

Identification of nitrated proteins in Alzheimer's disease: a new approach

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Peroxynitrite-Mediated Protein Nitration and Lipid Peroxidation in a Mouse Model of Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2004, 21, 9-20.	1.7	211
2	Carbonic Anhydrase Activators. Activation of Isoforms I, II, IV, VA, VII, and XIV with L- and D-Phenylalanine and Crystallographic Analysis of Their Adducts with Isozyme II: Stereo-specific Recognition within the Active Site of an Enzyme and Its Consequences for the Drug Design. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 3019-3027.	2.9	128
3	Nitrosative Stress, Cellular Stress Response, and Thiol Homeostasis in Patients with Alzheimer's Disease. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 1975-1986.	2.5	215
4	Protein Oxidation and Lipid Peroxidation in Brain of Subjects with Alzheimer's Disease: Insights into Mechanism of Neurodegeneration from Redox Proteomics. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 2021-2037.	2.5	224
5	Interaction of TPPP/p25 protein with glyceraldehyde-3-phosphate dehydrogenase and their co-localization in Lewy bodies. <i>FEBS Letters</i> , 2006, 580, 5807-5814.	1.3	34
6	Pin1 allows for differential Tau dephosphorylation in neuronal cells. <i>Molecular and Cellular Neurosciences</i> , 2006, 32, 155-160.	1.0	68
7	Nitric oxide, cell bioenergetics and neurodegeneration. <i>Journal of Neurochemistry</i> , 2006, 97, 1676-1689.	2.1	506
8	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 Alzheimer's disease and other oxidative stress-related neurodegenerative disorders. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1694-1703.	1.3	87
9	Oxidative stress in Alzheimer's disease brain: New insights from redox proteomics. <i>European Journal of Pharmacology</i> , 2006, 545, 39-50.	1.7	316
10	Acetyl-L-carnitine-induced up-regulation of heat shock proteins protects cortical neurons against amyloid-beta peptide 1 β 42-mediated oxidative stress and neurotoxicity: Implications for Alzheimer's disease. <i>Journal of Neuroscience Research</i> , 2006, 84, 398-408.	1.3	135
11	In vivo protective effects of ferulic acid ethyl ester against amyloid-beta peptide 1 β 42-induced oxidative stress. <i>Journal of Neuroscience Research</i> , 2006, 84, 418-426.	1.3	119
12	Causes and Diagnosis of Alzheimers Disease: A Proteomics Approach. <i>Current Proteomics</i> , 2006, 3, 81-112.	0.1	2
14	Proteomics Analysis of the Alzheimer's Disease Hippocampal Proteome. <i>Journal of Alzheimer's Disease</i> , 2007, 11, 153-164.	1.2	222
15	Redox Proteomics Identification of Oxidatively Modified Brain Proteins in Alzheimer's Disease and Mild Cognitive Impairment: Insights into the Progression of this Dementing Disorder. <i>Journal of Alzheimer's Disease</i> , 2007, 12, 61-72.	1.2	121
16	Modifications of platelet from Alzheimer disease patients: A possible relation between membrane properties and NO metabolites. <i>Neurobiology of Aging</i> , 2007, 28, 987-994.	1.5	54
17	Acrolein induces selective protein carbonylation in synaptosomes. <i>Neuroscience</i> , 2007, 147, 674-679.	1.1	60
18	Decrease of dehydrogenase activity of cerebral glyceraldehyde-3-phosphate dehydrogenase in different animal models of Alzheimer's disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007, 1770, 826-832.	1.1	34
19	Nitric oxide in the central nervous system: neuroprotection versus neurotoxicity. <i>Nature Reviews Neuroscience</i> , 2007, 8, 766-775.	4.9	1,208

#	ARTICLE	IF	CITATIONS
20	Amyloid β -Peptide(1-42), Oxidative Stress, and Alzheimer's Disease. , 2007, , 83-92.		2
21	Therapeutic strategy at the crossroad of neuroinflammation and oxidative stress in age-related neurodegenerative diseases. Expert Opinion on Therapeutic Patents, 2007, 17, 419-428.	2.4	2
22	Proteomics of Alzheimer's disease: understanding mechanisms and seeking biomarkers. Expert Review of Proteomics, 2007, 4, 227-238.	1.3	43
25	Mass spectrometry-based survey of age-associated protein carbonylation in rat brain mitochondria. Journal of Mass Spectrometry, 2007, 42, 1583-1589.	0.7	44
26	An increase in S-glutathionylated proteins in the Alzheimer's disease inferior parietal lobule, a proteomics approach. Journal of Neuroscience Research, 2007, 85, 1506-1514.	1.3	155
27	Carnosine interaction with nitric oxide and astroglial cell protection. Journal of Neuroscience Research, 2007, 85, 2239-2245.	1.3	43
28	Post-translational modifications of rat liver mitochondrial outer membrane proteins identified by mass spectrometry. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 628-636.	1.1	63
29	Proteomic identification of tyrosine nitration targets in kidney of spontaneously hypertensive rats. Proteomics, 2007, 7, 4555-4564.	1.3	39
30	Involvement of astroglial ceramide in palmitic acid-induced Alzheimer-like changes in primary neurons. European Journal of Neuroscience, 2007, 26, 2131-2141.	1.2	105
31	Adriamycin-mediated nitration of manganese superoxide dismutase in the central nervous system: insight into the mechanism of chemobrain. Journal of Neurochemistry, 2007, 100, 191-201.	2.1	159
32	Inhibition of PTEN by peroxynitrite activates the phosphoinositide-3-kinase/Akt neuroprotective signaling pathway. Journal of Neurochemistry, 2007, 102, 194-205.	2.1	76
33	Elevated levels of 3-nitrotyrosine in brain from subjects with amnesic mild cognitive impairment: Implications for the role of nitration in the progression of Alzheimer's disease. Brain Research, 2007, 1148, 243-248.	1.1	211
34	Roles of amyloid β -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
35	Proteomic identification of nitrated brain proteins in amnesic mild cognitive impairment: a regional study. Journal of Cellular and Molecular Medicine, 2007, 11, 839-851.	1.6	83
36	Protein Levels and Activity of Some Antioxidant Enzymes in Hippocampus of Subjects with Amnesic Mild Cognitive Impairment. Neurochemical Research, 2008, 33, 2540-2546.	1.6	100
37	Redox proteomics studies of <i>in vivo</i> amyloid β -peptide animal models of Alzheimer's disease: Insight into the role of oxidative stress. Proteomics - Clinical Applications, 2008, 2, 685-696.	0.8	21
38	NADPH oxidase as a therapeutic target in Alzheimer's disease. BMC Neuroscience, 2008, 9, S8.	0.8	153
39	Effects of oxidative and nitrosative stress in brain on p53 proapoptotic protein in amnesic mild cognitive impairment and Alzheimer disease. Free Radical Biology and Medicine, 2008, 45, 81-85.	1.3	62

#	ARTICLE	IF	CITATIONS
40	Oxidative damage in brain from human mutant APP/PS-1 double knock-in mice as a function of age. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1420-1425.	1.3	74
41	Redox proteomic identification of 4-Hydroxy-2-nonenal-modified brain proteins in amnesic mild cognitive impairment: Insight into the role of lipid peroxidation in the progression and pathogenesis of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2008, 30, 107-120.	2.1	236
43	Amyloid- β (25-35) increases activity of neuronal NO-synthase in rat brain. <i>Neurochemistry International</i> , 2008, 52, 1114-1124.	1.9	48
44	Proteomic identification of brain proteins in the canine model of human aging following a long-term treatment with antioxidants and a program of behavioral enrichment: Relevance to Alzheimer's disease. <i>Neurobiology of Aging</i> , 2008, 29, 51-70.	1.5	179
45	Alterations of some membrane transport proteins in Alzheimer's disease: role of amyloid β -peptide. <i>Molecular BioSystems</i> , 2008, 4, 36-41.	2.9	25
46	Identification of 3-Nitrotyrosine-Modified Brain Proteins by Redox Proteomics. <i>Methods in Enzymology</i> , 2008, 440, 295-308.	0.4	22
47	Argyrophilic grain disease. <i>Brain</i> , 2008, 131, 1416-1432.	3.7	183
48	The Extensive Nitration of Neurofilament Light Chain in the Hippocampus Is Associated with the Cognitive Impairment Induced by Amyloid β in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 327, 137-147.	1.3	24
49	Slot-Blot Analysis of 3-Nitrotyrosine-Modified Brain Proteins. <i>Methods in Enzymology</i> , 2008, 440, 309-316.	0.4	23
50	Glaucoma as a neuropathy amenable to neuroprotection and immune manipulation. <i>Progress in Brain Research</i> , 2008, 173, 375-384.	0.9	18
51	Carbonic Anhydrase Activation and the Drug Design. <i>Current Pharmaceutical Design</i> , 2008, 14, 708-715.	0.9	81
55	Reactive Nitrogen Species: Molecular Mechanisms and Potential Significance in Health and Disease. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 669-702.	2.5	205
57	Nitrated β -Synuclein-Induced Alterations in Microglial Immunity Are Regulated by CD4+ T Cell Subsets. <i>Journal of Immunology</i> , 2009, 182, 4137-4149.	0.4	177
58	Proteomic identification of nitrated brain proteins in early Alzheimer's disease inferior parietal lobule. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2019-2029.	1.6	111
59	Proteomic identification of HNE-bound proteins in early Alzheimer disease: Insights into the role of lipid peroxidation in the progression of AD. <i>Brain Research</i> , 2009, 1274, 66-76.	1.1	182
60	Proteomic identification of nitrated brain proteins in traumatic brain-injured rats treated postinjury with gamma-glutamylcysteine ethyl ester: Insights into the role of elevation of glutathione as a potential therapeutic strategy for traumatic brain injury. <i>Journal of Neuroscience Research</i> , 2009, 87, 408-417.	1.3	53
61	Inhibition of heme synthesis alters Amyloid Precursor Protein processing. <i>Journal of Neural Transmission</i> , 2009, 116, 79-88.	1.4	35
62	The role of proteomics in dementia and Alzheimer's disease. <i>Acta Neuropathologica</i> , 2009, 118, 181-195.	3.9	54

#	ARTICLE	IF	CITATIONS
63	Oxidatively modified proteins in Alzheimer's disease (AD), mild cognitive impairment and animal models of AD: role of Abeta in pathogenesis. <i>Acta Neuropathologica</i> , 2009, 118, 131-150.	3.9	194
64	Oxidatively modified, mitochondria-relevant brain proteins in subjects with Alzheimer disease and mild cognitive impairment. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 441-446.	1.0	103
65	Altered mitochondria, energy metabolism, voltage-dependent anion channel, and lipid rafts converge to exhaust neurons in Alzheimer's disease. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 425-431.	1.0	159
66	Redox proteomics identification of 4-hydroxynonenal-modified brain proteins in Alzheimer's disease: Role of lipid peroxidation in Alzheimer's disease pathogenesis. <i>Proteomics - Clinical Applications</i> , 2009, 3, 682-693.	0.8	172
67	Multifunctional roles of enolase in Alzheimer's disease brain: beyond altered glucose metabolism. <i>Journal of Neurochemistry</i> , 2009, 111, 915-933.	2.1	149
68	Protein Carbonyl Formation in Response to Propiconazole-Induced Oxidative Stress. <i>Journal of Proteome Research</i> , 2009, 8, 2070-2078.	1.8	53
69	Triosephosphate isomerase deficiency: New insights into an enigmatic disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 1168-1174.	1.8	126
70	Neuronal nitric oxide synthase: Structure, subcellular localization, regulation, and clinical implications. <i>Nitric Oxide - Biology and Chemistry</i> , 2009, 20, 223-230.	1.2	544
71	VDAC and ER α interaction in caveolae from human cortex is altered in Alzheimer's disease. <i>Molecular and Cellular Neurosciences</i> , 2009, 42, 172-183.	1.0	83
72	Amyloid- β 25 impairs memory and increases NO in the temporal cortex of rats. <i>Neuroscience Research</i> , 2009, 63, 129-137.	1.0	60
73	Biomarkers of oxidative and nitrosative damage in Alzheimer's disease and mild cognitive impairment. <i>Ageing Research Reviews</i> , 2009, 8, 285-305.	5.0	211
74	Nitric Oxide in Health and Disease of the Nervous System. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 541-553.	2.5	215
75	Activated astrocytes: a therapeutic target in Alzheimer's disease?. <i>Expert Review of Neurotherapeutics</i> , 2009, 9, 1585-1594.	1.4	73
76	Protein Tyrosine Nitration: Selectivity, Physicochemical and Biological Consequences, Denitration, and Proteomics Methods for the Identification of Tyrosine-Nitrated Proteins. <i>Journal of Proteome Research</i> , 2009, 8, 3222-3238.	1.8	337
77	Neuroproteomics. <i>Methods in Molecular Biology</i> , 2009, , .	0.4	1
79	Protective effect of ferulic acid ethyl ester against oxidative stress mediated by UVB irradiation in human epidermal melanocytes. <i>Free Radical Research</i> , 2009, 43, 365-375.	1.5	38
80	Nitric Oxide in Cell Survival: A Janus Molecule. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 2717-2739.	2.5	184
81	Role of Oxidative Stress in the Progression of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 341-353.	1.2	282

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82	Plasma Carbonic Anhydrase II protein is Elevated in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 939-945.	1.2	35
83	Functional Aspects of Redox Control During Neuroinflammation. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 193-247.	2.5	60
84	Nitric Oxide Signaling in Brain Function, Dysfunction, and Dementia. <i>Neuroscientist</i> , 2010, 16, 435-452.	2.6	374
85	Wild type but not mutant APP is involved in protective adaptive responses against oxidants. <i>Amino Acids</i> , 2010, 39, 271-283.	1.2	11
86	Proteomic Studies on the Development of the Central Nervous System and Beyond. <i>Neurochemical Research</i> , 2010, 35, 1487-1500.	1.6	10
87	Oxidative Damage in Rat Brain During Aging: Interplay Between Energy and Metabolic Key Target Proteins. <i>Neurochemical Research</i> , 2010, 35, 2184-2192.	1.6	53
88	Activated astroglia during chronic inflammation in Alzheimer's disease—Do they neglect their neurosupportive roles?. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 690, 40-49.	0.4	139
89	Involvement of stat3 in mouse brain development and sexual dimorphism: A proteomics approach. <i>Brain Research</i> , 2010, 1362, 1-12.	1.1	21
90	Oxidative and nitrative modifications of ß-enolase in cardiac proteins from diabetic rats. <i>Free Radical Biology and Medicine</i> , 2010, 48, 873-881.	1.3	46
91	Potential in vivo amelioration by N-acetylcysteine of oxidative stress in brain in human double mutant APP/PS1 knock-in mice: Toward therapeutic modulation of mild cognitive impairment. <i>Journal of Neuroscience Research</i> , 2010, 88, 2618-2629.	1.3	63
92	Redox proteomics in aging rat brain: Involvement of mitochondrial reduced glutathione status and mitochondrial protein oxidation in the aging process. <i>Journal of Neuroscience Research</i> , 2010, 88, 3498-3507.	1.3	99
93	Mechanism of glyceraldehyde-3-phosphate dehydrogenase inactivation by tyrosine nitration. <i>Protein Science</i> , 2010, 19, 255-262.	3.1	24
94	An update on clinical proteomics in Alzheimer's™s research. <i>Journal of Neurochemistry</i> , 2010, 112, 1386-1414.	2.1	82
95	Mitochondrial ATP-Synthase in the Entorhinal Cortex Is a Target of Oxidative Stress at Stages I/II of Alzheimer's Disease Pathology. <i>Brain Pathology</i> , 2010, 20, 222-233.	2.1	127
96	Protein Targets of Oxidative Damage in Human Neurodegenerative Diseases with Abnormal Protein Aggregates. <i>Brain Pathology</i> , 2010, 20, 281-297.	2.1	184
97	Conformations and Biological Activities of Amyloid Beta Peptide 25-35. <i>Current Protein and Peptide Science</i> , 2010, 11, 54-67.	0.7	157
98	Nitric Oxide Production during Cerebral Ischemia and Reperfusion in eNOS- and nNOS-Knockout Mice. <i>Current Neurovascular Research</i> , 2010, 7, 23-31.	0.4	40
99	Hemin inhibits NO production by IL-1β-stimulated human astrocytes through induction of heme oxygenase-1 and reduction of p38 MAPK activation. <i>Journal of Neuroinflammation</i> , 2010, 7, 51.	3.1	14

#	ARTICLE	IF	CITATIONS
100	Oxidatively Modified Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) and Alzheimer's Disease: Many Pathways to Neurodegeneration. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 369-393.	1.2	252
101	Proteomic analysis of mitochondrial dysfunction in neurodegenerative diseases. <i>Expert Review of Proteomics</i> , 2010, 7, 519-542.	1.3	23
102	VDAC, a multi-functional mitochondrial protein regulating cell life and death. <i>Molecular Aspects of Medicine</i> , 2010, 31, 227-285.	2.7	607
103	Involvements of the lipid peroxidation product, HNE, in the pathogenesis and progression of Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 924-929.	1.2	249
104	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. <i>Neuroscience</i> , 2010, 166, 796-807.	1.1	130
105	Chemical labeling and enrichment of nitrotyrosine-containing peptides. <i>Talanta</i> , 2010, 80, 1503-1512.	2.9	43
106	Polyamines Inhibit Carbonic Anhydrases by Anchoring to the Zinc-Coordinated Water Molecule. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5511-5522.	2.9	205
107	Roles of 3-nitrotyrosine- and 4-hydroxynonenal-modified brain proteins in the progression and pathogenesis of Alzheimer's disease. <i>Free Radical Research</i> , 2011, 45, 59-72.	1.5	111
108	Vascular and metabolic dysfunction in Alzheimer's disease: a review. <i>Experimental Biology and Medicine</i> , 2011, 236, 772-782.	1.1	93
109	Post-translational modifications of mitochondrial outer membrane proteins. <i>Free Radical Research</i> , 2011, 45, 16-28.	1.5	15
110	Proteomic research in psychiatry. <i>Journal of Psychopharmacology</i> , 2011, 25, 151-196.	2.0	85
111	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. <i>Journal of Alzheimer's Disease</i> , 2011, 24, 77-84.	1.2	100
112	Pharmacologists and Alzheimer disease therapy: to boldly go where no scientist has gone before. <i>Expert Opinion on Investigational Drugs</i> , 2011, 20, 1243-1261.	1.9	44
113	The Mitochondria-Targeted Antioxidant MitoQ Prevents Loss of Spatial Memory Retention and Early Neuropathology in a Transgenic Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2011, 31, 15703-15715.	1.7	354
114	Circulating biomarkers of protein oxidation for Alzheimer disease: Expectations within limits. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1785-1795.	1.1	56
115	Proteomic identification of specifically carbonylated brain proteins in APPNLh/APPNLh ^Δ —PS-1P264L/PS-1P264L human double mutant knock-in mice model of Alzheimer disease as a function of age. <i>Journal of Proteomics</i> , 2011, 74, 2430-2440.	1.2	36
116	Differential expression and redox proteomics analyses of an Alzheimer disease transgenic mouse model: effects of the amyloid- β peptide of amyloid precursor protein. <i>Neuroscience</i> , 2011, 177, 207-222.	1.1	57
117	Targeting the F1Fo ATP Synthase: Modulation of the Body's Powerhouse and Its Implications for Human Disease. <i>Current Medicinal Chemistry</i> , 2011, 18, 4684-4714.	1.2	38

#	ARTICLE	IF	CITATIONS
119	Voltage-dependent anion channel as a resident protein of lipid rafts: post-transductional regulation by estrogens and involvement in neuronal preservation against Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2011, 116, 820-827.	2.1	41
120	Identification of the oxidative stress proteome in the brain. <i>Free Radical Biology and Medicine</i> , 2011, 50, 487-494.	1.3	31
121	Nitrative and oxidative modifications of enolase are associated with iron in iron-overload rats and in vitro. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 481-490.	1.1	21
122	Oxidative Stress in Alzheimer Disease: Synergy Between the Butterfield and Markesbery Laboratories. <i>NeuroMolecular Medicine</i> , 2011, 13, 19-22.	1.8	13
123	Oxidative Stress and β -Amyloid Protein in Alzheimer's Disease. <i>NeuroMolecular Medicine</i> , 2011, 13, 223-250.	1.8	222
124	Identification of Nitrotyrosine Containing Peptides using Combined Fractional Diagonal Chromatography (COFRADIC) and Off-Line Nano-LC-MALDI. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 989-996.	1.2	14
125	Identification of tyrosine nitration in UCH-L1 and GAPDH. <i>Electrophoresis</i> , 2011, 32, 1692-1705.	1.3	16
126	Quantitative proteomics analysis of phosphorylated proteins in the hippocampus of Alzheimer's disease subjects. <i>Journal of Proteomics</i> , 2011, 74, 1091-1103.	1.2	86
127	Oxidative and Nitrosative Modifications of Biliverdin Reductase-A in the Brain of Subjects with Alzheimer's Disease and Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2011, 25, 623-633.	1.2	85
128	In vivo protein tyrosine nitration in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 3501-3517.	2.4	194
129	Membrane-initiated signaling of estrogen related to neuroprotection. "Social networks" are required. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2011, 7, 393-401.	0.3	0
130	Experimental Research on Nitric Oxide and the Therapy of Alzheimer Disease: A Challenging Bridge. <i>CNS and Neurological Disorders - Drug Targets</i> , 2011, 10, 766-776.	0.8	15
132	Management of the Virulent Influenza Virus Infection by Oral Formulation of Nonhydrolyzed Carnosine and Isopeptide of Carnosine Attenuating Proinflammatory Cytokine-Induced Nitric Oxide Production. <i>American Journal of Therapeutics</i> , 2012, 19, e25-e47.	0.5	19
133	Identification of Novel β -Secretase-associated Proteins in Detergent-resistant Membranes from Brain. <i>Journal of Biological Chemistry</i> , 2012, 287, 11991-12005.	1.6	48
134	Selective Vulnerability of Synaptic Signaling and Metabolism to Nitrosative Stress. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 992-1012.	2.5	17
135	Nitric Oxide Inactivation Mechanisms in the Brain: Role in Bioenergetics and Neurodegeneration. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-13.	1.0	36
136	Regulation of Injury-Induced Neurogenesis by Nitric Oxide. <i>Stem Cells International</i> , 2012, 2012, 1-15.	1.2	19
137	Opening Pandora's jar: a primer on the putative roles of CRMP2 in a panoply of neurodegenerative, sensory and motor neuron, and central disorders. <i>Future Neurology</i> , 2012, 7, 749-771.	0.9	96

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138	Effects of Halogenation on Tyrosine Phosphorylation and Peptide Binding to the Src Homology 2 Domain of Lymphocyte-Specific Protein Tyrosine Kinase. <i>Biological and Pharmaceutical Bulletin</i> , 2012, 35, 433-437.	0.6	1
139	Alzheimer disease controls cancer – Concerning the apoptogenic interaction of cell membrane-standing type-1 VDAC and amyloid peptides via GxxxG motifs. <i>Molecular Genetics and Metabolism</i> , 2012, 106, 502-503.	0.5	9
140	Strategic Role for Mitochondria in Alzheimer's Disease and Cancer. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 1476-1491.	2.5	46
141	Sporadic Alzheimer's Disease: The Starving Brain. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 459-474.	1.2	55
142	Changes in the Striatal Proteome of YAC128Q Mice Exhibit Gene-Environment Interactions between Mutant Huntingtin and Manganese. <i>Journal of Proteome Research</i> , 2012, 11, 1118-1132.	1.8	24
143	Defining Alzheimer as a common age-related neurodegenerative process not inevitably leading to dementia. <i>Progress in Neurobiology</i> , 2012, 97, 38-51.	2.8	153
144	Mechanisms of Altered Redox Regulation in Neurodegenerative Diseases – Focus on S-Glutathionylation. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 543-566.	2.5	105
145	VDAC, a multi-functional mitochondrial protein as a pharmacological target. <i>Mitochondrion</i> , 2012, 12, 24-34.	1.6	206
146	Ferulic acid ethyl ester as a potential therapy in neurodegenerative disorders. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 748-752.	1.8	74
147	Protein S-nitrosylation: Role for nitric oxide signaling in neuronal death. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 736-742.	1.1	40
148	Alzheimer's Disease: Redox Dysregulation As a Common Denominator for Diverse Pathogenic Mechanisms. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 974-1031.	2.5	163
149	Small-molecule inducers of A β 42 peptide production share a common mechanism of action. <i>FASEB Journal</i> , 2012, 26, 5115-5123.	0.2	18
150	Redox Proteomics in Selected Neurodegenerative Disorders: From Its Infancy to Future Applications. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1610-1655.	2.5	152
151	Cardiovascular Redox and Ox Stress Proteomics. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1528-1559.	2.5	24
152	Amyloid beta modulated the selectivity of heme-catalyzed protein tyrosine nitration: an alternative mechanism for selective protein nitration. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 1083-1091.	1.1	16
153	Oxidative Modification of Brain Proteins in Alzheimer's Disease: Perspective on Future Studies Based on Results of Redox Proteomics Studies. <i>Journal of Alzheimer's Disease</i> , 2012, 33, S243-S251.	1.2	57
154	Conformational Altered p53 as an Early Marker of Oxidative Stress in Alzheimer's Disease. <i>PLoS ONE</i> , 2012, 7, e29789.	1.1	59
155	Estrogen receptors in lipid raft signalling complexes for neuroprotection. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 1420.	0.9	6

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156	Tyrosine Modifications in Aging. Antioxidants and Redox Signaling, 2012, 17, 1571-1579.	2.5	73
157	Elevated Oxidative Stress and Decreased Antioxidant Function in the Human Hippocampus and Frontal Cortex with Increasing Age: Implications for Neurodegeneration in Alzheimer's Disease. Neurochemical Research, 2012, 37, 1601-1614.	1.6	185
158	Relative quantitation of protein nitration by liquid chromatography-mass spectrometry using isotope-coded dimethyl labeling and chemoprecipitation. Journal of Chromatography A, 2012, 1232, 266-275.	1.8	13
159	Amyloid beta-heme peroxidase promoted protein nitrotyrosination: relevance to widespread protein nitration in Alzheimer's disease. Journal of Biological Inorganic Chemistry, 2012, 17, 197-207.	1.1	35
160	Amyloid- β -Peptide (1-42)-Induced Oxidative Stress in Alzheimer Disease: Importance in Disease Pathogenesis and Progression. Antioxidants and Redox Signaling, 2013, 19, 823-835.	2.5	439
161	New findings concerning vertebrate porin II On the relevance of glycine motifs of type-1 VDAC. Molecular Genetics and Metabolism, 2013, 108, 212-224.	0.5	13
162	Bioenergetic deficits in peripheral nerve sensory axons during chemotherapy-induced neuropathic pain resulting from peroxynitrite-mediated post-translational nitration of mitochondrial superoxide dismutase. Pain, 2013, 154, 2432-2440.	2.0	102
163	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
164	Modulating nitric oxide signaling in the CNS for Alzheimer's disease therapy. Future Medicinal Chemistry, 2013, 5, 1451-1468.	1.1	29
165	Early Molecular Changes in Alzheimer Disease: Can We Catch the Disease in its Presymptomatic Phase?. Journal of Alzheimer's Disease, 2013, 38, 719-740.	1.2	40
166	Redox Proteomics: Chemical Principles, Methodological Approaches and Biological/Biomedical Promises. Chemical Reviews, 2013, 113, 596-698.	23.0	222
167	Lipid peroxidation triggers neurodegeneration: A redox proteomics view into the Alzheimer disease brain. Free Radical Biology and Medicine, 2013, 62, 157-169.	1.3	365
168	Dietary vitamin D deficiency in rats from middle to old age leads to elevated tyrosine nitration and proteomics changes in levels of key proteins in brain: Implications for low vitamin D-dependent age-related cognitive decline. Free Radical Biology and Medicine, 2013, 65, 324-334.	1.3	66
169	Antisense directed against PS-1 gene decreases brain oxidative markers in aged senescence accelerated mice (SAMP8) and reverses learning and memory impairment: A proteomics study. Free Radical Biology and Medicine, 2013, 65, 1-14.	1.3	38
170	Non-hydrolyzed in digestive tract and blood natural L-carnosine peptide (a bioactivated Jewish) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 oxide (NO) production, cytostasis, and NO-dependent inhibition of influenza virus replication in macrophages in the human body infected with the virulent swine influenza A (H1N1) virus. Journal of Basic and Clinical Physiology and Pharmacology, 2013, 24, 1-26.	0.7	12
171	Electrochemical nitration of myoglobin at tyrosine 103: Structure and stability. Archives of Biochemistry and Biophysics, 2013, 529, 26-33.	1.4	7
173	Overlapped Metabolic and Therapeutic Links between Alzheimer and Diabetes. Molecular Neurobiology, 2013, 47, 399-424.	1.9	71
174	Interaction of aldehydes derived from lipid peroxidation and membrane proteins. Frontiers in Physiology, 2013, 4, 242.	1.3	254

#	ARTICLE	IF	CITATIONS
175	Low levels of copper disrupt brain amyloid- β homeostasis by altering its production and clearance. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14771-14776.	3.3	214
177	Mass Spectrometry Analysis for Nitration of Proteins. Hanyang Medical Reviews, 2013, 33, 110.	0.4	1
178	L-Carnosine Modulates Respiratory Burst and Reactive Oxygen Species Production in Neutrophil Biochemistry and Function: May Oral Dosage Form of Non-Hydrolyzed Dipeptide L-Carnosine Complement Anti-Infective Anti-Influenza Flu Treatment, Prevention and Self-Care as an Alternative to the Conventional Vaccination?. Current Clinical Pharmacology, 2014, 9, 93-115.	0.2	7
179	The Roles of Biomarkers of Oxidative Stress and Antioxidant in Alzheimer's Disease: A Systematic Review. BioMed Research International, 2014, 2014, 1-14.	0.9	100
180	The Oligomycin-Sensitivity Conferring Protein of Mitochondrial ATP Synthase: Emerging New Roles in Mitochondrial Pathophysiology. International Journal of Molecular Sciences, 2014, 15, 7513-7536.	1.8	44
181	Platelets, a reliable source for peripheral Alzheimer's disease biomarkers?. Acta Neuropathologica Communications, 2014, 2, 65.	2.4	66
182	Is There a Role for Nitric Oxide in Methamphetamine-Induced Dopamine Terminal Degeneration?. Neurotoxicity Research, 2014, 25, 153-160.	1.3	10
183	Metallothionein prevents cardiac pathological changes in diabetes by modulating nitration and inactivation of cardiac ATP synthase. Journal of Nutritional Biochemistry, 2014, 25, 463-474.	1.9	23
184	A β , oxidative stress in Alzheimer disease: Evidence based on proteomics studies. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1248-1257.	1.8	158
185	Alzheimer's and Parkinson's diseases: An environmental proteomic point of view. Journal of Proteomics, 2014, 104, 24-36.	1.2	7
186	New Insight into Neurodegeneration: the Role of Proteomics. Molecular Neurobiology, 2014, 49, 1181-1199.	1.9	18
187	Oxidative stress, redox signalling and endothelial dysfunction in ageing-related neurodegenerative diseases: a role of NADPH oxidase 2. British Journal of Clinical Pharmacology, 2014, 78, 441-453.	1.1	85
188	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
189	Development of nitric oxide synthase inhibitors for neurodegeneration and neuropathic pain. Chemical Society Reviews, 2014, 43, 6814-6838.	18.7	121
190	Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) and Alzheimer's disease. Pathologie Et Biologie, 2014, 62, 333-336.	2.2	54
191	The 2013 SFRBM discovery award: Selected discoveries from the butterfield laboratory of oxidative stress and its sequela in brain in cognitive disorders exemplified by Alzheimer disease and chemotherapy induced cognitive impairment. Free Radical Biology and Medicine, 2014, 74, 157-174.	1.3	103
192	Proteomic characterization of nitrated cell targets after hypobaric hypoxia and reoxygenation in rat brain. Journal of Proteomics, 2014, 109, 309-321.	1.2	15
193	Elevated risk of type 2 diabetes for development of Alzheimer disease: A key role for oxidative stress in brain. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1693-1706.	1.8	286

#	ARTICLE	IF	CITATIONS
194	Redox proteomics: from protein modifications to cellular dysfunction and disease. <i>Mass Spectrometry Reviews</i> , 2014, 33, 1-6.	2.8	57
195	Mass spectrometry and redox proteomics: Applications in disease. <i>Mass Spectrometry Reviews</i> , 2014, 33, 277-301.	2.8	98
196	Increased O-GlcNAc levels correlate with decreased O-GlcNAcase levels in Alzheimer disease brain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1333-1339.	1.8	53
197	Nitrative modifications of α -enolase in hepatic proteins from diabetic rats: The involvement of myeloperoxidase. <i>Chemico-Biological Interactions</i> , 2014, 220, 12-19.	1.7	6
198	Specific alterations in plasma proteins during depressed, manic, and euthymic states of bipolar disorder. <i>Brazilian Journal of Medical and Biological Research</i> , 2015, 48, 973-982.	0.7	37
199	From ATP to PTP and Back. <i>Circulation Research</i> , 2015, 116, 1850-1862.	2.0	97
200	The Voltage-dependent Anion Channel 1 Mediates Amyloid β Toxicity and Represents a Potential Target for Alzheimer Disease Therapy. <i>Journal of Biological Chemistry</i> , 2015, 290, 30670-30683.	1.6	109
201	Cardiac-specific overexpression of catalase prevents diabetes-induced pathological changes by inhibiting NF- κ B signaling activation in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 89, 314-325.	0.9	28
202	Explorative and targeted neuroproteomics in Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 769-778.	1.1	41
203	Oxidative stress in Alzheimer disease and mild cognitive impairment: evidence from human data provided by redox proteomics. <i>Archives of Toxicology</i> , 2015, 89, 1669-1680.	1.9	155
204	Vitamin D deficiency and Alzheimer disease: Common links. <i>Neurobiology of Disease</i> , 2015, 84, 84-98.	2.1	48
205	Redox proteomics identification of specifically carbonylated proteins in the hippocampi of triple transgenic Alzheimer's disease mice at its earliest pathological stage. <i>Journal of Proteomics</i> , 2015, 123, 101-113.	1.2	63
206	Age-associated oxidative modifications of mitochondrial α -subunit of F1 ATP synthase from mouse skeletal muscles. <i>Free Radical Research</i> , 2015, 49, 954-961.	1.5	7
207	Clinical Relevance of Biomarkers of Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1144-1170.	2.5	604
208	The Mitochondrial Permeability Transition Pore: Channel Formation by F-ATP Synthase, Integration in Signal Transduction, and Role in Pathophysiology. <i>Physiological Reviews</i> , 2015, 95, 1111-1155.	13.1	481
209	Nitration of Y10 in α -40: Is It a Compensatory Reaction against Oxidative/Nitrative Stress and α Aggregation?. <i>Chemical Research in Toxicology</i> , 2015, 28, 401-407.	1.7	23
210	Stress Response Pathways in Cancer. , 2015, , .		3
211	Redox and Nitric Oxide-Mediated Regulation of Sensory Neuron Ion Channel Function. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 486-504.	2.5	58

#	ARTICLE	IF	CITATIONS
212	Mass spectrometric analysis of protein tyrosine nitration in aging and neurodegenerative diseases. <i>Mass Spectrometry Reviews</i> , 2015, 34, 166-183.	2.8	51
213	S-Nitrosylation in Alzheimer's disease. <i>Molecular Neurobiology</i> , 2015, 51, 268-280.	1.9	51
214	The Dual Function of Reactive Oxygen/Nitrogen Species in Bioenergetics and Cell Death: The Role of ATP Synthase. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-17.	1.9	66
215	ANSID: A Solid-Phase Proteomic Approach for Identification and Relative Quantification of Aromatic Nitration Sites. <i>Frontiers in Chemistry</i> , 2015, 3, 70.	1.8	14
216	Getting to NO Alzheimer's Disease: Neuroprotection versus Neurotoxicity Mediated by Nitric Oxide. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-8.	1.9	98
217	Mitochondrial Dysfunction in Cancer and Neurodegenerative Diseases: Spotlight on Fatty Acid Oxidation and Lipoperoxidation Products. <i>Antioxidants</i> , 2016, 5, 7.	2.2	55
218	Organization of the nitroergic neuronal system in the primitive bony fishes <i>Polypterus senegalus</i> and <i>Erpetoichthys calabaricus</i> (Actinopterygii: Cladistia). <i>Journal of Comparative Neurology</i> , 2016, 524, 1770-1804.	0.9	11
219	Biochemistry of Oxidative Stress. , 2016, , .		5
220	Redox Based-Peripheral Biomarkers in Alzheimer's Disease: Challenges, Limits and Prospects. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2016, , 377-397.	0.4	1
221	Inflammation, Aging, and Oxidative Stress. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2016, , .	0.4	9
222	Neurovascular Coupling Mediated by Neuronal Derived-Nitric Oxide: Mechanisms in Health and Dysfunction with Impact on Aging and Alzheimer's Disease. , 2016, , 289-308.		2
223	Energy metabolism and inflammation in brain aging and Alzheimer's disease. <i>Free Radical Biology and Medicine</i> , 2016, 100, 108-122.	1.3	344
224	Proteomic approaches to quantify cysteine reversible modifications in aging and neurodegenerative diseases. <i>Proteomics - Clinical Applications</i> , 2016, 10, 1159-1177.	0.8	28
225	Insight of brain degenerative protein modifications in the pathology of neurodegeneration and dementia by proteomic profiling. <i>Molecular Brain</i> , 2016, 9, 92.	1.3	53
226	In vitro antioxidative and cholinesterase inhibitory properties of <i>Thunbergia grandiflora</i> leaf extract. <i>Cogent Food and Agriculture</i> , 2016, 2, .	0.6	3
227	Oxygen consumption deficit in Huntington disease mouse brain under metabolic stress. <i>Human Molecular Genetics</i> , 2016, 25, ddw138.	1.4	26
228	Neurodegeneration and Alzheimer's disease (AD). What Can Proteomics Tell Us About the Alzheimer's Brain?. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 409-425.	2.5	79
229	Clinical implications from proteomic studies in neurodegenerative diseases: lessons from mitochondrial proteins. <i>Expert Review of Proteomics</i> , 2016, 13, 259-274.	1.3	20

#	ARTICLE	IF	CITATIONS
230	Behavioral despair associated with a mouse model of Crohn's disease: Role of nitric oxide pathway. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 64, 131-141.	2.5	39
231	Assessment of GAPDH expression by quantitative real time PCR in blood of Moroccan AD cases. <i>Journal of Clinical Neuroscience</i> , 2017, 40, 24-26.	0.8	2
232	Neurovascular uncoupling in the triple transgenic model of Alzheimer's disease: Impaired cerebral blood flow response to neuronal-derived nitric oxide signaling. <i>Experimental Neurology</i> , 2017, 291, 36-43.	2.0	61
233	Effect of Second-Hand Tobacco Smoke on the Nitration of Brain Proteins: A Systems Biology and Bioinformatics Approach. <i>Methods in Molecular Biology</i> , 2017, 1598, 353-372.	0.4	2
234	Pattern of Nitrergic Neuronal System Organization in the Brain of Two Holostean Fishes (Actinopterygii: Ginglymodi). <i>Brain, Behavior and Evolution</i> , 2017, 89, 117-152.	0.9	13
236	Putative 3-nitrotyrosine detoxifying genes identified in the yeast <i>Debaryomyces hansenii</i> : In silico search of regulatory sequences responsive to salt and nitrogen stress. <i>Electronic Journal of Biotechnology</i> , 2017, 29, 1-6.	1.2	1
237	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. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 364-387.	2.5	97
238	Mitochondrial VDAC1: A Key Gatekeeper as Potential Therapeutic Target. <i>Frontiers in Physiology</i> , 2017, 8, 460.	1.3	238
239	Voltage-Dependent Anion Channel 1 As an Emerging Drug Target for Novel Anti-Cancer Therapeutics. <i>Frontiers in Oncology</i> , 2017, 7, 154.	1.3	89
240	Measurement and Clinical Significance of Biomarkers of Oxidative Stress in Humans. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-32.	1.9	510
241	Nitric Oxide Signaling in Neurodegeneration and Cell Death. <i>Advances in Pharmacology</i> , 2018, 82, 57-83.	1.2	65
242	Nitric Oxide and Mitochondrial Function in Neurological Diseases. <i>Neuroscience</i> , 2018, 376, 48-71.	1.1	64
243	The determination of the carbonic anhydrases activators <i>in vitro</i> effect of mixed donor crown ethers. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22032.	1.4	8
244	Oxidative Stress, Amyloid- β Peptide, and Altered Key Molecular Pathways in the Pathogenesis and Progression of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018, 62, 1345-1367.	1.2	271
245	VDAC1, mitochondrial dysfunction, and Alzheimer's disease. <i>Pharmacological Research</i> , 2018, 131, 87-101.	3.1	153
246	VDAC1 functions in Ca ²⁺ homeostasis and cell life and death in health and disease. <i>Cell Calcium</i> , 2018, 69, 81-100.	1.1	100
247	Biological Activities, Health Benefits, and Therapeutic Properties of Avenanthramides: From Skin Protection to Prevention and Treatment of Cerebrovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-17.	1.9	60
248	Proteomics and lipidomics in the human brain. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 150, 285-302.	1.0	7

#	ARTICLE	IF	CITATIONS
249	Copper Binding Induces Nitration of NPY under Nitrate Stress: Complicating the Role of NPY in Alzheimer's Disease. <i>Chemical Research in Toxicology</i> , 2018, 31, 904-913.	1.7	14
250	Mitochondria as Potential Targets in Alzheimer Disease Therapy: An Update. <i>Frontiers in Pharmacology</i> , 2019, 10, 902.	1.6	173
251	A New Kid on the Block? Carbonic Anhydrases as Possible New Targets in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4724.	1.8	61
252	Upregulation of Proteolytic Pathways and Altered Protein Biosynthesis Underlie Retinal Pathology in a Mouse Model of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2019, 56, 6017-6034.	1.9	41
253	Inhibition of Neuronal Nitric Oxide Synthase by Ethyl Pyruvate in Schwann Cells Protects Against Peripheral Nerve Degeneration. <i>Neurochemical Research</i> , 2019, 44, 1964-1976.	1.6	12
254	Oxidative Stress in Neurodegenerative Diseases: From a Mitochondrial Point of View. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-18.	1.9	311
255	Redox proteomics and amyloid β -peptide: insights into Alzheimer disease. <i>Journal of Neurochemistry</i> , 2019, 151, 459-487.	2.1	80
256	Phosphoproteomics of Alzheimer disease brain: Insights into altered brain protein regulation of critical neuronal functions and their contributions to subsequent cognitive loss. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2031-2039.	1.8	10
257	Functions and dysfunctions of nitric oxide in brain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1949-1967.	1.8	197
258	Protein tyrosine nitration: Chemistry and role in diseases. <i>Advances in Molecular Toxicology</i> , 2019, , 109-128.	0.4	3
259	3-Nitrotyrosine: a versatile oxidative stress biomarker for major neurodegenerative diseases. <i>International Journal of Neuroscience</i> , 2020, 130, 1047-1062.	0.8	84
260	Role of Oxidative Stress and Antioxidant Defense Biomarkers in Neurodegenerative Diseases. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2020, 30, 311-322.	0.4	31
261	Mitochondrial Oxidative and Nitrosative Stress and Alzheimer Disease. <i>Antioxidants</i> , 2020, 9, 818.	2.2	42
262	The Writers, Readers, and Erasers in Redox Regulation of GAPDH. <i>Antioxidants</i> , 2020, 9, 1288.	2.2	30
263	An investigation of the correlation between the S-glutathionylated GAPDH levels in blood and Alzheimer's disease progression. <i>PLoS ONE</i> , 2020, 15, e0233289.	1.1	13
264	The role of nitric oxide in brain disorders: Autism spectrum disorder and other psychiatric, neurological, and neurodegenerative disorders. <i>Redox Biology</i> , 2020, 34, 101567.	3.9	82
265	Oxidative stress and antioxidant capacity: development and prospects. <i>New Journal of Chemistry</i> , 2020, 44, 11405-11419.	1.4	12
266	Impact of neural stem cell-derived extracellular vesicles on mitochondrial dysfunction, sirtuin 1 level, and synaptic deficits in Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2020, 154, 502-518.	2.1	54

#	ARTICLE	IF	CITATIONS
267	Beyond antioxidant actions: Insights into the antioxidant activities of tyrosine-containing dipeptides in aqueous solution systems and liposomal systems. <i>International Journal of Food Science and Technology</i> , 2020, 55, 3227-3234.	1.3	2
268	Mitochondrial and Nuclear DNA Oxidative Damage in Physiological and Pathological Aging. <i>DNA and Cell Biology</i> , 2020, 39, 1410-1420.	0.9	69
269	Unbiased Proteomic Approach Identifies Pathobiological Profiles in the Brains of Preclinical Models of Repetitive Mild Traumatic Brain Injury, Tauopathy, and Amyloidosis. <i>ASN Neuro</i> , 2020, 12, 175909142091476.	1.5	7
270	Role of mitochondrial dysfunction, oxidative stress and autophagy in progression of Alzheimer's disease. <i>Journal of the Neurological Sciences</i> , 2021, 421, 117253.	0.3	95
271	Air Pollution Is Associated with Poor Cognitive Function in Taiwanese Adults. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 316.	1.2	13
272	Expression Analysis of 4-Hydroxynonenal Modified Proteins in Schizophrenia Brain; Relevance to Involvement in Redox Dysregulation. <i>Current Proteomics</i> , 2022, 19, 102-113.	0.1	2
273	Saliva nitrite is higher in male children with autism spectrum disorder and positively correlated with serum nitrate. <i>Redox Report</i> , 2021, 26, 124-133.	1.4	5
274	Metabolic disorder in Alzheimer's disease. <i>Metabolic Brain Disease</i> , 2021, 36, 781-813.	1.4	23
275	Insights Into the Mechanism of Tyrosine Nitration in Preventing β -Amyloid Aggregation in Alzheimer's Disease. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 619836.	1.4	4
276	Mitochondrial Dysfunction and Oxidative Stress in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 617588.	1.7	236
277	Cellular S-nitrosylases: Potential role and interplay of Thioredoxin, TRP14, and Glutaredoxin systems in thiol-dependent protein denitrosylation. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 131, 105904.	1.2	10
278	Common and Novel Markers for Measuring Inflammation and Oxidative Stress Ex Vivo in Research and Clinical Practice—Which to Use Regarding Disease Outcomes?. <i>Antioxidants</i> , 2021, 10, 414.	2.2	44
279	Dynamic Interplay between Copper Toxicity and Mitochondrial Dysfunction in Alzheimer's Disease. <i>Life</i> , 2021, 11, 386.	1.1	5
280	The ATP Synthase Deficiency in Human Diseases. <i>Life</i> , 2021, 11, 325.	1.1	27
281	Oxidative Modification of Proteins: From Damage to Catalysis, Signaling, and Beyond. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 1016-1080.	2.5	13
282	A Review of Oxidative Stress Products and Related Genes in Early Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 83, 977-1001.	1.2	34
283	Decreased proteasomal cleavage at nitrotyrosine sites in proteins and peptides. <i>Redox Biology</i> , 2021, 46, 102106.	3.9	6
284	Brain Protein Oxidation and Modification for Good or for Bad in Alzheimer's Disease. <i>Advances in Neurobiology</i> , 2011, , 585-605.	1.3	1

#	ARTICLE	IF	CITATIONS
285	Detection of Carbonylated Proteins in 2-D SDS Page Separations. <i>Methods in Molecular Biology</i> , 2008, 476, 149-159.	0.4	11
286	Detection of 4-Hydroxy-2-Nonenal- and 3-Nitrotyrosine-Modified Proteins Using a Proteomics Approach. <i>Methods in Molecular Biology</i> , 2009, 519, 351-361.	0.4	15
287	Proteomics Identification of Carbonylated and HNE-Bound Brain Proteins in Alzheimer's Disease. <i>Methods in Molecular Biology</i> , 2009, 566, 123-135.	0.4	28
288	Nitrated Proteins in the Progression of Alzheimer's Disease: A Proteomics Comparison of Mild Cognitive Impairment and Alzheimer's Disease Brain. , 2009, , 137-157.		1
289	Brain Oxidative Stress in the Pathogenesis and Progression of Alzheimer's Disease. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2013, , 99-118.	0.4	1
290	VDAC1 at the crossroads of cell metabolism, apoptosis and cell stress. <i>Cell Stress</i> , 2017, 1, 11-36.	1.4	101
291	Origin and pathophysiology of protein carbonylation, nitration and chlorination in age-related brain diseases and aging. <i>Aging</i> , 2018, 10, 868-901.	1.4	62
292	ATP synthase and Alzheimer's disease: putting a spin on the mitochondrial hypothesis. <i>Aging</i> , 2020, 12, 16647-16662.	1.4	33
293	Nitric Oxide Homeostasis in Neurodegenerative Diseases. <i>Current Alzheimer Research</i> , 2016, 13, 135-149.	0.7	43
294	Reactive Oxygen Species, Redox Signaling and Neuroinflammation in Alzheimer's Disease: The NF- κ B Connection. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 446-457.	1.0	93
295	Exploring the Potential of Neuroproteomics in Alzheimer's Disease. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 2263-2278.	1.0	12
296	Identification of dihalogenated proteins in rat intestinal mucosa injured by indomethacin. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2011, 48, 178-182.	0.6	8
297	In-vitro screening of acetylcholinesterase inhibitory activity of extracts from Palestinian indigenous flora in relation to the treatment of Alzheimer's disease. <i>Functional Foods in Health and Disease</i> , 2014, 4, 381.	0.3	27
298	Oxidative stress, mitochondrial damage and neurodegenerative diseases. <i>Neural Regeneration Research</i> , 2013, 8, 2003-14.	1.6	600
299	Neuroprotective effect of edaravone in experimental glaucoma model in rats: a immunofluorescence and biochemical analysis. <i>International Journal of Ophthalmology</i> , 2015, 8, 239-44.	0.5	11
300	Proteomic Comparison of Nasopharyngeal Cancer Cell Lines C666-1 and NP69 Identifies Down-Regulation of Annexin II and β -Tubulin for Nasopharyngeal Carcinoma. <i>Archives of Pathology and Laboratory Medicine</i> , 2008, 132, 675-683.	1.2	27
301	Adverse Effects of Metformin From Diabetes to COVID-19, Cancer, Neurodegenerative Diseases, and Aging: Is VDAC1 a Common Target?. <i>Frontiers in Physiology</i> , 2021, 12, 730048.	1.3	22
302	Proteomics Analysis in Alzheimer's Disease: New Insights into Mechanisms of Neurodegeneration. , 2007, , 233-252.		0

#	ARTICLE	IF	CITATIONS
304	Metabolic Abnormalities in Alzheimer Disease. , 2009, , 483-530.		0
306	Immunology and Glaucoma. , 2010, , 925-931.		0
307	Cardiovascular Proteomic Analysis. , 2013, , 81-98.		0
308	At the Crossroads Between Mitochondrial Metabolite Transport and Apoptosis: VDAC1 as an Emerging Cancer Drug Target. , 2015, , 345-373.		0
309	Modification of Glyceraldehyde-3-Phosphate Dehydrogenase with Nitric Oxide: Role in Signal Transduction and Development of Apoptosis. Biomolecules, 2021, 11, 1656.	1.8	9
310	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
311	L-arginine and Alzheimer's disease. International Journal of Clinical and Experimental Pathology, 2009, 2, 211-38.	0.5	36
312	Biliverdin Reductase-A correlates with inducible nitric oxide synthase in atorvastatin treated aged canine brain. Neural Regeneration Research, 2013, 8, 1925-37.	1.6	11
313	Alzheimer's Pathogenesis, Metal-Mediated Redox Stress, and Potential Nanotheranostics. , 2019, 7, 547-558.		0
314	New Strategies for the Total/Partial Replacement of Conventional Sodium Nitrite in Meat Products: a Review. Food and Bioprocess Technology, 2022, 15, 514-538.	2.6	18
315	Neuromeric Distribution of Nicotinamide Adenine Dinucleotide Phosphate-Diaphorase Activity in the Adult Lamprey Brain. Frontiers in Neuroanatomy, 2022, 16, 826087.	0.9	0
316	Simultaneous binding of heme and Cu with amyloid Î² peptides: active site and reactivities. Dalton Transactions, 2022, 51, 4986-4999.	1.6	7
317	Mitochondrial ATP Synthase is a Target of Oxidative Stress in Neurodegenerative Diseases. Frontiers in Molecular Biosciences, 2022, 9, 854321.	1.6	15
318	From the Structural and (Dys)Function of ATP Synthase to Deficiency in Age-Related Diseases. Life, 2022, 12, 401.	1.1	11
319	Î³-Secretase in Alzheimerâ€™s disease. Experimental and Molecular Medicine, 2022, 54, 433-446.	3.2	67
320	Proteomics and Genomics. , 2008, , 725-741.		0
322	The Link between Oxidative Stress, Mitochondrial Dysfunction and Neuroinflammation in the Pathophysiology of Alzheimerâ€™s Disease: Therapeutic Implications and Future Perspectives. Antioxidants, 2022, 11, 2167.	2.2	17
323	Impact of Reactive Species on Amino Acidsâ€™ Biological Relevance in Proteins and Induced Pathologies. International Journal of Molecular Sciences, 2022, 23, 14049.	1.8	11

#	ARTICLE	IF	CITATIONS
324	Insights into the Pathophysiology of Alzheimer's Disease and Potential Therapeutic Targets: A Current Perspective. <i>Journal of Alzheimer's Disease</i> , 2023, 91, 507-530.	1.2	8
325	Molecular Mechanisms of Neuroinflammation in Aging and Alzheimer's Disease Progression. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1869.	1.8	25
326	Oxidative stress on vessels at the maternal-fetal interface for female reproductive system disorders: Update. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	4
327	The pathomimetic $\alpha\text{A}\beta_{25-35}$ model of Alzheimer's disease: Potential for screening of new therapeutic agents. , 2023, 245, 108398.		6
328	Inhibition of VDAC1 Rescues $\text{A}\beta_{1-42}$ -Induced Mitochondrial Dysfunction and Ferroptosis via Activation of AMPK and Wnt/ β -Catenin Pathways. <i>Mediators of Inflammation</i> , 2023, 2023, 1-13.	1.4	4
329	Antioxidant Compounds from Edible Mushrooms as Potential Candidates for Treating Age-Related Neurodegenerative Diseases. <i>Nutrients</i> , 2023, 15, 1913.	1.7	13