

David Allan Butterfield

List of Publications by Year in descending order

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Version: 2024-02-01

448
papers

44,953
citations

1118

115
h-index

3417

189
g-index

458
all docs

458
docs citations

458
times ranked

39937
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered Metabolism in Alzheimer Disease Brain: Role of Oxidative Stress. Antioxidants and Redox Signaling, 2022, 36, 1289-1305.	2.5	39
2	Oxidative stress and mTOR in Down syndrome brain: Link to Alzheimer's dysmetabolism, neuropathology, and possible therapies. , 2022, , 75-96.		0
3	Aberrant crosstalk between insulin signaling and mTOR in young Down syndrome individuals revealed by neuronal-derived extracellular vesicles. Alzheimer's and Dementia, 2022, 18, 1498-1510.	0.4	16
4	Metabolic Features of Brain Function with Relevance to Clinical Features of Alzheimer and Parkinson Diseases. Molecules, 2022, 27, 951.	1.7	12
5	CAPE and its synthetic derivative VP961 restore BACH1/NRF2 axis in Down Syndrome. Free Radical Biology and Medicine, 2022, 183, 1-13.	1.3	9
6	Extracellular vesicles released after cranial radiation: An insight into an early mechanism of brain injury. Brain Research, 2022, 1782, 147840.	1.1	5
7	Chronic PERK induction promotes Alzheimer-like neuropathology in Down syndrome: Insights for therapeutic intervention. Progress in Neurobiology, 2021, 196, 101892.	2.8	21
8	Fidelity of the PINK1 knockout rat to oxidative stress and other characteristics of Parkinson disease. Free Radical Biology and Medicine, 2021, 163, 88-101.	1.3	9
9	Insulin resistance, oxidative stress and mitochondrial defects in Ts65dn mice brain: A harmful synergistic path in down syndrome. Free Radical Biology and Medicine, 2021, 165, 152-170.	1.3	26
10	Assessment of chemotherapy-induced cognitive impairment: A prospective study of the biochemical and metabolic effects of platinum/taxane-based chemotherapy in gynecologic cancer patients.. Journal of Clinical Oncology, 2021, 39, e24051-e24051.	0.8	0
11	The preparation temperature influences the physicochemical nature and activity of nanoceria. Beilstein Journal of Nanotechnology, 2021, 12, 525-540.	1.5	0
12	Chemotherapy-induced cognitive impairment: focus on the intersection of oxidative stress and TNF α . Cellular and Molecular Life Sciences, 2021, 78, 6533-6540.	2.4	9
13	Healthy dietary intake moderates the effects of age on brain iron concentration and working memory performance. Neurobiology of Aging, 2021, 106, 183-196.	1.5	12
14	The interplay among oxidative stress, brain insulin resistance and AMPK dysfunction contribute to neurodegeneration in type 2 diabetes and Alzheimer disease. Free Radical Biology and Medicine, 2021, 176, 16-33.	1.3	53
15	Ubiquitin carboxyl-terminal hydrolase L-1 in brain: Focus on its oxidative/nitrosative modification and role in brains of subjects with Alzheimer disease and mild cognitive impairment. Free Radical Biology and Medicine, 2021, 177, 278-286.	1.3	12
16	Insufficient Sun Exposure Has Become a Real Public Health Problem. International Journal of Environmental Research and Public Health, 2020, 17, 5014.	1.2	71
17	The BACH1/Nrf2 Axis in Brain in Down Syndrome and Transition to Alzheimer Disease-Like Neuropathology and Dementia. Antioxidants, 2020, 9, 779.	2.2	21
18	Mitochondrial Oxidative and Nitrosative Stress and Alzheimer Disease. Antioxidants, 2020, 9, 818.	2.2	42

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19	Nanoceria distribution and effects are mouse-strain dependent. <i>Nanotoxicology</i> , 2020, 14, 827-846.	1.6	11
20	Brain lipid peroxidation and alzheimer disease: Synergy between the Butterfield and Mattson laboratories. <i>Ageing Research Reviews</i> , 2020, 64, 101049.	5.0	45
21	APOE in Alzheimer's disease and neurodegeneration. <i>Neurobiology of Disease</i> , 2020, 139, 104847.	2.1	5
22	Loss of CLN3, the gene mutated in juvenile neuronal ceroid lipofuscinosis, leads to metabolic impairment and autophagy induction in retinal pigment epithelium. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165883.	1.8	24
23	Apolipoprotein E and oxidative stress in brain with relevance to Alzheimer's disease. <i>Neurobiology of Disease</i> , 2020, 138, 104795.	2.1	100
24	Brain insulin resistance triggers early onset Alzheimer disease in Down syndrome. <i>Neurobiology of Disease</i> , 2020, 137, 104772.	2.1	54
25	Biliverdin Reductase-A Mediates the Beneficial Effects of Intranasal Insulin in Alzheimer Disease. <i>Molecular Neurobiology</i> , 2019, 56, 2922-2943.	1.9	70
26	Profiles of brain oxidative damage, ventricular alterations, and neurochemical metabolites in the striatum of PINK1 knockout rats as functions of age and gender: Relevance to Parkinson disease. <i>Free Radical Biology and Medicine</i> , 2019, 143, 146-152.	1.3	16
27	Targeting Mitochondria in Alzheimer Disease: Rationale and Perspectives. <i>CNS Drugs</i> , 2019, 33, 957-969.	2.7	45
28	Extracellular vesicle-mediated macrophage activation: An insight into the mechanism of thioredoxin-mediated immune activation. <i>Redox Biology</i> , 2019, 26, 101237.	3.9	19
29	mTOR Inhibitor Everolimus in Regulatory T Cell Expansion for Clinical Application in Transplantation. <i>Transplantation</i> , 2019, 103, 705-715.	0.5	28
30	Restoration of aberrant mTOR signaling by intranasal rapamycin reduces oxidative damage: Focus on HNE-modified proteins in a mouse model of down syndrome. <i>Redox Biology</i> , 2019, 23, 101162.	3.9	46
31	Oxidative stress, dysfunctional glucose metabolism and Alzheimer disease. <i>Nature Reviews Neuroscience</i> , 2019, 20, 148-160.	4.9	1,021
32	Loss of biliverdin reductase-A favors Tau hyper-phosphorylation in Alzheimer's disease. <i>Neurobiology of Disease</i> , 2019, 125, 176-189.	2.1	55
33	Plausible biochemical mechanisms of chemotherapy-induced cognitive impairment (‘chemobrain’), a condition that significantly impairs the quality of life of many cancer survivors. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1088-1097.	1.8	75
34	Redox proteomics and amyloid Î²-peptide: insights into Alzheimer disease. <i>Journal of Neurochemistry</i> , 2019, 151, 459-487.	2.1	80
35	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
36	The triangle of death of neurons: Oxidative damage, mitochondrial dysfunction, and loss of choline-containing biomolecules in brains of mice treated with doxorubicin. Advanced insights into mechanisms of chemotherapy induced cognitive impairment (‘chemobrain’) involving TNF-Î±. <i>Free Radical Biology and Medicine</i> , 2019, 134, 1-8.	1.3	59

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37	Disruption of the hippocampal and hypothalamic blood-brain barrier in a diet-induced obese model of type II diabetes: prevention and treatment by the mitochondrial carbonic anhydrase inhibitor, topiramate. <i>Fluids and Barriers of the CNS</i> , 2019, 16, 1.	2.4	106
38	Perspectives on Oxidative Stress in Alzheimer's Disease and Predictions of Future Research Emphases. <i>Journal of Alzheimer's Disease</i> , 2018, 64, S469-S479.	1.2	41
39	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
40	Disturbance of redox homeostasis in Down Syndrome: Role of iron dysmetabolism. <i>Free Radical Biology and Medicine</i> , 2018, 114, 84-93.	1.3	38
41	Extracellular Vesicles Released by Cardiomyocytes in a Doxorubicin-Induced Cardiac Injury Mouse Model Contain Protein Biomarkers of Early Cardiac Injury. <i>Clinical Cancer Research</i> , 2018, 24, 1644-1653.	3.2	54
42	Down syndrome: From development to adult life to Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2018, 114, 1-2.	1.3	6
43	mTOR in Down syndrome: Role in A β and tau neuropathology and transition to Alzheimer disease-like dementia. <i>Free Radical Biology and Medicine</i> , 2018, 114, 94-101.	1.3	72
44	Intranasal rapamycin ameliorates Alzheimer-like cognitive decline in a mouse model of Down syndrome. <i>Translational Neurodegeneration</i> , 2018, 7, 28.	3.6	76
45	Microdose Lithium NP03 Diminishes Pre-Plaque Oxidative Damage and Neuroinflammation in a Rat Model of Alzheimer's-like Amyloidosis. <i>Current Alzheimer Research</i> , 2018, 15, 1220-1230.	0.7	18
46	Protein nitration profile of CD3+ lymphocytes from Alzheimer disease patients: Novel hints on immunosenescence and biomarker detection. <i>Free Radical Biology and Medicine</i> , 2018, 129, 430-439.	1.3	20
47	Biliverdin reductase-A impairment links brain insulin resistance with increased A β production in an animal model of aging: Implications for Alzheimer disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3181-3194.	1.8	49
48	Poly-ubiquitin profile in Alzheimer disease brain. <i>Neurobiology of Disease</i> , 2018, 118, 129-141.	2.1	29
49	Proteomic identification of altered protein O-GlcNAcylation in a triple transgenic mouse model of Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3309-3321.	1.8	29
50	Doxorubicin-induced elevated oxidative stress and neurochemical alterations in brain and cognitive decline: protection by MESNA and insights into mechanisms of chemotherapy-induced cognitive impairment (chemobrain). <i>Oncotarget</i> , 2018, 9, 30324-30339.	0.8	102
51	Oxidative stress, protein modification and Alzheimer disease. <i>Brain Research Bulletin</i> , 2017, 133, 88-96.	1.4	230
52	Dysregulation of cytokine mediated chemotherapy induced cognitive impairment. <i>Pharmacological Research</i> , 2017, 117, 267-273.	3.1	66
53	Oxidative stress and neurodegeneration. <i>Brain Research Bulletin</i> , 2017, 133, 1-3.	1.4	9
54	Temperature induces significant changes in both glycolytic reserve and mitochondrial spare respiratory capacity in colorectal cancer cell lines. <i>Experimental Cell Research</i> , 2017, 354, 112-121.	1.2	24

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55	The role of charge in the toxicity of polymer-coated cerium oxide nanomaterials to <i>Caenorhabditis elegans</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017, 201, 1-10.	1.3	12
56	Acute treatment with doxorubicin affects glutamate neurotransmission in the mouse frontal cortex and hippocampus. <i>Brain Research</i> , 2017, 1672, 10-17.	1.1	53
57	Redox Proteomics: A Key Tool for New Insights into Protein Modification with Relevance to Disease. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 277-279.	2.5	34
58	HNE-modified proteins in Down syndrome: Involvement in development of Alzheimer disease neuropathology. <i>Free Radical Biology and Medicine</i> , 2017, 111, 262-269.	1.3	41
59	Comparative proteomic analyses of the parietal lobe from rhesus monkeys fed a high-fat/sugar diet with and without resveratrol supplementation, relative to a healthy diet: Insights into the roles of unhealthy diets and resveratrol on function. <i>Journal of Nutritional Biochemistry</i> , 2017, 39, 169-179.	1.9	8
60	Blockade of Glutamine Synthetase Enhances Inflammatory Response in Microglial Cells. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 351-363.	2.5	61
61	Role of 4-hydroxy-2-nonenal (HNE) in the pathogenesis of alzheimer disease and other selected age-related neurodegenerative disorders. <i>Free Radical Biology and Medicine</i> , 2017, 111, 253-261.	1.3	190
62	Modulation of GLP-1 signaling as a novel therapeutic approach in the treatment of Alzheimer's disease pathology. <i>Expert Review of Neurotherapeutics</i> , 2017, 17, 59-75.	1.4	29
63	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
64	Polyubiquitinylation Profile in Down Syndrome Brain Before and After the Development of Alzheimer Neuropathology. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 280-298.	2.5	38
65	It Is All about (U)biqutin: Role of Altered Ubiquitin-Proteasome System and UCHL1 in Alzheimer Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	88
66	Reaching Out to Send a Message: Proteins Associated with Neurite Outgrowth and Neurotransmission are Altered with Age in the Long-Lived Naked Mole-Rat. <i>Neurochemical Research</i> , 2016, 41, 1625-1634.	1.6	7
67	Lipid peroxidation and tyrosine nitration in traumatic brain injury: Insights into secondary injury from redox proteomics. <i>Proteomics - Clinical Applications</i> , 2016, 10, 1191-1204.	0.8	19
68	Controlled curcumin release via conjugation into PBAE nanogels enhances mitochondrial protection against oxidative stress. <i>International Journal of Pharmaceutics</i> , 2016, 511, 1012-1021.	2.6	22
69	In Vitro Cellular Assays for Oxidative Stress and Biomaterial Response. , 2016, , 145-186.		5
70	Effect of botanical extracts containing carnosic acid or rosmarinic acid on learning and memory in SAMP8 mice. <i>Physiology and Behavior</i> , 2016, 165, 328-338.	1.0	48
71	Activation of p53 in Down Syndrome and in the Ts65Dn Mouse Brain is Associated with a Pro-Apoptotic Phenotype. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 359-371.	1.2	35
72	Impairment of biliverdin reductase-A promotes brain insulin resistance in Alzheimer disease: A new paradigm. <i>Free Radical Biology and Medicine</i> , 2016, 91, 127-142.	1.3	98

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73	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
74	Novel role of 4-hydroxy-2-nonenal in AIFm2-mediated mitochondrial stress signaling. <i>Free Radical Biology and Medicine</i> , 2016, 91, 68-80.	1.3	41
75	Oxidative signature of cerebrospinal fluid from mild cognitive impairment and Alzheimer disease patients. <i>Free Radical Biology and Medicine</i> , 2016, 91, 1-9.	1.3	74
76	Redox Proteomics in Human Biofluids: Sample Preparation, Separation and Immunochemical Tagging for Analysis of Protein Oxidation. <i>Methods in Molecular Biology</i> , 2016, 1303, 391-403.	0.4	7
77	Autoantibodies Profile in Matching CSF and Serum from AD and aMCI patients: Potential Pathogenic Role and Link to Oxidative Damage. <i>Current Alzheimer Research</i> , 2016, 13, 112-122.	0.7	15
78	Quantitative Phosphoproteomic Analyses of the Inferior Parietal Lobule from Three Different Pathological Stages of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 49, 45-62.	1.2	33
79	Metabolic clues to salubrious longevity in the brain of the longest-lived rodent: the naked mole-rat. <i>Journal of Neurochemistry</i> , 2015, 134, 538-550.	2.1	15
80	Basal brain oxidative and nitrate stress levels are finely regulated by the interplay between superoxide dismutase 2 and p53. <i>Journal of Neuroscience Research</i> , 2015, 93, 1728-1739.	1.3	18
81	Plasma TNF- α and Soluble TNF Receptor Levels after Doxorubicin with or without Co-Administration of Mesna: A Randomized, Cross-Over Clinical Study. <i>PLoS ONE</i> , 2015, 10, e0124988.	1.1	33
82	Insulin resistance in Alzheimer disease: Is heme oxygenase-1 an Achille's heel?. <i>Neurobiology of Disease</i> , 2015, 84, 69-77.	2.1	26
83	Alteration of mTOR signaling occurs early in the progression of Alzheimer disease (AD): analysis of brain from subjects with preclinical AD, amnesic mild cognitive impairment and late-stage AD. <i>Journal of Neurochemistry</i> , 2015, 133, 739-749.	2.1	276
84	Quantitative expression proteomics and phosphoproteomics profile of brain from PINK1 knockout mice: insights into mechanisms of familial Parkinson's disease. <i>Journal of Neurochemistry</i> , 2015, 133, 750-765.	2.1	54
85	Bach1 Overexpression in Down Syndrome Correlates with the Alteration of the HO-1/BVR-A System: Insights for Transition to Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 1107-1120.	1.2	53
86	Pin1 cysteine-113 oxidation inhibits its catalytic activity and cellular function in Alzheimer's disease. <i>Neurobiology of Disease</i> , 2015, 76, 13-23.	2.1	91
87	Superoxide induces protein oxidation in plasma and TNF- α elevation in macrophage culture: Insights into mechanisms of neurotoxicity following doxorubicin chemotherapy. <i>Cancer Letters</i> , 2015, 367, 157-161.	3.2	40
88	Age-related changes in the proteostasis network in the brain of the naked mole-rat: Implications promoting healthy longevity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2213-2224.	1.8	47
89	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
90	Vitamin D deficiency and Alzheimer disease: Common links. <i>Neurobiology of Disease</i> , 2015, 84, 84-98.	2.1	48

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91	Redox signaling in neurodegeneration. <i>Neurobiology of Disease</i> , 2015, 84, 1-3.	2.1	4
92	mTOR signaling in aging and neurodegeneration: At the crossroad between metabolism dysfunction and impairment of autophagy. <i>Neurobiology of Disease</i> , 2015, 84, 39-49.	2.1	261
93	Strategy to reduce free radical species in Alzheimer's disease: an update of selected antioxidants. <i>Expert Review of Neurotherapeutics</i> , 2015, 15, 19-40.	1.4	87
94	Oxidative Stress and Proteostasis Network: Culprit and Casualty of Alzheimer's-Like Neurodegeneration. <i>Advances in Geriatrics</i> , 2014, 2014, 1-14.	1.6	36
95	Rat hippocampal responses up to 90 days after a single nanoceria dose extends a hierarchical oxidative stress model for nanoparticle toxicity. <i>Nanotoxicology</i> , 2014, 8, 155-166.	1.6	26
96	Redox proteomics analysis of HNE-modified proteins in Down syndrome brain: clues for understanding the development of Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2014, 71, 270-280.	1.3	87
97	Abeta, oxidative stress in Alzheimer disease: Evidence based on proteomics studies. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1248-1257.	1.8	158
98	Antisense oligonucleotide against GSK-3 β in brain of SAMP8 mice improves learning and memory and decreases oxidative stress: Involvement of transcription factor Nrf2 and implications for Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2014, 67, 387-395.	1.3	111
99	Statins more than cholesterol lowering agents in Alzheimer disease: Their pleiotropic functions as potential therapeutic targets. <i>Biochemical Pharmacology</i> , 2014, 88, 605-616.	2.0	73
100	Persistent Hepatic Structural Alterations Following Nanoceria Vascular Infusion in the Rat. <i>Toxicologic Pathology</i> , 2014, 42, 984-996.	0.9	26
101	Redox proteomics analysis to decipher the neurobiology of Alzheimer-like neurodegeneration: overlaps in Down's syndrome and Alzheimer's disease brain. <i>Biochemical Journal</i> , 2014, 463, 177-189.	1.7	93
102	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. <i>Free Radical Biology and Medicine</i> , 2014, 74, 157-174.	1.3	103
103	Elevated risk of type 2 diabetes for development of Alzheimer disease: A key role for oxidative stress in brain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1693-1706.	1.8	286
104	An investigation of the molecular mechanisms engaged before and after the development of Alzheimer disease neuropathology in Down syndrome: a proteomics approach. <i>Free Radical Biology and Medicine</i> , 2014, 76, 89-95.	1.3	23
105	Redox proteomics: from protein modifications to cellular dysfunction and disease. <i>Mass Spectrometry Reviews</i> , 2014, 33, 1-6.	2.8	57
106	Redox proteomics and the dynamic molecular landscape of the aging brain. <i>Ageing Research Reviews</i> , 2014, 13, 75-89.	5.0	56
107	In Vivo Processing of Ceria Nanoparticles inside Liver: Impact on Free Radical Scavenging Activity and Oxidative Stress. <i>ChemPlusChem</i> , 2014, 79, 1083-1088.	1.3	65
108	Mass spectrometry and redox proteomics: Applications in disease. <i>Mass Spectrometry Reviews</i> , 2014, 33, 277-301.	2.8	98

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109	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
110	Neuropathological role of PI3K/Akt/mTOR axis in Down syndrome brain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1144-1153.	1.8	127
111	The Janus face of the heme oxygenase/biliverdin reductase system in Alzheimer disease: It's time for reconciliation. <i>Neurobiology of Disease</i> , 2014, 62, 144-159.	2.1	109
112	O4-05-05: OXIDATIVE STRESS IN BRAIN AND LYMPHOCYTE MITOCHONDRIA IN ALZHEIMER'S DISEASE AND AMNESTIC MILD COGNITIVE IMPAIRMENT: TOWARD IDENTIFICATION OF PERIPHERAL BIOMARKERS IN THE PROGRESSION OF THIS DEMENTING DISORDER. , 2014, 10, P260-P260.		0
113	Abeta, oxidative stress in Alzheimer disease: Evidence based on proteomics studies. , 2014, 1842, 1248-1248.		1
114	Potential Therapeutic Effects of Statins in Alzheimer's Disease. , 2014, , 2339-2354.		0
115	Down Syndrome as a Special Case of Oxidatively Induced Developmental Dysregulation. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2014, , 127-142.	0.4	0
116	Amyloid β -Peptide (1-42)-Induced Oxidative Stress in Alzheimer Disease: Importance in Disease Pathogenesis and Progression. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 823-835.	2.5	439
117	Impairment of proteostasis network in Down syndrome prior to the development of Alzheimer's disease neuropathology: Redox proteomics analysis of human brain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1249-1259.	1.8	109
118	Oxidative modification of lipoic acid by HNE in Alzheimer disease brain. <i>Redox Biology</i> , 2013, 1, 80-85.	3.9	108
119	Lymphocyte mitochondria: toward identification of peripheral biomarkers in the progression of Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2013, 65, 595-606.	1.3	56
120	Lipid peroxidation triggers neurodegeneration: A redox proteomics view into the Alzheimer disease brain. <i>Free Radical Biology and Medicine</i> , 2013, 62, 157-169.	1.3	365
121	Apolipoprotein A-I: Insights from redox proteomics for its role in neurodegeneration. <i>Proteomics - Clinical Applications</i> , 2013, 7, 109-122.	0.8	59
122	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. <i>Free Radical Biology and Medicine</i> , 2013, 65, 324-334.	1.3	66
123	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. <i>Free Radical Biology and Medicine</i> , 2013, 65, 1-14.	1.3	38
124	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
125	Oxidative Stress and Down Syndrome: A Route toward Alzheimer-Like Dementia. <i>Current Gerontology and Geriatrics Research</i> , 2012, 2012, 1-10.	1.6	139
126	Do Proteomics Analyses Provide Insights into Reduced Oxidative Stress in the Brain of an Alzheimer Disease Transgenic Mouse Model with an M631L Amyloid Precursor Protein Substitution and Thereby the Importance of Amyloid-Beta-Resident Methionine 35 in Alzheimer Disease Pathogenesis?. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1507-1514.	2.5	22

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127	4-Hydroxy-2-Nonenal, a Reactive Product of Lipid Peroxidation, and Neurodegenerative Diseases: A Toxic Combination Illuminated by Redox Proteomics Studies. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1590-1609.	2.5	184
128	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. <i>Journal of Alzheimer's Disease</i> , 2012, 32, 277-289.	1.2	43
129	Atorvastatin treatment in a dog preclinical model of Alzheimer's disease leads to up-regulation of haem oxygenase-1 and is associated with reduced oxidative stress in brain. <i>International Journal of Neuropsychopharmacology</i> , 2012, 15, 981-987.	1.0	63
130	Rat brain pro-oxidant effects of peripherally administered 5nm ceria 30 days after exposure. <i>NeuroToxicology</i> , 2012, 33, 1147-1155.	1.4	44
131	Lack of p53 Decreases Basal Oxidative Stress Levels in the Brain Through Upregulation of Thioredoxin-1, Biliverdin Reductase-A, Manganese Superoxide Dismutase, and Nuclear Factor Kappa-B. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 1407-1420.	2.5	30
132	Distribution, Elimination, and Biopersistence to 90 Days of a Systemically Introduced 30 nm Ceria-Engineered Nanomaterial in Rats. <i>Toxicological Sciences</i> , 2012, 127, 256-268.	1.4	114
133	Association between frontal cortex oxidative damage and beta-amyloid as a function of age in Down syndrome. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 130-138.	1.8	103
134	Elevation of glutathione as a therapeutic strategy in Alzheimer disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 625-630.	1.8	267
135	Short-term molecular-level effects of silver nanoparticle exposure on the earthworm, <i>Eisenia fetida</i> . <i>Environmental Pollution</i> , 2012, 171, 249-255.	3.7	89
136	Lipopolysaccharide impairs amyloid beta efflux from brain: altered vascular sequestration, cerebrospinal fluid reabsorption, peripheral clearance and transporter function at the blood-brain barrier. <i>Journal of Neuroinflammation</i> , 2012, 9, 150.	3.1	102
137	Sex differences in brain proteomes of neuron-specific STAT3 null mice after cerebral ischemia/reperfusion. <i>Journal of Neurochemistry</i> , 2012, 121, 680-692.	2.1	29
138	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
139	Redox Proteomics. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1487-1489.	2.5	62
140	Redox Proteomics Analyses of the Influence of Co-Expression of Wild-Type or Mutated LRRK2 and Tau on <i>C. elegans</i> Protein Expression and Oxidative Modification: Relevance to Parkinson Disease. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1490-1506.	2.5	43
141	Cell Cycle Proteins in Brain in Mild Cognitive Impairment: Insights into Progression to Alzheimer Disease. <i>Neurotoxicity Research</i> , 2012, 22, 220-230.	1.3	49
142	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
143	Global Effects of Adriamycin Treatment on Mouse Splenic Protein Levels. <i>Journal of Proteome Research</i> , 2012, 11, 1054-1064.	1.8	5
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