

# Kelvin J A Davies

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

202  
papers

25,567  
citations

83  
h-index

159  
g-index

221  
ext. papers

27,676  
ext. citations

6  
avg, IF

7.41  
L-index

#	Paper	IF	Citations
202	Lactoferrin for Mental Health: Neuro-Redox Regulation and Neuroprotective Effects across the Blood-Brain Barrier with Special Reference to Neuro-COVID-19. <i>Journal of Dietary Supplements</i> , <b>2021</b> , 1-35	2.3	0
201	Sarcopenia - Molecular mechanisms and open questions. <i>Ageing Research Reviews</i> , <b>2021</b> , 65, 101200	12	33
200	Sex differences in the response to oxidative and proteolytic stress. <i>Redox Biology</i> , <b>2020</b> , 31, 101488	11.3	25
199	Down regulation of glutathione and glutamate cysteine ligase in the inflammatory response of macrophages. <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 158, 53-59	7.8	1
198	COVID-19 during Pregnancy and Postpartum. <i>Journal of Dietary Supplements</i> , <b>2020</b> , 1-28	2.3	8
197	COVID-19 during Pregnancy and Postpartum. <i>Journal of Dietary Supplements</i> , <b>2020</b> , 1-37	2.3	8
196	The proteasome beta 5 subunit is essential for sexually divergent adaptive homeostatic responses to oxidative stress in <i>D. melanogaster</i> . <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 160, 67-77	7.8	0
195	Silencing Bach1 alters aging-related changes in the expression of Nrf2-regulated genes in primary human bronchial epithelial cells. <i>Archives of Biochemistry and Biophysics</i> , <b>2019</b> , 672, 108074	4.1	8
194	Does Bach1 & c-Myc dependent redox dysregulation of Nrf2 & adaptive homeostasis decrease cancer risk in ageing?. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 134, 708-714	7.8	7
193	Limitations to adaptive homeostasis in an hyperoxia-induced model of accelerated ageing. <i>Redox Biology</i> , <b>2019</b> , 24, 101194	11.3	9
192	To adapt or not to adapt: Consequences of declining Adaptive Homeostasis and Proteostasis with age. <i>Mechanisms of Ageing and Development</i> , <b>2019</b> , 177, 80-87	5.6	15
191	Measuring redox effects on the activities of intracellular proteases such as the 20S Proteasome and the Immuno-Proteasome with fluorogenic peptides. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 143, 16-24	7.8	2
190	Sex-specific stress tolerance, proteolysis, and lifespan in the invertebrate <i>Tigriopus californicus</i> . <i>Experimental Gerontology</i> , <b>2019</b> , 119, 146-156	4.5	24
189	Aging attenuates redox adaptive homeostasis and proteostasis in female mice exposed to traffic-derived nanoparticles (vehicular smog). <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 121, 86-97	7.8	29
188	Sex-specific adaptive homeostasis in depends on increased proteolysis by the 20S Proteasome: Data-in-Brief. <i>Data in Brief</i> , <b>2018</b> , 17, 653-661	1.2	5
187	Aging-related decline in the induction of Nrf2-regulated antioxidant genes in human bronchial epithelial cells. <i>Redox Biology</i> , <b>2018</b> , 14, 35-40	11.3	92
186	Cardiovascular Adaptive Homeostasis in Exercise. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 369	4.6	10

185	The role of oxidative stress in anxiety disorder: cause or consequence?. <i>Free Radical Research</i> , <b>2018</b> , 52, 737-750	4	52
184	Redox Regulation of Homeostasis and Proteostasis in Peroxisomes. <i>Physiological Reviews</i> , <b>2018</b> , 98, 89-145	17.9	49
183	Sexual Dimorphism and Aging Differentially Regulate Adaptive Homeostasis. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2018</b> , 73, 141-149	6.4	25
182	Adaptive homeostasis and the free radical theory of ageing. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 124, 420-430	7.8	84
181	Aging and SKN-1-dependent Loss of 20S Proteasome Adaptation to Oxidative Stress in <i>C. elegans</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2017</b> , 72, 143-151	6.4	27
180	The peroxisomal Lon protease LonP2 in aging and disease: functions and comparisons with mitochondrial Lon protease LonP1. <i>Biological Reviews</i> , <b>2017</b> , 92, 739-753	13.5	27
179	Formation and repair of oxidatively generated damage in cellular DNA. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 107, 13-34	7.8	171
178	SIRT1 may play a crucial role in overload-induced hypertrophy of skeletal muscle. <i>Journal of Physiology</i> , <b>2017</b> , 595, 3361-3376	3.9	21
177	The Mitochondrial Lon Protease Is Required for Age-Specific and Sex-Specific Adaptation to Oxidative Stress. <i>Current Biology</i> , <b>2017</b> , 27, 1-15	6.3	290
176	Oxidative DNA damage & repair: An introduction. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 107, 2-12	7.8	153
175	Diminished stress resistance and defective adaptive homeostasis in age-related diseases. <i>Clinical Science</i> , <b>2017</b> , 131, 2573-2599	6.5	24
174	The role of declining adaptive homeostasis in ageing. <i>Journal of Physiology</i> , <b>2017</b> , 595, 7275-7309	3.9	85
173	The age- and sex-specific decline of the 20s proteasome and the Nrf2/CncC signal transduction pathway in adaption and resistance to oxidative stress in. <i>Aging</i> , <b>2017</b> , 9, 1153-1185	5.6	37
172	Sexual dimorphism in oxidant-induced adaptive homeostasis in multiple wild-type <i>D. melanogaster</i> strains. <i>Archives of Biochemistry and Biophysics</i> , <b>2017</b> , 636, 57-70	4.1	9
171	The Oxygen Paradox, the French Paradox, and age-related diseases. <i>GeroScience</i> , <b>2017</b> , 39, 499-550	8.9	48
170	Translational Perspective on the Role of Testosterone in Sexual Function and Dysfunction. <i>Journal of Sexual Medicine</i> , <b>2016</b> , 13, 1183-98	1.1	34
169	The Proteasome and Oxidative Stress in Alzheimer's Disease. <i>Antioxidants and Redox Signaling</i> , <b>2016</b> , 25, 886-901	8.4	54
168	Commentary on "Bach1 differentially regulates distinct Nrf2-dependent genes in human venous and coronary artery endothelial cells adapted to physiological oxygen levels" by Chapple et al. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 92, 163-164	7.8	1

167	Transit of H <sub>2</sub> O <sub>2</sub> across the endoplasmic reticulum membrane is not sluggish. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 94, 157-60	7.8	43
166	Mitochondrial Lon protease in human disease and aging: Including an etiologic classification of Lon-related diseases and disorders. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 100, 188-198	7.8	85
165	The Oxygen Paradox, oxidative stress, and ageing. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 595, 28-32	4.1	31
164	Adaptive homeostasis. <i>Molecular Aspects of Medicine</i> , <b>2016</b> , 49, 1-7	16.7	151
163	What is the concentration of hydrogen peroxide in blood and plasma?. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 603, 48-53	4.1	150
162	Degradation of oxidized proteins by the proteasome: Distinguishing between the 20S, 26S, and immunoproteasome proteolytic pathways. <i>Molecular Aspects of Medicine</i> , <b>2016</b> , 50, 41-55	16.7	124
161	The molecular chaperone Hsp70 promotes the proteolytic removal of oxidatively damaged proteins by the proteasome. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 99, 153-166	7.8	74
160	The calcineurin antagonist RCAN1-4 is induced by exhaustive exercise in rat skeletal muscle. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 87, 290-9	7.8	8
159	Even free radicals should follow some rules: a guide to free radical research terminology and methodology. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 78, 233-5	7.8	191
158	Mitochondrial biogenesis-associated factors underlie the magnitude of response to aerobic endurance training in rats. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2015</b> , 467, 779-88	4.6	33
157	Oxidative stress response and Nrf2 signaling in aging. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 88, 314-336	7.8	440
156	TGF $\beta$ rapidly activates Src through a non-canonical redox signaling mechanism. <i>Archives of Biochemistry and Biophysics</i> , <b>2015</b> , 568, 1-7	4.1	26
155	The Immunoproteasome in oxidative stress, aging, and disease. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , <b>2015</b> , 51, 268-81	8.7	54
154	How do nutritional antioxidants really work: nucleophilic tone and para-hormesis versus free radical scavenging in vivo. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 66, 24-35	7.8	426
153	What Goes Wrong with Lon in Ageing?. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 75 Suppl 1, S6	7.8	1
152	Acute Electrical Pulse Stimulation and Hyperglycemia Regulates RCAN1-4 in C2C12 myotubes through Oxidative Stress. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 75 Suppl 1, S29	7.8	1
151	Resveratrol attenuates exercise-induced adaptive responses in rats selectively bred for low running performance. <i>Dose-Response</i> , <b>2014</b> , 12, 57-71	2.3	21
150	Resveratrol enhances exercise training responses in rats selectively bred for high running performance. <i>Food and Chemical Toxicology</i> , <b>2013</b> , 61, 53-9	4.7	65

149	Upregulation of the mitochondrial Lon Protease allows adaptation to acute oxidative stress but dysregulation is associated with chronic stress, disease, and aging. <i>Redox Biology</i> , <b>2013</b> , 1, 258-64	11.3	106
148	Oxidative stress adaptation with acute, chronic, and repeated stress. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 55, 109-18	7.8	73
147	Chronic high levels of the RCAN1-1 protein may promote neurodegeneration and Alzheimer disease. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 62, 47-51	7.8	20
146	Competition of nuclear factor-erythroid 2 factors related transcription factor isoforms, Nrf1 and Nrf2, in antioxidant enzyme induction. <i>Redox Biology</i> , <b>2013</b> , 1, 183-9	11.3	23
145	A conserved role for the 20S proteasome and Nrf2 transcription factor in oxidative stress adaptation in mammals, <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , <b>2013</b> , 216, 543-53	3	79
144	Nrf2-dependent induction of proteasome and Pa28 $\beta$ regulator are required for adaptation to oxidative stress. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 10021-10031	5.4	212
143	Differential roles of proteasome and immunoproteasome regulators Pa28 $\alpha$ , Pa28 $\beta$ and Pa200 in the degradation of oxidized proteins. <i>Archives of Biochemistry and Biophysics</i> , <b>2012</b> , 523, 181-90	4.1	102
142	Degradation of damaged proteins: the main function of the 20S proteasome. <i>Progress in Molecular Biology and Translational Science</i> , <b>2012</b> , 109, 227-48	4	115
141	Age-associated declines in mitochondrial biogenesis and protein quality control factors are minimized by exercise training. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2012</b> , 303, R127-34	3.2	100
140	A simple fluorescence labeling method for studies of protein oxidation, protein modification, and proteolysis. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 239-46	7.8	13
139	Measuring reactive oxygen and nitrogen species with fluorescent probes: challenges and limitations. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 1-6	7.8	1180
138	Cigarette smoke extract stimulates epithelial-mesenchymal transition through Src activation. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 1437-42	7.8	54
137	Nrf2-regulated phase II enzymes are induced by chronic ambient nanoparticle exposure in young mice with age-related impairments. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 2038-46	7.8	117
136	Chronic expression of RCAN1-1L protein induces mitochondrial autophagy and metabolic shift from oxidative phosphorylation to glycolysis in neuronal cells. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 14088-98	5.4	54
135	Amyloid- $\beta$ toxicity and tau hyperphosphorylation are linked via RCAN1 in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2011</b> , 27, 701-9	4.3	86
134	HSP70 mediates dissociation and reassociation of the 26S proteasome during adaptation to oxidative stress. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 51, 1355-64	7.8	158
133	Impairment of lon-induced protection against the accumulation of oxidized proteins in senescent wi-38 fibroblasts. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2011</b> , 66, 1178-85	6.4	43
132	Do RCAN1 proteins link chronic stress with neurodegeneration?. <i>FASEB Journal</i> , <b>2011</b> , 25, 3306-11	0.9	36

131	RasGrf1 and aging. <i>Aging</i> , <b>2011</b> , 3, 455	5.6	2
130	The immunoproteasome, the 20S proteasome and the PA28 $\beta$ proteasome regulator are oxidative-stress-adaptive proteolytic complexes. <i>Biochemical Journal</i> , <b>2010</b> , 432, 585-94	3.8	232
129	Decreased SIRT1 deacetylase activity in sporadic inclusion-body myositis muscle fibers. <i>Neurobiology of Aging</i> , <b>2010</b> , 31, 1637-48	5.6	20
128	Tau protein degradation is catalyzed by the ATP/ubiquitin-independent 20S proteasome under normal cell conditions. <i>Archives of Biochemistry and Biophysics</i> , <b>2010</b> , 500, 181-8	4.1	60
127	The evolution of Free Radical Biology & Medicine: still radical after a quarter of a century!. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 49, 1825-33	7.8	1
126	Mitochondrial fission and cristae disruption increase the response of cell models of Huntington $\beta$ disease to apoptotic stimuli. <i>EMBO Molecular Medicine</i> , <b>2010</b> , 2, 490-503	12	201
125	Regulator of calcineurin (RCAN1-1L) is deficient in Huntington disease and protective against mutant huntingtin toxicity in vitro. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 11845-53	5.4	34
124	Exercise improves import of 8-oxoguanine DNA glycosylase into the mitochondrial matrix of skeletal muscle and enhances the relative activity. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 46, 238-43	7.8	42
123	Mitochondrial Lon protease is a human stress protein. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 46, 1042-8	8.8	95
122	Free radicals and exercise: an introduction. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 44, 123-5	7.8	48
121	Production, detection, and adaptive responses to free radicals in exercise. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 44, 215-23	7.8	193
120	RCAN1-1L is overexpressed in neurons of Alzheimer $\beta$ disease patients. <i>FEBS Journal</i> , <b>2007</b> , 274, 1715-24	5.7	55
119	Is vitamin E an antioxidant, a regulator of signal transduction and gene expression, or a junk food? Comments on the two accompanying papers: "Molecular mechanism of alpha-tocopherol action" by A. Azzi and "Vitamin E, antioxidant and nothing more" by M. Traber and J. Atkinson. <i>Free Radical Biology and Medicine</i> , <b>2007</b> , 43, 2-3	7.8	27
118	Importance of the Lon protease in mitochondrial maintenance and the significance of declining Lon in aging. <i>Annals of the New York Academy of Sciences</i> , <b>2007</b> , 1119, 78-87	6.5	83
117	Renaming the DSCR1/Adapt78 gene family as RCAN: regulators of calcineurin. <i>FASEB Journal</i> , <b>2007</b> , 21, 3023-8	0.9	138
116	Optimal determination of heart tissue 26S-proteasome activity requires maximal stimulating ATP concentrations. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2007</b> , 42, 265-9	5.8	66
115	Preferential degradation of oxidized proteins by the 20S proteasome may be inhibited in aging and in inflammatory neuromuscular diseases. <i>Neurology</i> , <b>2006</b> , 66, S93-6	6.5	65
114	Phosphorylation inhibits turnover of the tau protein by the proteasome: influence of RCAN1 and oxidative stress. <i>Biochemical Journal</i> , <b>2006</b> , 400, 511-20	3.8	137

113	RCAN1 (DSCR1 or Adapt78) stimulates expression of GSK-3beta. <i>FEBS Journal</i> , <b>2006</b> , 273, 2100-9	5.7	51
112	Free radical biology and medicine: it's a gas, man!. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2006</b> , 291, R491-511	3.2	322
111	Oxidized and ubiquitinated proteins may predict recovery of postischemic cardiac function: essential role of the proteasome. <i>Antioxidants and Redox Signaling</i> , <b>2005</b> , 7, 538-46	8.4	113
110	Proteasome inhibition and aggresome formation in sporadic inclusion-body myositis and in amyloid-beta precursor protein-overexpressing cultured human muscle fibers. <i>American Journal of Pathology</i> , <b>2005</b> , 167, 517-26	5.8	95
109	Downregulation of the human Lon protease impairs mitochondrial structure and function and causes cell death. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 38, 665-77	7.8	176
108	Aggregates of oxidized proteins (lipofuscin) induce apoptosis through proteasome inhibition and dysregulation of proapoptotic proteins. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 38, 1093-101	7.8	98
107	Protein oxidation and degradation during postmitotic senescence. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 39, 1208-15	7.8	88
106	Multiple roles of the DSCR1 (Adapt78 or RCAN1) gene and its protein product calcipressin 1 (or RCAN1) in disease. <i>Cellular and Molecular Life Sciences</i> , <b>2005</b> , 62, 2477-86	10.3	90
105	DSCR1(Adapt78) modulates expression of SOD1. <i>FASEB Journal</i> , <b>2004</b> , 18, 62-9	0.9	33
104	Decreased proteolysis caused by protein aggregates, inclusion bodies, plaques, lipofuscin, ceroid, and aggresomes during oxidative stress, aging, and disease. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2004</b> , 36, 2519-30	5.6	510
103	Potential roles of protein oxidation and the immunoproteasome in MHC class I antigen presentation: the PrOxIP hypothesis. <i>Archives of Biochemistry and Biophysics</i> , <b>2004</b> , 423, 88-96	4.1	46
102	Free radical biology - terminology and critical thinking. <i>FEBS Letters</i> , <b>2004</b> , 558, 3-6	3.8	143
101	Ubiquitin conjugation is not required for the degradation of oxidized proteins by proteasome. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 3111-8	5.4	333
100	DSCR1(Adapt78)--a Janus gene providing stress protection but causing Alzheimer's disease?. <i>IUBMB Life</i> , <b>2003</b> , 55, 29-31	4.7	20
99	Genetic aberrations in Chernobyl-related thyroid cancers: implications for possible future nuclear accidents or nuclear attacks. <i>IUBMB Life</i> , <b>2003</b> , 55, 637-41	4.7	8
98	Cytotoxic effect of doxycycline and its implications for tet-on gene expression systems. <i>Analytical Biochemistry</i> , <b>2003</b> , 318, 152-4	3.1	28
97	Proteasome inhibitors induce intracellular protein aggregation and cell death by an oxygen-dependent mechanism. <i>FEBS Letters</i> , <b>2003</b> , 542, 89-94	3.8	65
96	The proteasomal system and HNE-modified proteins. <i>Molecular Aspects of Medicine</i> , <b>2003</b> , 24, 195-204	16.7	170



95	Selective degradation of oxidatively modified protein substrates by the proteasome. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 305, 709-18	3.4	397
94	Characterization of adapt33, a stress-inducible riboregulator. <i>Gene Expression</i> , <b>2003</b> , 11, 85-94	3.4	15
93	Protein turnover by the proteasome in aging and disease. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 32, 1084-9	7.8	189
92	Ezrin turnover and cell shape changes catalyzed by proteasome in oxidatively stressed cells. <i>FASEB Journal</i> , <b>2002</b> , 16, 1602-10	0.9	35
91	Analysis of gene expression following oxidative stress. <i>Methods in Molecular Biology</i> , <b>2002</b> , 196, 155-62	1.4	9
90	The DSCR1 (Adapt78) isoform 1 protein calcipressin 1 inhibits calcineurin and protects against acute calcium-mediated stress damage, including transient oxidative stress. <i>FASEB Journal</i> , <b>2002</b> , 16, 814-24	0.9	109
89	Oxidative Defense Mechanisms <b>2002</b> , 679-689		
88	Proteasome-dependent turnover of protein disulfide isomerase in oxidatively stressed cells. <i>Archives of Biochemistry and Biophysics</i> , <b>2002</b> , 397, 407-13	4.1	39
87	Modulation of Lon protease activity and aconitase turnover during aging and oxidative stress. <i>FEBS Letters</i> , <b>2002</b> , 532, 103-6	3.8	190
86	Lon protease preferentially degrades oxidized mitochondrial aconitase by an ATP-stimulated mechanism. <i>Nature Cell Biology</i> , <b>2002</b> , 4, 674-80	23.4	454
85	Atherosclerosis: another protein misfolding disease?. <i>Trends in Molecular Medicine</i> , <b>2002</b> , 8, 370-4	11.5	59
84	Calcium and oxidative stress: from cell signaling to cell death. <i>Molecular Immunology</i> , <b>2002</b> , 38, 713-21	4.3	608
83	Gene expression in Alzheimer's disease. <i>Drugs of Today</i> , <b>2002</b> , 38, 509-16		8
82	Differential display: a critical analysis. <i>Gene Expression</i> , <b>2002</b> , 10, 101-7	3.4	6
81	The essential role of calcium in induction of the DSCR1 (ADAPT78) gene. <i>BioFactors</i> , <b>2001</b> , 15, 91-3	6.1	7
80	Protein oxidation and 20S proteasome-dependent proteolysis in mammalian cells. <i>Cellular and Molecular Life Sciences</i> , <b>2001</b> , 58, 1442-50	10.3	162
79	Induction and repression of DAN1 and the family of anaerobic mannoprotein genes in <i>Saccharomyces cerevisiae</i> occurs through a complex array of regulatory sites. <i>Nucleic Acids Research</i> , <b>2001</b> , 29, 799-808	20.1	67
78	Mechanism of the formation and proteolytic release of H <sub>2</sub> O <sub>2</sub> -induced dityrosine and tyrosine oxidation products in hemoglobin and red blood cells. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 24129-36	5.4	75



77	Chronic overexpression of the calcineurin inhibitory gene DSCR1 (Adapt78) is associated with Alzheimer's disease. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 38787-94	5.4	171
76	Glutathiolation of the proteasome is enhanced by proteolytic inhibitors. <i>Archives of Biochemistry and Biophysics</i> , <b>2001</b> , 389, 254-63	4.1	68
75	Degradation of oxidized proteins by the 20S proteasome. <i>Biochimie</i> , <b>2001</b> , 83, 301-10	4.6	730
74	Protein degradation in mitochondria: implications for oxidative stress, aging and disease: a novel etiological classification of mitochondrial proteolytic disorders. <i>Mitochondrion</i> , <b>2001</b> , 1, 33-49	4.9	88
73	Regulatory mechanisms controlling expression of the DAN/TIR mannoprotein genes during anaerobic remodeling of the cell wall in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , <b>2001</b> , 157, 1169-77	4	107
72	An overview of oxidative stress. <i>IUBMB Life</i> , <b>2000</b> , 50, 241-4	4.7	20
71	Oxidative stress, antioxidant defenses, and damage removal, repair, and replacement systems. <i>IUBMB Life</i> , <b>2000</b> , 50, 279-89	4.7	217
70	Proteasome inhibition by lipofuscin/ceroid during postmitotic aging of fibroblasts. <i>FASEB Journal</i> , <b>2000</b> , 14, 1490-8	0.9	209
69	Mitochondrial free radical generation, oxidative stress, and aging. <i>Free Radical Biology and Medicine</i> , <b>2000</b> , 29, 222-30	7.8	2175
68	Polynucleotide degradation during early stage response to oxidative stress is specific to mitochondria. <i>Free Radical Biology and Medicine</i> , <b>2000</b> , 28, 281-8	7.8	31
67	Redox Regulation of Gene Expression <b>2000</b> , 21-45		4
66	Protein oxidation and degradation during cellular senescence of human BJ fibroblasts: part II—aging of nondividing cells. <i>FASEB Journal</i> , <b>2000</b> , 14, 2503-10	0.9	138
65	The measurement of protein degradation in response to oxidative stress. <i>Methods in Molecular Biology</i> , <b>2000</b> , 99, 49-60	1.4	28
64	An Overview of Oxidative Stress. <i>IUBMB Life</i> , <b>2000</b> , 50, 241-244	4.7	39
63	Oxidative Stress, Antioxidant Defenses, and Damage Removal, Repair, and Replacement Systems. <i>IUBMB Life</i> , <b>2000</b> , 50, 279-289	4.7	558
62	Protein oxidation and degradation during cellular senescence of human BJ fibroblasts: part I—effects of proliferative senescence. <i>FASEB Journal</i> , <b>2000</b> , 14, 2495-502	0.9	188
61	Proteasome inhibition by lipofuscin/ceroid during postmitotic aging of fibroblasts. <i>FASEB Journal</i> , <b>2000</b> , 14, 1490-1498	0.9	261
60	The Broad Spectrum of Responses to Oxidants in Proliferating Cells: A New Paradigm for Oxidative Stress. <i>IUBMB Life</i> , <b>1999</b> , 48, 41-47	4.7	301

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