022, 289, 2516-2539.	2.2	12
551	NOX4 promotes ferroptosis of astrocytes by oxidative stress-induced lipid peroxidation via the impairment of mitochondrial metabolism in Alzheimer's diseases. Redox Biology, 2021, 41, 101947.	3.9	237
552	Oxygenâ€derived free radicals: Production, biological importance, bioimaging, and analytical detection with responsive luminescent nanoprobes. View, 2021, 2, 20200139.	2.7	13
553	NORMA: The Network Makeup Artist â€" A Web Tool for Network Annotation Visualization. Genomics, Proteomics and Bioinformatics, 2022, 20, 578-586.	3.0	8
554	Linking Oxidative Stress and Proteinopathy in Alzheimerâ€™s Disease. Antioxidants, 2021, 10, 1231.	2.2	57
555	Site-Specific Alkylation of the Islet Amyloid Polypeptide Accelerates Self-Assembly and Potentiates Perturbation of Lipid Membranes. Biochemistry, 2021, 60, 2285-2299.	1.2	6
556	Long-Term Treatment of Cuban Policosanol Attenuates Abnormal Oxidative Stress and Inflammatory Response via Amyloid Plaques Reduction in 5xFAD Mice. Antioxidants, 2021, 10, 1321.	2.2	9
557	Metallobiology and therapeutic chelation of biometals (copper, zinc and iron) in Alzheimerâ€™s disease: Limitations, and current and future perspectives. Journal of Trace Elements in Medicine and Biology, 2021, 67, 126779.	1.5	60
558	Lipids in Alzheimerâ€™s Disease Brain. , 2009, , 563-582.		3
559	The Glutamatergic System in Alzheimerâ€™s Disease Brain: Dysfunction Associated with Amyloid Î²-Peptide and Oxidative Stress. , 2004, , 251-262.		2
560	Molecular Pathology of Alzheimerâ€™s Disease and Related Disorders. Cerebral Cortex, 1999, , 603-654.	0.6	23
561	Detection of 4-Hydroxy-2-Nonenal- and 3-Nitrotyrosine-Modified Proteins Using a Proteomics Approach. Methods in Molecular Biology, 2009, 519, 351-361.	0.4	15
562	Proteomics Identification of Carbonylated and HNE-Bound Brain Proteins in Alzheimerâ€™s Disease. Methods in Molecular Biology, 2009, 566, 123-135.	0.4	28
563	Oxidative Stress, Cognitive Dysfunction, and Brain Aging. Oxidative Stress in Applied Basic Research and Clinical Practice, 2011, , 101-111.	0.4	1
564	The involvement of glial cell-derived reactive oxygen and nitrogen species in Alzheimerâ€™s disease. , 2001, , 173-195.		3
565	Reactive Oxygen Species and Protein Oxidation in Neurodegenerative Disease. Oxidative Stress in Applied Basic Research and Clinical Practice, 2016, , 199-212.	0.4	1
566	The Role of AÎ² and Tau Oligomers in the Pathogenesis of Alzheimerâ€™s Disease. , 2012, , 135-188.		5

#	Article	IF	Citations
567	Oxidative Stress in Alzheimerâ€™s Disease: Molecular Hallmarks of Underlying Vulnerability. , 2019, , 91-115.		26
568	A randomized controlled Alzheimerâ€™s disease Prevention trialâ€™s evolution into an exposure trial: The Preadvise trial. Journal of Nutrition, Health and Aging, 2013, 17, 72-5.	1.5	35
569	Oxidized cholesterol species as signaling molecules in the brain: diabetes and Alzheimerâ€™s disease. Neuronal Signaling, 2019, 3, NS20190068.	1.7	8
571	Oxidative stress mediates tau-induced neurodegeneration in Drosophila. Journal of Clinical Investigation, 2007, 117, 236-245.	3.9	262
572	Selective impairment of p53-mediated cell death in fibroblasts from sporadic Alzheimer's disease patients. Journal of Cell Science, 2002, 115, 3131-3138.	1.2	70
573	Di-Tyrosine Cross-Link Decreases the Collisional Cross-Section of AÎ² Peptide Dimers and Trimers in the Gas Phase: An Ion Mobility Study. PLoS ONE, 2014, 9, e100200.	1.1	23
574	Lipid peroxidation and cell cycle signaling: 4-hydroxynonenal, a key molecule in stress mediated signaling.. Acta Biochimica Polonica, 2003, 50, 319-336.	0.3	212
575	4-Hydroxynonenal in the Pathogenesis and Progression of Human Diseases. Current Medicinal Chemistry, 2013, 21, 230-237.	1.2	140
576	Role of Environmental and Inflammatory Toxicity in Neuronal Cell Death. The Open Toxicology Journal, 2008, 2, 26-41.	1.0	1
577	Mitochondrial dysfunction in human pathologies. Frontiers in Bioscience - Landmark, 2007, 12, 1131.	3.0	64
578	é«˜é½¢è€…ã®ç—´å‘†ã•„éŠ. Japanese Journal of Geriatrics, 2000, 37, 939-948.	0.0	2
579	Oxidative stress in neurodegenerative diseases. Neural Regeneration Research, 2012, 7, 376-85.	1.6	328
580	Effect of the Lipid Peroxidation Product 4-Hydroxynonenal on Neuroinflammation in Microglial Cells: Protective Role of Quercetin and Monochloropivaloylquercetin. Turkish Journal of Pharmaceutical Sciences, 2019, 16, 54-61.	0.6	5
581	Functional Implications of Transporters Under Nitrosative Stress Conditions. Journal of Pharmaceutical Investigation, 2010, 40, 139-153.	2.7	1
582	Quantitative description of publications (1986-2020) related to Alzheimer disease and oxidative stress: A bibliometric study. Journal of Cellular Neuroscience and Oxidative Stress, 2021, 13, 971-984.	0.1	1
583	Free radicals as toxic agents. Reviews in Food and Nutrition Toxicity, 2003, , 331-349.	0.0	0
584	Genetic and Toxicological Models of Neurodegenerative Diseases. , 2004, , 107-121.		0
585	Proteomics Identification of Oxidatively Modified Proteins in the Alzheimerâ€™s Disease Brain and Models Thereof. Oxidative Stress and Disease, 2005, , 1-25.	0.3	0

#	Article	IF	Citations
586	The Disposition of Lipid-Derived Carbonyls in Alzheimerâ€™s Disease. Oxidative Stress and Disease, 2005, , 181-197.	0.3	0
588	Proteomics Analysis in Alzheimer's Disease: New Insights into Mechanisms of Neurodegeneration. , 2007, , 233-252.		0
589	Metabolic Abnormalities in Alzheimer Disease. , 2009, , 483-530.		0
590	Peripheral Biomarkers of Excitotoxicity in Neurological Diseases. , 2009, , 85-106.		0
591	Oxidative Stress Associated Signal Transduction Cascades in Alzheimer Disease. Contemporary Clinical Neuroscience, 2009, , 121-136.	0.3	0
593	The Impact of Redox Balance in Brain Tumors. , 0, , .		1
594	Natural antioxidants in prevention and management of Alzheimer's disease. Frontiers in Bioscience - Elite, 2012, E4, 794.	0.9	16
595	The Amyloid _-Protein and Alzheimer's Disease. Frontiers in Neuroscience, 2012, , 1-85.	0.0	0
596	Role of Cathepsin G in the Degradation of Glyceraldehyde-3-Phosphate Dehydrogenase Triggered by 4-Hydroxy-2-Nonenal in U937 Cells. CellBio, 2014, 03, 35-42.	1.3	0
597	Mitochondrial Defects and Oxidative Stress in Alzheimer Disease. The Neuroscience Journal of Shefaye Khatam, 2014, 2, 85-94.	0.4	2
599	Alzheimerâ€™s Disease: The Effect of Nrf2 Signaling Pathway on Cell Death Caused by Oxidative Stress. The Neuroscience Journal of Shefaye Khatam, 2015, 3, 145-156.	0.4	2
600	A Highly Sensitive, Reproducible Assay for Determining 4-hydroxynonenal Protein Adducts in Biological Material. Bio-protocol, 2019, 9, e3383.	0.2	1
602	Delineation of Neuroprotective Effects and Possible Benefits of AntioxidantsTherapy for the Treatment of Alzheimerâ€™s Diseases by Targeting Mitochondrial-Derived Reactive Oxygen Species: Bench to Bedside. Molecular Neurobiology, 2022, 59, 657-680.	1.9	26
603	Redox Proteomics Identification of Oxidatively Modified Proteins in Alzheimerâ€™s Disease Brain and in Brain from a Rodent Model of Familial Parkinsonâ€™s Disease: Insights into Potential Mechanisms of Neurodegeneration. , 2008, , 149-167.		1
604	Two Hits and Youâ€™re Out? A Novel Mechanistic Hypothesis of Alzheimer Disease. , 2008, , 191-204.		2
605	Redox proteomics in some age-related neurodegenerative disorders or models thereof. Neurotherapeutics, 2006, 3, 344-357.	2.1	0
608	An exploration of the potential mechanisms and translational potential of five medicinal plants for applications in Alzheimer's disease. American Journal of Neurodegenerative Disease, 2013, 2, 70-88.	0.1	7
610	Neurodegenerative diseases. , 2022, , 1-67.		0

#	Article	IF	Citations
611	Evaluating the effect of selenium on spatial memory impairment induced by sleep deprivation. Physiology and Behavior, 2022, 244, 113669.	1.0	9
612	CNS Redox Homeostasis and Dysfunction in Neurodegenerative Diseases. Antioxidants, 2022, 11, 405.	2.2	11
613	Insights from Self-Assembled Aggregates of Amyloid Î² Peptides on Gold Surfaces. ACS Omega, 2022, 7, 9973-9983.	1.6	3
614	Potential Defensive Involvement of Methyl Jasmonate in Oxidative Stress and Its Related Molecular Mechanisms. , 0, , .		0
615	Neuroprotective effects of paeoniflorin against neuronal oxidative stress and neuroinflammation induced by lipopolysaccharide in mice. Journal of Applied Biological Chemistry, 2022, 65, 23-31.	0.2	1
616	L-Carnitine prevents memory impairment induced by post-traumatic stress disorder. Restorative Neurology and Neuroscience, 2022, 40, 53-61.	0.4	2
617	Association Study and Meta-Analysis of Polymorphisms and Blood mRNA Expression of the ALDH2 Gene in Patients with Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2022, 87, 863-871.	1.2	7
618	The Impact of Medium Chain and Polyunsaturated Ï‰-3-Fatty Acids on Amyloid-Î² Deposition, Oxidative Stress and Metabolic Dysfunction Associated with Alzheimerâ€™s Disease. Antioxidants, 2021, 10, 1991.	2.2	15
619	Arachidonic Acid Metabolites: Function in Neurotoxicity and Inflammation in the Central Nervous System. , 2008, , 107-129.		1
621	Interplay Between Hippocampal Glutathione Depletion and pH Increment in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2022, 88, 1-6.	1.2	3
622	Extracellular Vesicles and Cancer Therapy: Insights into the Role of Oxidative Stress. Antioxidants, 2022, 11, 1194.	2.2	10
623	Fatty Acids: A Safe Tool for Improving Neurodevelopmental Alterations in Down Syndrome?. Nutrients, 2022, 14, 2880.	1.7	3
624	FTH1- and SAT1-Induced Astrocytic Ferroptosis Is Involved in Alzheimerâ€™s Disease: Evidence from Single-Cell Transcriptomic Analysis. Pharmaceuticals, 2022, 15, 1177.	1.7	15
625	The Role of Acrolein in Neurodegenerative Diseases and Its Protective Strategy. Foods, 2022, 11, 3203.	1.9	4
626	Age-Related Oxidative Redox and Metabolic Changes Precede Intraneuronal Amyloid-Î² Accumulation and Plaque Deposition in a Transgenic Alzheimerâ€™s Disease Mouse Model. Journal of Alzheimer's Disease, 2022, 90, 1501-1521.	1.2	4
627	Alzheimerâ€™s Disease: From Immune Homeostasis to Neuroinflammatory Condition. International Journal of Molecular Sciences, 2022, 23, 13008.	1.8	13
628	The synergy of Î² amyloid 1-42 and oxidative stress in the development of Alzheimerâ€™s disease-like neurodegeneration of hippocampal cells. Scientific Reports, 2022, 12, .	1.6	10
631	Insights into the Pathophysiology of Alzheimerâ€™s Disease and Potential Therapeutic Targets: A Current Perspective. Journal of Alzheimer's Disease, 2023, 91, 507-530.	1.2	8

#	Article	IF	Citations
632	Zebrafish: A Model Deciphering the Impact of Flavonoids on Neurodegenerative Disorders. Cells, 2023, 12, 252.	1.8	6
633	An intracerebroventricular injection of AÎ² (1-42) modifies temporal profiles of spatial memory performance and oxidative status in the temporal cortex rat. Brain Research, 2023, , 148242.	1.1	0
634	Hsp70.1 carbonylation induces lysosomal cell death for lifestyle-related diseases. Frontiers in Molecular Biosciences, 0, 9, .	1.6	2
635	Post-Translational Chemical Modification of Amyloid-Î² Peptides by 4-Hydroxy-2-Nonenal. Journal of Alzheimer's Disease, 2023, 92, 499-511.	1.2	0
636	Isoformâ€specific modification of apolipoprotein E by <scp>4â€hydroxynonenal</scp>: protective role of apolipoprotein <scp>E3</scp> against oxidative species. FEBS Journal, 2023, 290, 3006-3025.	2.2	1
637	Moschus exerted protective activity against H2O2-induced cell injury in PC12 cells through regulating Nrf-2/ARE signaling pathways. Biomedicine and Pharmacotherapy, 2023, 159, 114290.	2.5	2
638	Insights into the promising prospect of medicinal chemistry studies against neurodegenerative disorders. Chemico-Biological Interactions, 2023, 373, 110375.	1.7	1
639	Biological Consequences of Vanadium Effects on Formation of Reactive Oxygen Species and Lipid Peroxidation. International Journal of Molecular Sciences, 2023, 24, 5382.	1.8	22
641	Mitochondria-Directing Fluorogenic Probe: An Efficient Amyloid Marker for Imaging Lipid Metabolite-Induced Protein Aggregation in Live Cells and Caenorhabditis elegans. Analytical Chemistry, 2023, 95, 6341-6350.	3.2	2
652	Ferroptosis in the Pathogenesis of Alzheimerâ€™s Disease: The New Evidence for Validation of FAB Model. Neurochemical Journal, 2023, 17, 608-617.	0.2	0