

# Vittorio Calabrese

## List of Publications by Citations

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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	Nitric oxide in the central nervous system: neuroprotection versus neurotoxicity. <i>Nature Reviews Neuroscience</i> , <b>2007</b> , 8, 766-75	13.5	948
204	Cellular stress responses, the hormesis paradigm, and vitagenes: novel targets for therapeutic intervention in neurodegenerative disorders. <i>Antioxidants and Redox Signaling</i> , <b>2010</b> , 13, 1763-811	8.4	434
203	Oxidative stress, mitochondrial dysfunction and cellular stress response in Friedreich's ataxia. <i>Journal of the Neurological Sciences</i> , <b>2005</b> , 233, 145-62	3.2	313
202	Nutritional approaches to combat oxidative stress in Alzheimer's disease. <i>Journal of Nutritional Biochemistry</i> , <b>2002</b> , 13, 444	6.3	293
201	Cellular stress responses, hormetic phytochemicals and vitagenes in aging and longevity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2012</b> , 1822, 753-83	6.9	286
200	Caffeic acid phenethyl ester and curcumin: a novel class of heme oxygenase-1 inducers. <i>Molecular Pharmacology</i> , <b>2002</b> , 61, 554-61	4.3	269
199	Mitochondrial dysfunction, free radical generation and cellular stress response in neurodegenerative disorders. <i>Frontiers in Bioscience - Landmark</i> , <b>2007</b> , 12, 1107-23	2.8	236
198	Ferulic acid ethyl ester protects neurons against amyloid beta-peptide(1-42)-induced oxidative stress and neurotoxicity: relationship to antioxidant activity. <i>Journal of Neurochemistry</i> , <b>2005</b> , 92, 749-58 <sup>6</sup>		229
197	NO synthase and NO-dependent signal pathways in brain aging and neurodegenerative disorders: the role of oxidant/antioxidant balance. <i>Neurochemical Research</i> , <b>2000</b> , 25, 1315-41	4.6	228
196	Cellular stress response: a novel target for chemoprevention and nutritional neuroprotection in aging, neurodegenerative disorders and longevity. <i>Neurochemical Research</i> , <b>2008</b> , 33, 2444-71	4.6	223
195	Free radicals and brain aging. <i>Clinics in Geriatric Medicine</i> , <b>2004</b> , 20, 329-59	3.8	220
194	Endothelial heme oxygenase-1 induction by hypoxia. Modulation by inducible nitric-oxide synthase and S-nitrosothiols. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 13613-20	5.4	214
193	Ferulic acid and its therapeutic potential as a hormetin for age-related diseases. <i>Biogerontology</i> , <b>2009</b> , 10, 97-108	4.5	211
192	Traumatic brain injury: oxidative stress and neuroprotection. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 836-53	8.4	210
191	Mitochondrial involvement in brain function and dysfunction: relevance to aging, neurodegenerative disorders and longevity. <i>Neurochemical Research</i> , <b>2001</b> , 26, 739-64	4.6	209
190	Nitrosative stress, cellular stress response, and thiol homeostasis in patients with Alzheimer's disease. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 1975-86	8.4	189
189	Redox regulation of cellular stress response in aging and neurodegenerative disorders: role of vitagenes. <i>Neurochemical Research</i> , <b>2007</b> , 32, 757-73	4.6	181

188	Aging and Parkinson's Disease: Inflammaging, neuroinflammation and biological remodeling as key factors in pathogenesis. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 115, 80-91	7.8	173
187	Healthy Effects of Plant Polyphenols: Molecular Mechanisms. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	167
186	Hormesis, cellular stress response and vitagenes as critical determinants in aging and longevity. <i>Molecular Aspects of Medicine</i> , <b>2011</b> , 32, 279-304	16.7	163
185	Resveratrol commonly displays hormesis: occurrence and biomedical significance. <i>Human and Experimental Toxicology</i> , <b>2010</b> , 29, 980-1015	3.4	163
184	Nitric oxide in cell survival: a janus molecule. <i>Antioxidants and Redox Signaling</i> , <b>2009</b> , 11, 2717-39	8.4	160
183	Curcumin activates defensive genes and protects neurons against oxidative stress. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 395-403	8.4	158
182	Free radicals: key to brain aging and heme oxygenase as a cellular response to oxidative stress. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2004</b> , 59, 478-93	6.4	157
181	Redox regulation of heat shock protein expression in aging and neurodegenerative disorders associated with oxidative stress: a nutritional approach. <i>Amino Acids</i> , <b>2003</b> , 25, 437-44	3.5	146
180	Mitochondrial associated metabolic proteins are selectively oxidized in A30P alpha-synuclein transgenic mice--a model of familial Parkinson's disease. <i>Neurobiology of Disease</i> , <b>2005</b> , 18, 492-8	7.5	140
179	Proteomic analysis of protein expression and oxidative modification in r6/2 transgenic mice: a model of Huntington disease. <i>Molecular and Cellular Proteomics</i> , <b>2005</b> , 4, 1849-61	7.6	139
178	Ethyl ferulate, a lipophilic polyphenol, induces HO-1 and protects rat neurons against oxidative stress. <i>Antioxidants and Redox Signaling</i> , <b>2004</b> , 6, 811-8	8.4	138
177	Increased expression of heat shock proteins in rat brain during aging: relationship with mitochondrial function and glutathione redox state. <i>Mechanisms of Ageing and Development</i> , <b>2004</b> , 125, 325-35	5.6	134
176	Acetylcarnitine induces heme oxygenase in rat astrocytes and protects against oxidative stress: involvement of the transcription factor Nrf2. <i>Journal of Neuroscience Research</i> , <b>2005</b> , 79, 509-21	4.4	134
175	Gene expression profiles of heme oxygenase isoforms in the rat brain. <i>Brain Research</i> , <b>2002</b> , 954, 51-9	3.7	132
174	Proteomic analysis of 4-hydroxy-2-nonenal-modified proteins in G93A-SOD1 transgenic mice--a model of familial amyotrophic lateral sclerosis. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 38, 960-8	7.8	130
173	Vitamin E and neurodegenerative disorders associated with oxidative stress. <i>Nutritional Neuroscience</i> , <b>2002</b> , 5, 229-39	3.6	124
172	Absence of response to early transcranial magnetic stimulation in ischemic stroke patients: prognostic value for hand motor recovery. <i>Stroke</i> , <b>1999</b> , 30, 2666-70	6.7	123
171	Nitric oxide synthase is present in the cerebrospinal fluid of patients with active multiple sclerosis and is associated with increases in cerebrospinal fluid protein nitrotyrosine and S-nitrosothiols and with changes in glutathione levels. <i>Journal of Neuroscience Research</i> , <b>2002</b> , 70, 580-7	4.4	122

170	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. <i>Journal of Neuroscience Research</i> , <b>2006</b> , 84, 398-408	4.4	118
169	The hormetic role of dietary antioxidants in free radical-related diseases. <i>Current Pharmaceutical Design</i> , <b>2010</b> , 16, 877-83	3.3	117
168	Curcumin and the cellular stress response in free radical-related diseases. <i>Molecular Nutrition and Food Research</i> , <b>2008</b> , 52, 1062-73	5.9	115
167	Redox proteomics analysis of oxidatively modified proteins in G93A-SOD1 transgenic mice--a model of familial amyotrophic lateral sclerosis. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 39, 453-62	7.8	115
166	Oxidative stress and cellular stress response in diabetic nephropathy. <i>Cell Stress and Chaperones</i> , <b>2007</b> , 12, 299-306	4	113
165	Natural antioxidants in Alzheimer's disease. <i>Expert Opinion on Investigational Drugs</i> , <b>2007</b> , 16, 1921-31	5.9	113
164	Redox homeostasis and cellular stress response in aging and neurodegeneration. <i>Methods in Molecular Biology</i> , <b>2010</b> , 610, 285-308	1.4	112
163	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. <i>Neurobiology of Aging</i> , <b>2006</b> , 27, 1020-34	5.6	112
162	Antisense directed at the Abeta region of APP decreases brain oxidative markers in aged senescence accelerated mice. <i>Brain Research</i> , <b>2004</b> , 1018, 86-96	3.7	112
161	Vitagenes, dietary antioxidants and neuroprotection in neurodegenerative diseases. <i>Frontiers in Bioscience - Landmark</i> , <b>2009</b> , 14, 376-97	2.8	111
160	Oxidative stress, glutathione status, sirtuin and cellular stress response in type 2 diabetes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2012</b> , 1822, 729-36	6.9	110
159	Nitric oxide and cellular stress response in brain aging and neurodegenerative disorders: the role of vitagenes. <i>In Vivo</i> , <b>2004</b> , 18, 245-67	2.3	104
158	In vivo protective effects of ferulic acid ethyl ester against amyloid-beta peptide 1-42-induced oxidative stress. <i>Journal of Neuroscience Research</i> , <b>2006</b> , 84, 418-26	4.4	102
157	Redox regulation of heat shock protein expression by signaling involving nitric oxide and carbon monoxide: relevance to brain aging, neurodegenerative disorders, and longevity. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 444-77	8.4	102
156	Acetylcarnitine and cellular stress response: roles in nutritional redox homeostasis and regulation of longevity genes. <i>Journal of Nutritional Biochemistry</i> , <b>2006</b> , 17, 73-88	6.3	100
155	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 disorders. <i>Neurochemistry International</i> , <b>2006</b> , 48, 318-27	4.4	97
154	Neuroprotective features of carnosine in oxidative driven diseases. <i>Molecular Aspects of Medicine</i> , <b>2011</b> , 32, 258-66	16.7	96
153	Cannabinoid receptor agonists are mitochondrial inhibitors: a unified hypothesis of how cannabinoids modulate mitochondrial function and induce cell death. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 364, 131-7	3.4	95

152	What is hormesis and its relevance to healthy aging and longevity?. <i>Biogerontology</i> , <b>2015</b> , 16, 693-707	4.5	93
151	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. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 23, 201-214	8.4	88
150	Neuroinflammation and neurohormesis in the pathogenesis of Alzheimer's disease and Alzheimer-linked pathologies: modulation by nutritional mushrooms. <i>Immunity and Ageing</i> , <b>2018</b> , 15, 8	9.7	86
149	Hormesis: its impact on medicine and health. <i>Human and Experimental Toxicology</i> , <b>2013</b> , 32, 120-52	3.4	85
148	The effects of Italian Mediterranean organic diet (IMOD) on health status. <i>Current Pharmaceutical Design</i> , <b>2010</b> , 16, 814-24	3.3	84
147	Redox regulation in neurodegeneration and longevity: role of the heme oxygenase and HSP70 systems in brain stress tolerance. <i>Antioxidants and Redox Signaling</i> , <b>2004</b> , 6, 895-913	8.4	83
146	Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. <i>Ageing Research Reviews</i> , <b>2018</b> , 42, 40-55	12	83
145	Inflammasomes, hormesis, and antioxidants in neuroinflammation: Role of NRLP3 in Alzheimer disease. <i>Journal of Neuroscience Research</i> , <b>2017</b> , 95, 1360-1372	4.4	82
144	Stress proteins and SH-groups in oxidant-induced cellular injury after chronic ethanol administration in rat. <i>Free Radical Biology and Medicine</i> , <b>1998</b> , 24, 1159-67	7.8	81
143	Regional distribution of heme oxygenase, HSP70, and glutathione in brain: relevance for endogenous oxidant/antioxidant balance and stress tolerance. <i>Journal of Neuroscience Research</i> , <b>2002</b> , 68, 65-75	4.4	81
142	Stress responses, vitagenes and hormesis as critical determinants in aging and longevity: Mitochondria as a "chi". <i>Immunity and Ageing</i> , <b>2013</b> , 10, 15	9.7	79
141	Heat shock proteins and hormesis in the diagnosis and treatment of neurodegenerative diseases. <i>Immunity and Ageing</i> , <b>2015</b> , 12, 20	9.7	79
140	HSF1-dependent upregulation of Hsp70 by sulfhydryl-reactive inducers of the KEAP1/NRF2/ARE pathway. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 1355-61		78
139	HSP70 induction in the brain following ethanol administration in the rat: regulation by glutathione redox state. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 269, 397-400	3.4	78
138	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> , <b>2010</b> , 88, 3498-507	4.4	77
137	Hormesis: why it is important to biogerontologists. <i>Biogerontology</i> , <b>2012</b> , 13, 215-35	4.5	76
136	Nitric oxide synthase induction in astroglial cell cultures: effect on heat shock protein 70 synthesis and oxidant/antioxidant balance. <i>Journal of Neuroscience Research</i> , <b>2000</b> , 60, 613-22	4.4	76
135	Oxidative stress, redox homeostasis and cellular stress response in Mβiñe's disease: role of vitagenes. <i>Neurochemical Research</i> , <b>2010</b> , 35, 2208-17	4.6	75

134	Redox regulation of cellular stress response by ferulic acid ethyl ester in human dermal fibroblasts: role of vitagenes. <i>Clinics in Dermatology</i> , <b>2008</b> , 26, 358-63	3	75
133	Bilirubin: an endogenous scavenger of nitric oxide and reactive nitrogen species. <i>Redox Report</i> , <b>2006</b> , 11, 207-13	5.9	71
132	Stress proteins and SH-groups in oxidant-induced cell damage after acute ethanol administration in rat. <i>Free Radical Biology and Medicine</i> , <b>1996</b> , 20, 391-7	7.8	71
131	Elevation of mitochondrial glutathione by gamma-glutamylcysteine ethyl ester protects mitochondria against peroxynitrite-induced oxidative stress. <i>Journal of Neuroscience Research</i> , <b>2003</b> , 74, 917-27	4.4	69
130	Healthspan Maintenance and Prevention of Parkinson's-like Phenotypes with Hydroxytyrosol and Oleuropein Aglycone in. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	67
129	Vitagenes, cellular stress response, and acetylcarnitine: relevance to hormesis. <i>BioFactors</i> , <b>2009</b> , 35, 146-60	6.7	67
128	Friedreich's ataxia: from disease mechanisms to therapeutic interventions. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 438-43	8.4	64
127	Cellular stress responses, mitostress and carnitine insufficiencies as critical determinants in aging and neurodegenerative disorders: role of hormesis and vitagenes. <i>Neurochemical Research</i> , <b>2010</b> , 35, 1880-915	4.6	63
126	Disruption of thiol homeostasis and nitrosative stress in the cerebrospinal fluid of patients with active multiple sclerosis: evidence for a protective role of acetylcarnitine. <i>Neurochemical Research</i> , <b>2003</b> , 28, 1321-8	4.6	63
125	Major pathogenic mechanisms in vascular dementia: Roles of cellular stress response and hormesis in neuroprotection. <i>Journal of Neuroscience Research</i> , <b>2016</b> , 94, 1588-1603	4.4	62
124	Nuclear DNA strand breaks during ethanol-induced oxidative stress in rat brain. <i>FEBS Letters</i> , <b>1996</b> , 390, 153-6	3.8	61
123	Nutritional antioxidants and the heme oxygenase pathway of stress tolerance: novel targets for neuroprotection in Alzheimer's disease. <i>Italian Journal of Biochemistry</i> , <b>2003</b> , 52, 177-81		61
122	Hormetic approaches to the treatment of Parkinson's disease: Perspectives and possibilities. <i>Journal of Neuroscience Research</i> , <b>2018</b> , 96, 1641-1662	4.4	60
121	Anti-inflammatory and Anti-oxidant Activity of Hidrox in Rotenone-Induced Parkinson's Disease in Mice. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	60
120	Bilirubin as an endogenous modulator of neurotrophin redox signaling. <i>Journal of Neuroscience Research</i> , <b>2008</b> , 86, 2235-49	4.4	59
119	Healthspan Enhancement by Olive Polyphenols in Wild Type and Parkinson's Models. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	56
118	Curcumin, Hormesis and the Nervous System. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	55
117	Hormesis as a mechanistic approach to understanding herbal treatments in traditional Chinese medicine. <i>Pharmacology &amp; Therapeutics</i> , <b>2018</b> , 184, 42-50	13.9	55

116	Protective effect of carnosine during nitrosative stress in astroglial cell cultures. <i>Neurochemical Research</i> , <b>2005</b> , 30, 797-807	4.6	54
115	Heme oxygenase and cyclooxygenase in the central nervous system: a functional interplay. <i>Journal of Neuroscience Research</i> , <b>2006</b> , 84, 1385-91	4.4	53
114	Redox modulation of cellular stress response and lipoxin A4 expression by <i>Coriolus versicolor</i> in rat brain: Relevance to Alzheimer's disease pathogenesis. <i>NeuroToxicology</i> , <b>2016</b> , 53, 350-358	4.4	50
113	Redox modulation of heat shock protein expression by acetylcarnitine in aging brain: relationship to antioxidant status and mitochondrial function. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 404-16	8.4	50
112	In vivo protection by the xanthate tricyclodecan-9-yl-xanthogenate against amyloid beta-peptide (1-42)-induced oxidative stress. <i>Neuroscience</i> , <b>2006</b> , 138, 1161-70	3.9	50
111	Carnosinase levels in aging brain: redox state induction and cellular stress response. <i>Antioxidants and Redox Signaling</i> , <b>2009</b> , 11, 2759-75	8.4	48
110	Ferulic Acid Regulates the Nrf2/Heme Oxygenase-1 System and Counteracts Trimethyltin-Induced Neuronal Damage in the Human Neuroblastoma Cell Line SH-SY5Y. <i>Frontiers in Pharmacology</i> , <b>2015</b> , 6, 305	5.6	48
109	Administration of carnosine in the treatment of acute spinal cord injury. <i>Biochemical Pharmacology</i> , <b>2011</b> , 82, 1478-89	6	47
108	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. <i>Journal of Neurochemistry</i> , <b>2007</b> , 101, 709-17	6	46
107	Molecular chaperones and their roles in neural cell differentiation. <i>Developmental Neuroscience</i> , <b>2002</b> , 24, 1-13	2.2	46
106	Sex hormonal regulation and hormesis in aging and longevity: role of vitagenes. <i>Journal of Cell Communication and Signaling</i> , <b>2014</b> , 8, 369-84	5.2	45
105	Body composition and -174G/C interleukin-6 promoter gene polymorphism: association with progression of insulin resistance in normal weight obese syndrome. <i>Current Pharmaceutical Design</i> , <b>2008</b> , 14, 2699-706	3.3	45
104	Redox regulation of cellular stress response in neurodegenerative disorders. <i>Italian Journal of Biochemistry</i> , <b>2006</b> , 55, 263-82		45
103	HORMESIS: A Fundamental Concept with Widespread Biological and Biomedical Applications. <i>Gerontology</i> , <b>2016</b> , 62, 530-5	5.5	44
102	Osteoporosis and alzheimer pathology: Role of cellular stress response and hormetic redox signaling in aging and bone remodeling. <i>Frontiers in Pharmacology</i> , <b>2014</b> , 5, 120	5.6	43
101	Cellular stress response, sirtuins and UCP proteins in Alzheimer disease: role of vitagenes. <i>Immunity and Ageing</i> , <b>2013</b> , 10, 41	9.7	43
100	Redox regulation of cellular stress response in multiple sclerosis. <i>Biochemical Pharmacology</i> , <b>2011</b> , 82, 1490-9	6	43
99	Regional rat brain distribution of heme oxygenase-1 and manganese superoxide dismutase mRNA: relevance of redox homeostasis in the aging processes. <i>Experimental Biology and Medicine</i> , <b>2003</b> , 228, 517-24	3.7	43

98	Cellular stress response, redox status, and vitagenes in glaucoma: a systemic oxidant disorder linked to Alzheimer's disease. <i>Frontiers in Pharmacology</i> , <b>2014</b> , 5, 129	5.6	41
97	Proteomics analysis of human astrocytes expressing the HIV protein Tat. <i>Molecular Brain Research</i> , <b>2005</b> , 133, 307-16		41
96	Redox modulation of cellular stress response and lipoxin A4 expression by Hericium Erinaceus in rat brain: relevance to Alzheimer's disease pathogenesis. <i>Immunity and Ageing</i> , <b>2016</b> , 13, 23	9.7	41
95	Protective Actions of Anserine Under Diabetic Conditions. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	40
94	GABA-containing compound gammapyrone protects against brain impairments in Alzheimer's disease model male rats and prevents mitochondrial dysfunction in cell culture. <i>Journal of Neuroscience Research</i> , <b>2019</b> , 97, 708-726	4.4	39
93	Dose response biology: the case of resveratrol. <i>Human and Experimental Toxicology</i> , <b>2010</b> , 29, 1034-7	3.4	38
92	Effects of apolipoprotein E on the human immunodeficiency virus protein Tat in neuronal cultures and synaptosomes. <i>Journal of Neuroscience Research</i> , <b>2004</b> , 77, 532-9	4.4	38
91	Hormesis and Ginkgo biloba (GB): Numerous biological effects of GB are mediated via hormesis. <i>Ageing Research Reviews</i> , <b>2020</b> , 64, 101019	12	37
90	Reduction of arthritic symptoms by low dose radiation therapy (LD-RT) is associated with an anti-inflammatory phenotype. <i>International Journal of Radiation Biology</i> , <b>2013</b> , 89, 278-86	2.9	35
89	-174G/C IL-6 gene promoter polymorphism predicts therapeutic response to TNF- $\beta$ blockers. <i>Pharmacogenetics and Genomics</i> , <b>2012</b> , 22, 134-42	1.9	33
88	Oxidative damage in rat brain during aging: interplay between energy and metabolic key target proteins. <i>Neurochemical Research</i> , <b>2010</b> , 35, 2184-92	4.6	33
87	Hormesis, cellular stress response and neuroinflammation in schizophrenia: Early onset versus late onset state. <i>Journal of Neuroscience Research</i> , <b>2017</b> , 95, 1182-1193	4.4	30
86	Hormesis, cellular stress response, and redox homeostasis in autism spectrum disorders. <i>Journal of Neuroscience Research</i> , <b>2016</b> , 94, 1488-1498	4.4	30
85	Low dose radiation therapy (LD-RT) is effective in the treatment of arthritis: animal model findings. <i>International Journal of Radiation Biology</i> , <b>2013</b> , 89, 287-94	2.9	30
84	Practical approaches to investigate redox regulation of heat shock protein expression and intracellular glutathione redox state. <i>Methods in Enzymology</i> , <b>2008</b> , 441, 83-110	1.7	30
83	Ethyl Ferulate, a Lipophilic Polyphenol, Induces HO-1 and Protects Rat Neurons Against Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , <b>2004</b> , 6, 811-818	8.4	30
82	Nutritional Mushroom Treatment in Meniere's Disease with : A Rationale for Therapeutic Intervention in Neuroinflammation and Antineurodegeneration. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 21,	6.3	29
81	Enhanced laccase production in white-rot fungus <i>Rigidoporus lignosus</i> by the addition of selected phenolic and aromatic compounds. <i>Applied Biochemistry and Biotechnology</i> , <b>2011</b> , 163, 415-22	3.2	29



80	Nutrition and the ageing brain: Moving towards clinical applications. <i>Ageing Research Reviews</i> , <b>2020</b> , 62, 101079	12	29
79	Oxidative damage and amyloid- $\beta$ metabolism in brain regions of the longest-lived rodents. <i>Journal of Neuroscience Research</i> , <b>2014</b> , 92, 195-205	4.4	28
78	Therapeutic potential of dietary polyphenols against brain ageing and neurodegenerative disorders. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 698, 27-35	3.6	28
77	Analytical approaches to the diagnosis and treatment of aging and aging-related disease: redox status and proteomics. <i>Free Radical Research</i> , <b>2015</b> , 49, 511-24	4	27
76	Epigenetic nutraceutical diets in Alzheimer's disease. <i>Journal of Nutrition, Health and Aging</i> , <b>2014</b> , 18, 800-5	5.2	27
75	Oxidatively-modified and glycated proteins as candidate pro-inflammatory toxins in uremia and dialysis patients. <i>Amino Acids</i> , <b>2007</b> , 32, 573-92	3.5	27
74	Dose response biology of resveratrol in obesity. <i>Journal of Cell Communication and Signaling</i> , <b>2014</b> , 8, 385-91	5.2	26
73	Effect of nitric oxide synthase induction on the expression of mitochondrial respiratory chain enzyme subunits in mixed cortical and astroglial cell cultures. <i>Biochimie</i> , <b>1998</b> , 80, 871-81	4.6	25
72	Formation of propionate after short-term ethanol treatment and its interaction with the carnitine pool in rat. <i>Alcohol</i> , <b>1999</b> , 19, 169-76	2.7	25
71	The role of hormesis in the functional performance and protection of neural systems. <i>Brain Circulation</i> , <b>2017</b> , 3, 1-13	2.7	25
70	Altered expression pattern of Nrf2/HO-1 axis during accelerated-senescence in HIV-1 transgenic rat. <i>Biogerontology</i> , <b>2014</b> , 15, 449-61	4.5	24
69	Upregulation of neuronal nitric oxide synthase in in vitro stellate astrocytes and in vivo reactive astrocytes after electrically induced status epilepticus. <i>Neurochemical Research</i> , <b>2003</b> , 28, 607-15	4.6	24
68	Resveratrol protects against homocysteine-induced cell damage via cell stress response in neuroblastoma cells. <i>Journal of Neuroscience Research</i> , <b>2015</b> , 93, 149-56	4.4	22
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