Vittorio Calabrese

List of Publications by Year in Descending Order

205 papers	14,393 citations	72 h-index	114 g-index
214 ext. papers	16,123 ext. citations	5.5 avg, IF	6.41 L-index

#	Paper	IF	Citations
205	Astaxanthin as a Modulator of Nrf2, NF-B, and Their Crosstalk: Molecular Mechanisms and Possible Clinical Applications.. *Molecules*, **2022**, 27,	4.8	2
204	POTENTIAL PREVENTION AND TREATMENT OF NEURODEGENERATIVE DISORDERS BY OLIVE POLYPHENOLS AND HYDROX.. *Mechanisms of Ageing and Development*, **2022**, 111637	5.6	3
203	XENOHORMESIS UNDERLYES THE ANTI-AGING AND HEALTHY PROPERTIES OF OLIVE POLYPHENOLS.. *Mechanisms of Ageing and Development*, **2022**, 111620	5.6	2
202	Enhancing health span: muscle stem cells and hormesis.. *Biogerontology*, **2022**, 1	4.5	3
201	Stem cells and hormesis. *Current Opinion in Toxicology*, **2022**, 30, 100340	4.4	1
200	S-Acetyl-Glutathione Attenuates Carbon Tetrachloride-Induced Liver Injury by Modulating Oxidative Imbalance and Inflammation.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	2
199	HUMAN DENTAL PULP STEM CELLS AND HORMESIS. *Ageing Research Reviews*, **2021**, 101540	12	5
198	Brain health promotion: Tactics within a strategic approach based upon valid, yet evolving scientific evidence. *Mechanisms of Ageing and Development*, **2021**, 201, 111605	5.6	
197	Anti-Candidal Activity of the Parasitic Plant Forssk. *Antibiotics*, **2021**, 10,	4.9	2
196	Hormesis and neural stem cells. *Free Radical Biology and Medicine*, **2021**, 178, 314-314	7.8	7
195	Redox modulation by plant polyphenols targeting vitagenes for chemoprevention and therapy: Relevance to novel anti-cancer interventions and mini-brain organoid technology.. *Free Radical Biology and Medicine*, **2021**, 179, 59-75	7.8	2
194	Food for Brain Health. *Healthy Ageing and Longevity*, **2021**, 239-274	0.5	
193	Key Mechanisms and Potential Implications of in NLRP3 Inflammasome Activation by Reactive Oxygen Species during Alzheimer's Disease. *Antioxidants*, **2021**, 10,	7.1	6
192	Protects SH-SY5YCells from DEHP-Induced Endoplasmic Reticulum Stress and Apoptosis. *Antioxidants*, **2021**, 10,	7.1	4
191	Hidrox Roles in Neuroprotection: Biochemical Links between Traumatic Brain Injury and Alzheimer's Disease. *Antioxidants*, **2021**, 10,	7.1	9
190	Hidrox and Endometriosis: Biochemical Evaluation of Oxidative Stress and Pain. *Antioxidants*, **2021**, 10,	7.1	10
189	Hidrox Counteracts Cyclophosphamide-Induced Male Infertility through NRF2 Pathways in a Mouse Model. *Antioxidants*, **2021**, 10,	7.1	12

188	Demonstrated hormetic mechanisms putatively subserve riluzole-induced effects in neuroprotection against amyotrophic lateral sclerosis (ALS): Implications for research and clinical practice. *Ageing Research Reviews*, **2021**, 67, 101273	12	11
187	Carbon Monoxide: from Poison to Clinical Trials. *Trends in Pharmacological Sciences*, **2021**, 42, 329-339	13.2	17
186	and Modulate Molecular and Biochemical Changes after Traumatic Brain Injury. *Antioxidants*, **2021**, 10,	7.1	10
185	Hidrox and Chronic Cystitis: Biochemical Evaluation of Inflammation, Oxidative Stress, and Pain. *Antioxidants*, **2021**, 10,	7.1	7
184	Putative hormetic mechanisms and effects of atypical antipsychotic agents: Implications for study design and clinical psychopharmacotherapeutics. *Chemico-Biological Interactions*, **2021**, 333, 109327	5	
183	Gene-Environment Interactions in Developmental Neurotoxicity: a Case Study of Synergy between Chlorpyrifos and CHD8 Knockout in Human BrainSpheres. *Environmental Health Perspectives*, **2021**, 129, 77001	8.4	13
182	Ferulic acid and hormesis: Biomedical and environmental implications. *Mechanisms of Ageing and Development*, **2021**, 198, 111544	5.6	9
181	Luteolin and hormesis. *Mechanisms of Ageing and Development*, **2021**, 199, 111559	5.6	5
180	Redox modulation of vitagenes via plant polyphenols and vitamin D: Novel insights for chemoprevention and therapeutic interventions based on organoid technology. *Mechanisms of Ageing and Development*, **2021**, 199, 111551	5.6	5
179	Metformin-enhances resilience via hormesis. *Ageing Research Reviews*, **2021**, 71, 101418	12	3
178	Resilience signaling and hormesis in brain health and disease **2021**, 155-172		
177	Healthspan Enhancement by Olive Polyphenols in Wild Type and Parkinson's Models. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	56
176	Effect of di(2-ethylhexyl) phthalate on Nrf2-regulated glutathione homeostasis in mouse kidney. *Cell Stress and Chaperones*, **2020**, 25, 919-928	4	12
175	Carnosine Activates Cellular Stress Response in Podocytes and Reduces Glycative and Lipoperoxidative Stress. *Biomedicines*, **2020**, 8,	4.8	10
174	Healthy Effects of Plant Polyphenols: Molecular Mechanisms. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	167
173	Hormesis and Ginkgo biloba (GB): Numerous biological effects of GB are mediated via hormesis. *Ageing Research Reviews*, **2020**, 64, 101019	12	37
172	Prevents DEHP-Induced Mitochondrial Dysfunction and Apoptosis in PC12 Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	18
171	Healthspan Maintenance and Prevention of Parkinson's-like Phenotypes with Hydroxytyrosol and Oleuropein Aglycone in. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	67

170	Hormesis, Resilience and Mental Health: Enhancing Public Health and Therapeutic Options. *Healthy Ageing and Longevity*, **2020**, 497-520	0.5	2
169	Hormesis: A potential strategic approach to the treatment of neurodegenerative disease. *International Review of Neurobiology*, **2020**, 155, 271-301	4.4	17
168	Nutrition and the ageing brain: Moving towards clinical applications. *Ageing Research Reviews*, **2020** , 62, 101079	12	29
167	Di (2-ethylhexyl) phthalate targets the thioredoxin system and the oxidative branch of the pentose phosphate pathway in liver of Balb/c mice. *Environmental Toxicology*, **2020**, 35, 78-86	4.2	12
166	Does Green Tea Induce Hormesis?. *Dose-Response*, **2020**, 18, 1559325820936170	2.3	20
165	Anti-inflammatory and Anti-oxidant Activity of Hidrox in Rotenone-Induced Parkinson's Disease in Mice. *Antioxidants*, **2020**, 9,	7.1	60
164	Hydrogen Sulfide and Carnosine: Modulation of Oxidative Stress and Inflammation in Kidney and Brain Axis. *Antioxidants*, **2020**, 9,	7.1	15
163	Multivariate statistical analysis of the polyphenols content for the discrimination of honey produced in Sicily (Southern Italy). *Journal of Food Composition and Analysis*, **2019**, 82, 103225	4.1	8
162	Environment and Male Fertility: Effects of Benzo-Pyrene and Resveratrol on Human Sperm Function In Vitro. *Journal of Clinical Medicine*, **2019**, 8,	5.1	21
161	GABA-containing compound gammapyrone protects against brain impairments in Alzheimer's disease model male rats and prevents mitochondrial dysfunction in cell culture. *Journal of Neuroscience Research*, **2019**, 97, 708-726	4.4	39
160	Nutritional Mushroom Treatment in Meniere's Disease with : A Rationale for Therapeutic Intervention in Neuroinflammation and Antineurodegeneration. *International Journal of Molecular Sciences*, **2019**, 21,	6.3	29
159	Cytotoxicity models of Huntington's disease and relevance of hormetic mechanisms: A critical assessment of experimental approaches and strategies. *Pharmacological Research*, **2019**, 150, 104371	10.2	8
158	Curcumin, Hormesis and the Nervous System. *Nutrients*, **2019**, 11,	6.7	55
157	Clinical Trials on Diabetic Nephropathy: A Cross-Sectional Analysis. *Diabetes Therapy*, **2019**, 10, 229-243	3.6	1
156	Elemental mercury neurotoxicity and clinical recovery of function: A review of findings, and implications for occupational health. *Environmental Research*, **2018**, 163, 134-148	7.9	16
155	Neuroinflammation and neurohormesis in the pathogenesis of Alzheimer's disease and Alzheimer-linked pathologies: modulation by nutritional mushrooms. *Immunity and Ageing*, **2018**, 15, 8	9.7	86
154	Hormetic approaches to the treatment of Parkinson's disease: Perspectives and possibilities. *Journal of Neuroscience Research*, **2018**, 96, 1641-1662	4.4	60
153	biomass increases dendritic arborization of newly-generated neurons in mouse hippocampal dentate gyrus. *Oncotarget*, **2018**, 9, 32929-32942	3.3	6

152	CORIOLUS VERSICOLOR BIOMASS INCREASES HIPPOCAMPAL DENTATE GYRUS NEWLY-GENERATED NEURONS COMPLEXITY IN MICE. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, PO2-1-53	0	
151	Aging and Parkinson's Disease: Inflammaging, neuroinflammation and biological remodeling as key factors in pathogenesis. *Free Radical Biology and Medicine*, **2018**, 115, 80-91	7.8	173
150	Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. *Ageing Research Reviews*, **2018**, 42, 40-55	12	83
149	Hormesis as a mechanistic approach to understanding herbal treatments in traditional Chinese medicine. *Pharmacology & Therapeutics*, **2018**, 184, 42-50	13.9	55
148	Sm. Polyphenols Modulate Interferon Gamma/Histamine-Induced Inflammation in Human NCTC 2544 Keratinocytes. *Molecules*, **2018**, 23,	4.8	7
147	Protective Actions of Anserine Under Diabetic Conditions. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	40
146	Hormesis, cellular stress response and neuroinflammation in schizophrenia: Early onset versus late onset state. *Journal of Neuroscience Research*, **2017**, 95, 1182-1193	4.4	30
145	Liver X receptors activation, through TO901317 binding, reduces neuroinflammation in Parkinson's disease. *PLoS ONE*, **2017**, 12, e0174470	3.7	20
144	Allosteric inhibition of carnosinase (CN1) by inducing a conformational shift. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2017**, 32, 1102-1110	5.6	11
143	Inflammasomes, hormesis, and antioxidants in neuroinflammation: Role of NRLP3 in Alzheimer disease. *Journal of Neuroscience Research*, **2017**, 95, 1360-1372	4.4	82
142	Neuroinflammation and Mitochondrial Dysfunction in the Pathogenesis of Alzheimer?s Disease: Modulation by Coriolus Versicolor (Yun-Zhi) Nutritional Mushroom. *Journal of Neurology and Neuromedicine*, **2017**, 2, 19-28	1.5	7
141	The role of hormesis in the functional performance and protection of neural systems. *Brain Circulation*, **2017**, 3, 1-13	2.7	25
140	Hormesis, cellular stress response, and redox homeostasis in autism spectrum disorders. *Journal of Neuroscience Research*, **2016**, 94, 1488-1498	4.4	30
139	Redox modulation of cellular stress response and lipoxin A4 expression by Coriolus versicolor in rat brain: Relevance to Alzheimer's disease pathogenesis. *NeuroToxicology*, **2016**, 53, 350-358	4.4	50
138	Mushroom Biomass: Some Clinical Implications of □Glucans and Enzymes. *Current Research in Nutrition and Food Science*, **2016**, 4, 37-47	1.1	2
137	Neuroprotective Mechanisms of Dietary Phytochemicals **2016**, 251-261		1
136	Redox modulation of cellular stress response and lipoxin A4 expression by Hericium Erinaceus in rat brain: relevance to Alzheimer's disease pathogenesis. *Immunity and Ageing*, **2016**, 13, 23	9.7	41
135	HORMESIS: A Fundamental Concept with Widespread Biological and Biomedical Applications. *Gerontology*, **2016**, 62, 530-5	5.5	44

134	Major pathogenic mechanisms in vascular dementia: Roles of cellular stress response and hormesis in neuroprotection. *Journal of Neuroscience Research*, **2016**, 94, 1588-1603	4.4	62
133	Resveratrol protects against homocysteine-induced cell damage via cell stress response in neuroblastoma cells. *Journal of Neuroscience Research*, **2015**, 93, 149-56	4.4	22
132	Analytical approaches to the diagnosis and treatment of aging and aging-related disease: redox status and proteomics. *Free Radical Research*, **2015**, 49, 511-24	4	27
131	What is hormesis and its relevance to healthy aging and longevity?. *Biogerontology*, **2015**, 16, 693-707	4.5	93
130	Heat shock proteins and hormesis in the diagnosis and treatment of neurodegenerative diseases. *Immunity and Ageing*, **2015**, 12, 20	9.7	79
129	CHAPTER 12:Inflammaging, Oxidative Stress and Carnosine: Role of Hormetic Vitagenes. *Food and Nutritional Components in Focus*, **2015**, 238-256		2
128	Ferulic Acid Regulates the Nrf2/Heme Oxygenase-1 System and Counteracts Trimethyltin-Induced Neuronal Damage in the Human Neuroblastoma Cell Line SH-SY5Y. *Frontiers in Pharmacology*, **2015**, 6, 305	5.6	48
127	Cellular Stress Response, Hormesis, and Vitagens in Aging and Longevity: Role of mitochondrial Chi **2014**, 309-321		0
126	Sex hormonal regulation and hormesis in aging and longevity: role of vitagenes. *Journal of Cell Communication and Signaling*, **2014**, 8, 369-84	5.2	45
125	Altered expression pattern of Nrf2/HO-1 axis during accelerated-senescence in HIV-1 transgenic rat. *Biogerontology*, **2014**, 15, 449-61	4.5	24
124	Involvement of ELAV RNA-binding proteins in the post-transcriptional regulation of HO-1. *Frontiers in Cellular Neuroscience*, **2014**, 8, 459	6.1	9
123	Epigenetic nutraceutical diets in Alzheimer's disease. *Journal of Nutrition, Health and Aging*, **2014**, 18, 800-5	5.2	27
122	Dose response biology of resveratrol in obesity. *Journal of Cell Communication and Signaling*, **2014**, 8, 385-91	5.2	26
121	Osteoporosis and alzheimer pathology: Role of cellular stress response and hormetic redox signaling in aging and bone remodeling. *Frontiers in Pharmacology*, **2014**, 5, 120	5.6	43
120	Cellular stress response, redox status, and vitagenes in glaucoma: a systemic oxidant disorder linked to Alzheimer's disease. *Frontiers in Pharmacology*, **2014**, 5, 129	5.6	41
119	Oxidative damage and amyloid- metabolism in brain regions of the longest-lived rodents. *Journal of Neuroscience Research*, **2014**, 92, 195-205	4.4	28
118	Stress responses, vitagenes and hormesis as critical determinants in aging and longevity: Mitochondria as a "chi". *Immunity and Ageing*, **2013**, 10, 15	9.7	79
117	Hormesis: its impact on medicine and health. *Human and Experimental Toxicology*, **2013**, 32, 120-52	3.4	85

116	Low dose radiation therapy (LD-RT) is effective in the treatment of arthritis: animal model findings. *International Journal of Radiation Biology*, **2013**, 89, 287-94	2.9	30
115	Reduction of arthritic symptoms by low dose radiation therapy (LD-RT) is associated with an anti-inflammatory phenotype. *International Journal of Radiation Biology*, **2013**, 89, 278-86	2.9	35
114	Traumatic brain injury: oxidative stress and neuroprotection. *Antioxidants and Redox Signaling*, **2013** , 19, 836-53	8.4	210
113	Cellular stress response, sirtuins and UCP proteins in Alzheimer disease: role of vitagenes. *Immunity and Ageing*, **2013**, 10, 41	9.7	43
112	Hormesis and vitagenes in aging and longevity: mitochondrial control and hormonal regulation. *Hormone Molecular Biology and Clinical Investigation*, **2013**, 16, 73-89	1.3	6
111	Sulfhydryl-Reactive Phytochemicals as Dual Activators of Transcription Factors NRF2 and HSF1 **2013**, 95-119		1
110	Cellular stress responses, hormetic phytochemicals and vitagenes in aging and longevity. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2012**, 1822, 753-83	6.9	286
109	Oxidative stress, glutathione status, sirtuin and cellular stress response in type 2 diabetes. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2012**, 1822, 729-36	6.9	110
108	Hormesis: why it is important to biogerontologists. *Biogerontology*, **2012**, 13, 215-35	4.5	76
107	-174G/C IL-6 gene promoter polymorphism predicts therapeutic response to TNF- blockers. *Pharmacogenetics and Genomics*, **2012**, 22, 134-42	1.9	33
106	Hormesis, cellular stress response and vitagenes as critical determinants in aging and longevity. *Molecular Aspects of Medicine*, **2011**, 32, 279-304	16.7	163
105	Neuroprotective features of carnosine in oxidative driven diseases. *Molecular Aspects of Medicine*, **2011**, 32, 258-66	16.7	96
104	Administration of carnosine in the treatment of acute spinal cord injury. *Biochemical Pharmacology*, **2011**, 82, 1478-89	6	47
103	Redox regulation of cellular stress response in multiple sclerosis. *Biochemical Pharmacology*, **2011**, 82, 1490-9	6	43
102	HSF1-dependent upregulation of Hsp70 by sulfhydryl-reactive inducers of the KEAP1/NRF2/ARE pathway. *Chemistry and Biology*, **2011**, 18, 1355-61		78
101	Enhanced laccase production in white-rot fungus Rigidoporus lignosus by the addition of selected phenolic and aromatic compounds. *Applied Biochemistry and Biotechnology*, **2011**, 163, 415-22	3.2	29
100	Experimental research on nitric oxide and the therapy of Alzheimer disease: a challenging bridge. *CNS and Neurological Disorders - Drug Targets*, **2011**, 10, 766-76	2.6	13
99	Dose response biology: the case of resveratrol. *Human and Experimental Toxicology*, **2010**, 29, 1034-7	3.4	38

98	The hormetic role of dietary antioxidants in free radical-related diseases. *Current Pharmaceutical Design*, **2010**, 16, 877-83	3.3	117
97	Resveratrol commonly displays hormesis: occurrence and biomedical significance. *Human and Experimental Toxicology*, **2010**, 29, 980-1015	3.4	163
96	Redox homeostasis and cellular stress response in aging and neurodegeneration. *Methods in Molecular Biology*, **2010**, 610, 285-308	1.4	112
95	The effects of Italian Mediterranean organic diet (IMOD) on health status. *Current Pharmaceutical Design*, **2010**, 16, 814-24	3.3	84
94	Cellular stress responses, the hormesis paradigm, and vitagenes: novel targets for therapeutic intervention in neurodegenerative disorders. *Antioxidants and Redox Signaling*, **2010**, 13, 1763-811	8.4	434
93	Therapeutic potential of dietary polyphenols against brain ageing and neurodegenerative disorders. *Advances in Experimental Medicine and Biology*, **2010**, 698, 27-35	3.6	28
92	Oxidative damage in rat brain during aging: interplay between energy and metabolic key target proteins. *Neurochemical Research*, **2010**, 35, 2184-92	4.6	33
91	Oxidative stress, redox homeostasis and cellular stress response in M□□□'s disease: role of vitagenes. *Neurochemical Research*, **2010**, 35, 2208-17	4.6	75
90	Cellular stress responses, mitostress and carnitine insufficiencies as critical determinants in aging and neurodegenerative disorders: role of hormesis and vitagenes. *Neurochemical Research*, **2010**, 35, 1880-915	4.6	63
89	Redox proteomics in aging rat brain: involvement of mitochondrial reduced glutathione status and mitochondrial protein oxidation in the aging process. *Journal of Neuroscience Research*, **2010**, 88, 3498-507	4.4	77
88	Vitagenes, dietary antioxidants and neuroprotection in neurodegenerative diseases. *Frontiers in Bioscience - Landmark*, **2009**, 14, 376-97	2.8	111
87	Carnosinase levels in aging brain: redox state induction and cellular stress response. *Antioxidants and Redox Signaling*, **2009**, 11, 2759-75	8.4	48
86	Ferulic acid and its therapeutic potential as a hormetin for age-related diseases. *Biogerontology*, **2009**, 10, 97-108	4.5	211
85	Vitagenes, cellular stress response, and acetylcarnitine: relevance to hormesis. *BioFactors*, **2009**, 35, 146-60	6.2	67
84	Nitric oxide in cell survival: a janus molecule. *Antioxidants and Redox Signaling*, **2009**, 11, 2717-39	8.4	160
83	Heme Oxygenase as a Therapeutic Funnel in Nutritional Redox Homeostasis and Cellular Stress Response **2009**, 39-52		
82	Redox regulation of cellular stress response by ferulic acid ethyl ester in human dermal fibroblasts: role of vitagenes. *Clinics in Dermatology*, **2008**, 26, 358-63	3	75
81	Practical approaches to investigate redox regulation of heat shock protein expression and intracellular glutathione redox state. *Methods in Enzymology*, **2008**, 441, 83-110	1.7	30

80	Body composition and -174G/C interleukin-6 promoter gene polymorphism: association with progression of insulin resistance in normal weight obese syndrome. *Current Pharmaceutical Design*, **2008**, 14, 2699-706	3.3	45
79	Cellular stress response: a novel target for chemoprevention and nutritional neuroprotection in aging, neurodegenerative disorders and longevity. *Neurochemical Research*, **2008**, 33, 2444-71	4.6	223
78	Bilirubin as an endogenous modulator of neurotrophin redox signaling. *Journal of Neuroscience Research*, **2008**, 86, 2235-49	4.4	59
77	Curcumin and the cellular stress response in free radical-related diseases. *Molecular Nutrition and Food Research*, **2008**, 52, 1062-73	5.9	115
76	Nutritional Redox Homeostasis and Cellular Stress Response. *Oxidative Stress and Disease*, **2008**,		1
75	In vivo induction of heat shock proteins in the substantia nigra following L-DOPA administration is associated with increased activity of mitochondrial complex I and nitrosative stress in rats: regulation by glutathione redox state. *Journal of Neurochemistry*, **2007**, 101, 709-17	6	46
74	Highlight Commentary on "Redox proteomics analysis of oxidatively modified proteins in G93A-SOD1 transgenic mice--a model of familial amyotrophic lateral sclerosis". *Free Radical Biology and Medicine*, **2007**, 43, 160-2	7.8	9
73	Redox regulation of cellular stress response in aging and neurodegenerative disorders: role of vitagenes. *Neurochemical Research*, **2007**, 32, 757-73	4.6	181
72	Exercise-mediated alteration of protein redox states in plasma: a possible stimulant for hormetic response. *Sport Sciences for Health*, **2007**, 2, 76-79	1.3	
71	Oxidatively-modified and glycated proteins as candidate pro-inflammatory toxins in uremia and dialysis patients. *Amino Acids*, **2007**, 32, 573-92	3.5	27
70	Nitric Oxide and Cellular Stress Response in Brain Aging and Neurodegenerative Disorders **2007**, 115-134		3
69	Oxidative stress and cellular stress response in diabetic nephropathy. *Cell Stress and Chaperones*, **2007**, 12, 299-306	4	113
68	Cannabinoid receptor agonists are mitochondrial inhibitors: a unified hypothesis of how cannabinoids modulate mitochondrial function and induce cell death. *Biochemical and Biophysical Research Communications*, **2007**, 364, 131-7	3.4	95
67	Nitric oxide in the central nervous system: neuroprotection versus neurotoxicity. *Nature Reviews Neuroscience*, **2007**, 8, 766-75	13.5	948
66	Natural antioxidants in Alzheimer's disease. *Expert Opinion on Investigational Drugs*, **2007**, 16, 1921-31	5.9	113
65	Mitochondrial dysfunction, free radical generation and cellular stress response in neurodegenerative disorders. *Frontiers in Bioscience - Landmark*, **2007**, 12, 1107-23	2.8	236
64	Acetyl-L-carnitine-induced up-regulation of heat shock proteins protects cortical neurons against amyloid-beta peptide 1-42-mediated oxidative stress and neurotoxicity: implications for Alzheimer's disease. *Journal of Neuroscience Research*, **2006**, 84, 398-408	4.4	118
63	In vivo protective effects of ferulic acid ethyl ester against amyloid-beta peptide 1-42-induced oxidative stress. *Journal of Neuroscience Research*, **2006**, 84, 418-26	4.4	102

62	Heme oxygenase and cyclooxygenase in the central nervous system: a functional interplay. *Journal of Neuroscience Research*, **2006**, 84, 1385-91	4.4	53
61	Bilirubin: an endogenous scavenger of nitric oxide and reactive nitrogen species. *Redox Report*, **2006**, 11, 207-13	5.9	71
60	Redox modulation of heat shock protein expression by acetylcarnitine in aging brain: relationship to antioxidant status and mitochondrial function. *Antioxidants and Redox Signaling*, **2006**, 8, 404-16	8.4	50
59	Redox regulation of heat shock protein expression by signaling involving nitric oxide and carbon monoxide: relevance to brain aging, neurodegenerative disorders, and longevity. *Antioxidants and Redox Signaling*, **2006**, 8, 444-77	8.4	102
58	Proteomics analyses of specific protein oxidation and protein expression in aged rat brain and its modulation by L-acetylcarnitine: insights into the mechanisms of action of this proposed therapeutic agent for CNS disorders associated with oxidative stress. *Antioxidants and Redox Signaling*, **2006**, 8, 381-94	8.4	88
57	Nitrosative stress, cellular stress response, and thiol homeostasis in patients with Alzheimer's disease. *Antioxidants and Redox Signaling*, **2006**, 8, 1975-86	8.4	189
56	Friedreich's ataxia: from disease mechanisms to therapeutic interventions. *Antioxidants and Redox Signaling*, **2006**, 8, 438-43	8.4	64
55	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 Fe(2+)/H(2)O(2): insight into mechanisms of neuroprotection and relevance to oxidative stress-related neurodegenerative	4.4	97
54	Proteomics analysis provides insight into caloric restriction mediated oxidation and expression of brain proteins associated with age-related impaired cellular processes: Mitochondrial dysfunction, glutamate dysregulation and impaired protein synthesis. *Neurobiology of Aging*, **2006**, 27, 1020-34	5.6	112
53	In vivo protection by the xanthate tricyclodecan-9-yl-xanthogenate against amyloid beta-peptide (1-42)-induced oxidative stress. *Neuroscience*, **2006**, 138, 1161-70	3.9	50
52	Acetylcarnitine and cellular stress response: roles in nutritional redox homeostasis and regulation of longevity genes. *Journal of Nutritional Biochemistry*, **2006**, 17, 73-88	6.3	100
51	Curcumin activates defensive genes and protects neurons against oxidative stress. *Antioxidants and Redox Signaling*, **2006**, 8, 395-403	8.4	158
50	Redox regulation of cellular stress response in neurodegenerative disorders. *Italian Journal of Biochemistry*, **2006**, 55, 263-82		45
49	Protective effect of carnosine during nitrosative stress in astroglial cell cultures. *Neurochemical Research*, **2005**, 30, 797-807	4.6	54
48	Proteomics analysis of human astrocytes expressing the HIV protein Tat. *Molecular Brain Research*, **2005**, 133, 307-16		41
47	Mitochondrial associated metabolic proteins are selectively oxidized in A30P alpha-synuclein transgenic mice--a model of familial Parkinson's disease. *Neurobiology of Disease*, **2005**, 18, 492-8	7.5	140
46	Oxidative stress, mitochondrial dysfunction and cellular stress response in Friedreich's ataxia. *Journal of the Neurological Sciences*, **2005**, 233, 145-62	3.2	313
45	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, 749-58	6	229

44	Proteomic analysis of 4-hydroxy-2-nonenal-modified proteins in G93A-SOD1 transgenic mice--a model of familial amyotrophic lateral sclerosis. *Free Radical Biology and Medicine*, **2005**, 38, 960-8	7.8	130
43	Redox proteomics analysis of oxidatively modified proteins in G93A-SOD1 transgenic mice--a model of familial amyotrophic lateral sclerosis. *Free Radical Biology and Medicine*, **2005**, 39, 453-62	7.8	115
42	Acetylcarnitine induces heme oxygenase in rat astrocytes and protects against oxidative stress: involvement of the transcription factor Nrf2. *Journal of Neuroscience Research*, **2005**, 79, 509-21	4.4	134
41	Proteomic analysis of protein expression and oxidative modification in r6/2 transgenic mice: a model of Huntington disease. *Molecular and Cellular Proteomics*, **2005**, 4, 1849-61	7.6	139
40	Increased expression of heat shock proteins in rat brain during aging: relationship with mitochondrial function and glutathione redox state. *Mechanisms of Ageing and Development*, **2004**, 125, 325-35	5.6	134
39	Antisense directed at the Abeta region of APP decreases brain oxidative markers in aged senescence accelerated mice. *Brain Research*, **2004**, 1018, 86-96	3.7	112
38	Effects of apolipoprotein E on the human immunodeficiency virus protein Tat in neuronal cultures and synaptosomes. *Journal of Neuroscience Research*, **2004**, 77, 532-9	4.4	38
37	Ethyl ferulate, a lipophilic polyphenol, induces HO-1 and protects rat neurons against oxidative stress. *Antioxidants and Redox Signaling*, **2004**, 6, 811-8	8.4	138
36	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, 478-93	6.4	157
35	Redox regulation in neurodegeneration and longevity: role of the heme oxygenase and HSP70 systems in brain stress tolerance. *Antioxidants and Redox Signaling*, **2004**, 6, 895-913	8.4	83
34	Increased formation of short-chain organic acids after chronic ethanol administration and its interaction with the carnitine pool in rat. *Archives of Biochemistry and Biophysics*, **2004**, 431, 271-8	4.1	12
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