

Federico V Pallard

List of Publications by Year in Descending Order

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Version: 2024-04-25

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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.

194
papers

11,262
citations

56
h-index

102
g-index

207
ext. papers

12,631
ext. citations

6.1
avg, IF

5.96
L-index

#	Paper	IF	Citations
194	Perspectives and future directions of translational epigenetics in personalized and precision medicine 2022 , 1-18		
193	Clinical and immunological aspects of microRNAs in neonatal sepsis. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 145, 112444	7.5	0
192	Use of Two Complementary Bioinformatic Approaches to Identify Differentially Methylated Regions in Neonatal Sepsis. <i>Open Bioinformatics Journal</i> , 2021 , 14, 144-152	0.8	
191	Mitigating the pro-oxidant state and melanogenesis of Retinitis pigmentosa: by counteracting mitochondrial dysfunction. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 7491-7503	10.3	1
190	Re-definition and supporting evidence toward Fanconi Anemia as a mitochondrial disease: Prospects for new design in clinical management. <i>Redox Biology</i> , 2021 , 40, 101860	11.3	2
189	Role of microRNAs As Biomarkers in Sepsis-Associated Encephalopathy. <i>Molecular Neurobiology</i> , 2021 , 58, 4682-4693	6.2	3
188	Cofilin and Neurodegeneration: New Functions for an Old but Gold Protein. <i>Brain Sciences</i> , 2021 , 11,	3.4	3
187	Friedreich Ataxia: current state-of-the-art, and future prospects for mitochondrial-focused therapies. <i>Translational Research</i> , 2021 , 229, 135-141	11	4
186	PPAR gamma agonist leriglitazone improves frataxin-loss impairments in cellular and animal models of Friedreich Ataxia. <i>Neurobiology of Disease</i> , 2021 , 148, 105162	7.5	13
185	Potential roles of mitochondrial cofactors in the adjuvant mitigation of proinflammatory acute infections, as in the case of sepsis and COVID-19 pneumonia. <i>Inflammation Research</i> , 2021 , 70, 159-170	7.2	6
184	DNA Methylation Analysis to Unravel Altered Genetic Pathways Underlying Early Onset and Late Onset Neonatal Sepsis. A Pilot Study. <i>Frontiers in Immunology</i> , 2021 , 12, 622599	8.4	4
183	Oxidative stress-mediated alterations in histone post-translational modifications. <i>Free Radical Biology and Medicine</i> , 2021 , 170, 6-18	7.8	14
182	Role of non-coding RNAs as biomarkers of deleterious cardiovascular effects in sepsis. <i>Progress in Cardiovascular Diseases</i> , 2021 , 68, 70-77	8.5	2
181	Comparative Analysis of Chromatin-Delivered Biomarkers in the Monitoring of Sepsis and Septic Shock: A Pilot Study. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
180	Epigenetic biomarkers for human sepsis and septic shock: insights from immunosuppression. <i>Epigenomics</i> , 2020 , 12, 617-646	4.4	6
179	Circular RNAs in Sepsis: Biogenesis, Function, and Clinical Significance. <i>Cells</i> , 2020 , 9,	7.9	19
178	Much More Than a Scaffold: Cytoskeletal Proteins in Neurological Disorders. <i>Cells</i> , 2020 , 9,	7.9	29

177	Mitoprotective Clinical Strategies in Type 2 Diabetes and Fanconi Anemia Patients: Suggestions for Clinical Management of Mitochondrial Dysfunction. <i>Antioxidants</i> , 2020 , 9,	7.1	4
176	Cofilin dysregulation alters actin turnover in frataxin-deficient neurons. <i>Scientific Reports</i> , 2020 , 10, 52074.9	4.9	8
175	Oxidative Stress, a Crossroad Between Rare Diseases and Neurodegeneration. <i>Antioxidants</i> , 2020 , 9,	7.1	20
174	Non-coding RNAs and Coronary Artery Disease. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1229, 273-285	3.6	6
173	Oxygen in the neonatal period: Oxidative stress, oxygen load and epigenetic changes. <i>Seminars in Fetal and Neonatal Medicine</i> , 2020 , 25, 101090	3.7	6
172	Reactive Glia-Derived Neuroinflammation: a Novel Hallmark in Lafora Progressive Myoclonus Epilepsy That Progresses with Age. <i>Molecular Neurobiology</i> , 2020 , 57, 1607-1621	6.2	19
171	Oxidative Stress and Inflammation in COVID-19-Associated Sepsis: The Potential Role of Anti-Oxidant Therapy in Avoiding Disease Progression. <i>Antioxidants</i> , 2020 , 9,	7.1	57
170	Aging-Related Disorders and Mitochondrial Dysfunction: A Critical Review for Prospect Mitoprotective Strategies Based on Mitochondrial Nutrient Mixtures. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
169	Oxidative stress modulates rearrangement of endoplasmic reticulum-mitochondria contacts and calcium dysregulation in a Friedreich's ataxia model. <i>Redox Biology</i> , 2020 , 37, 101762	11.3	10
168	miRNA-23b as a biomarker of culture-positive neonatal sepsis. <i>Molecular Medicine</i> , 2020 , 26, 94	6.2	6
167	Acute depletion of telomerase components DKC1 and NOP10 induces oxidative stress and disrupts ribosomal biogenesis via NPM1 and activation of the P53 pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020 , 1867, 118845	4.9	3
166	Sepsis and Coronavirus Disease 2019: Common Features and Anti-Inflammatory Therapeutic Approaches. <i>Critical Care Medicine</i> , 2020 , 48, 1841-1844	1.4	35
165	From genetics to epigenetics to unravel the etiology of adolescent idiopathic scoliosis. <i>Bone</i> , 2020 , 140, 115563	4.7	12
164	Thioredoxin and Glutaredoxin Systems as Potential Targets for the Development of New Treatments in Friedreich's Ataxia. <i>Antioxidants</i> , 2020 , 9,	7.1	12
163	Oxidative post-translational modifications in histones. <i>BioFactors</i> , 2019 , 45, 641-650	6.1	11
162	Phosphodiesterase Inhibitors Revert Axonal Dystrophy in Friedreich's Ataxia Mouse Model. <i>Neurotherapeutics</i> , 2019 , 16, 432-449	6.4	9
161	Epigenetic Regulation in the Pathogenesis of Sjögren Syndrome and Rheumatoid Arthritis. <i>Frontiers in Genetics</i> , 2019 , 10, 1104	4.5	7
160	Small RNA-seq analysis of circulating miRNAs to identify phenotypic variability in Friedreich's ataxia patients. <i>Scientific Data</i> , 2018 , 5, 180021	8.2	17

159	Circulating miRNAs as diagnostic biomarkers for adolescent idiopathic scoliosis. <i>Scientific Reports</i> , 2018 , 8, 2646	4.9	18
158	Acute telomerase components depletion triggers oxidative stress as an early event previous to telomeric shortening. <i>Redox Biology</i> , 2018 , 14, 398-408	11.3	22
157	Extracellular histones activate autophagy and apoptosis via mTOR signaling in human endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 3234-3246	6.9	19
156	miR-1226 detection in GCF as potential biomarker of chronic periodontitis: A pilot study. <i>Medicina Oral, Patología Oral Y Cirugía Bucal</i> , 2018 , 23, e308-e314	2.6	17
155	A Drosophila model of GDAP1 function reveals the involvement of insulin signalling in the mitochondria-dependent neuromuscular degeneration. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 801-809	6.9	12
154	Extracellular histones disarrange vasoactive mediators release through a COX-NOS interaction in human endothelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 1584-1592	5.6	23
153	Thioredoxin (Trxo1) interacts with proliferating cell nuclear antigen (PCNA) and its overexpression affects the growth of tobacco cell culture. <i>Redox Biology</i> , 2017 , 11, 688-700	11.3	26
152	Cellular Responses in Human Dental Pulp Stem Cells Treated with Three Endodontic Materials. <i>Stem Cells International</i> , 2017 , 2017, 8920356	5	23
151	A new mass spectrometry-based method for the quantification of histones in plasma from septic shock patients. <i>Scientific Reports</i> , 2017 , 7, 10643	4.9	26
150	Epigenetic biomarkers: Current strategies and future challenges for their use in the clinical laboratory. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2017 , 54, 529-550	9.4	68
149	Role of glutathione in the regulation of epigenetic mechanisms in disease. <i>Free Radical Biology and Medicine</i> , 2017 , 112, 36-48	7.8	61
148	Circulating miR-323-3p is a biomarker for cardiomyopathy and an indicator of phenotypic variability in Friedreich's ataxia patients. <i>Scientific Reports</i> , 2017 , 7, 5237	4.9	15
147	Reversible Axonal Dystrophy by Calcium Modulation in Frataxin-Deficient Sensory Neurons of YG8R Mice. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 264	6.1	31
146	Assessing the risk of cytomegalovirus DNAemia in allogeneic stem cell transplant recipients by monitoring oxidative-stress markers in plasma. <i>Journal of General Virology</i> , 2017 , 98, 1855-1863	4.9	2
145	Circulating Histones and Nucleosomes as Biomarkers in Sepsis and Septic Shock 2016 , 497-517		1
144	Fanconi anemia (FA) and crosslinker sensitivity: Re-appraising the origins of FA definition. <i>Pediatric Blood and Cancer</i> , 2015 , 62, 1137-43	3	8
143	Harmonization of QSAR Best Practices and Molecular Docking Provides an Efficient Virtual Screening Tool for Discovering New G-Quadruplex Ligands. <i>Journal of Chemical Information and Modeling</i> , 2015 , 55, 2094-110	6.1	14
142	Increased oxidative stress and impaired antioxidant response in Lafora disease. <i>Molecular Neurobiology</i> , 2015 , 51, 932-46	6.2	28

141	Mitochondrial defects and neuromuscular degeneration caused by altered expression of <i>Drosophila</i> Gdap1: implications for the Charcot-Marie-Tooth neuropathy. <i>Human Molecular Genetics</i> , 2015 , 24, 21-36	5.6	30
140	Oxidative stress, a new hallmark in the pathophysiology of Lafora progressive myoclonus epilepsy. <i>Free Radical Biology and Medicine</i> , 2015 , 88, 30-41	7.8	20
139	Expression of the genetic suppressor element 24.2 (GSE24.2) decreases DNA damage and oxidative stress in X-linked dyskeratosis congenita cells. <i>PLoS ONE</i> , 2014 , 9, e101424	3.7	15
138	Oxidative stress and mitochondrial dysfunction across broad-ranging pathologies: toward mitochondria-targeted clinical strategies. <i>Oxidative Medicine and Cellular Longevity</i> , 2014 , 2014, 541230	6.7	90
137	Mitochondrial biogenesis in health and disease. Molecular and therapeutic approaches. <i>Current Pharmaceutical Design</i> , 2014 , 20, 5619-33	3.3	70
136	Oxidative stress and mitochondrial dysfunction in Kindler syndrome. <i>Orphanet Journal of Rare Diseases</i> , 2014 , 9, 211	4.2	15
135	Current experience in testing mitochondrial nutrients in disorders featuring oxidative stress and mitochondrial dysfunction: rational design of chemoprevention trials. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 20169-208	6.3	16
134	Maintenance of glutathione levels and its importance in epigenetic regulation. <i>Frontiers in Pharmacology</i> , 2014 , 5, 88	5.6	18
133	Glutathione and cellular redox control in epigenetic regulation. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S3	7.8	8
132	Characterization of the antioxidant systems in different complementation groups of Dyskeratosis Congenita. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S34	7.8	2
131	Decreased cell proliferation and higher oxidative stress in fibroblasts from Down Syndrome fetuses. Preliminary study. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 116-25	6.9	33
130	Oxidative stress and antioxidant response in fibroblasts from Werner and atypical Werner syndromes. <i>Aging</i> , 2014 , 6, 231-45	5.6	15
129	Histone h3 glutathionylation in proliferating mammalian cells destabilizes nucleosomal structure. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 1305-20	8.4	69
128	From clinical description, to in vitro and animal studies, and backward to patients: oxidative stress and mitochondrial dysfunction in Fanconi anemia. <i>Free Radical Biology and Medicine</i> , 2013 , 58, 118-25	7.8	19
127	Sjögren's syndrome-associated oxidative stress and mitochondrial dysfunction: prospects for chemoprevention trials. <i>Free Radical Research</i> , 2013 , 47, 71-3	4	38
126	DNA binding, nuclease activity, DNA photocleavage and cytotoxic properties of Cu(II) complexes of N-substituted sulfonamides. <i>Journal of Inorganic Biochemistry</i> , 2013 , 121, 167-78	4.2	41
125	Nuclear glutathione. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 3304-16	4	74
124	Epigenetic biomarkers in laboratory diagnostics: emerging approaches and opportunities. <i>Expert Review of Molecular Diagnostics</i> , 2013 , 13, 457-71	3.8	46

123	Lafora disease fibroblasts exemplify the molecular interdependence between thioredoxin 1 and the proteasome in mammalian cells. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 347-359	7.8	13
122	Bone marrow cell transcripts from Fanconi anaemia patients reveal in vivo alterations in mitochondrial, redox and DNA repair pathways. <i>European Journal of Haematology</i> , 2013 , 91, 141-51	3.8	15
121	Evaluation of the quality of publications on randomized clinical trials using the Consolidated Standards of Reporting Trials (CONSORT) statement guidelines in a Spanish tertiary hospital. <i>Journal of Clinical Pharmacology</i> , 2012 , 52, 1106-14	2.9	5
120	Epigenetic biomarkers: A new perspective in laboratory diagnostics. <i>Clinica Chimica Acta</i> , 2012 , 413, 1576-82	6.82	39
119	Histone carbonylation occurs in proliferating cells. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 1453-64	7.8	26
118	Computational tools in the discovery of new G-quadruplex ligands with potential anticancer activity. <i>Current Topics in Medicinal Chemistry</i> , 2012 , 12, 2843-56	3	5
117	Piclamilast inhibits the pro-apoptotic and anti-proliferative responses of A549 cells exposed to H ₂ O ₂ via mechanisms involving AP-1 activation. <i>Free Radical Research</i> , 2012 , 46, 690-9	4	12
116	Oxidative stress in Fanconi anaemia: from cells and molecules towards prospects in clinical management. <i>Biological Chemistry</i> , 2012 , 393, 11-21	4.5	49
115	Physical exercise as an epigenetic modulator: Eustress, the "positive stress" as an effector of gene expression. <i>Journal of Strength and Conditioning Research</i> , 2012 , 26, 3469-72	3.2	64
114	Free [NADH]/[NAD(+)] regulates sirtuin expression. <i>Archives of Biochemistry and Biophysics</i> , 2011 , 512, 24-9	4.1	33
113	Amyloid- β toxicity and tau hyperphosphorylation are linked via RCAN1 in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2011 , 27, 701-9	4.3	86
112	Living at high altitude in combination with sea-level sprint training increases hematological parameters but does not improve performance in rats. <i>European Journal of Applied Physiology</i> , 2011 , 111, 1147-56	3.4	13
111	Could thiazolidinediones increase the risk of heart failure in Friedreich's ataxia patients?. <i>Movement Disorders</i> , 2011 , 26, 769-71	7	9
110	Differential expression of PGC-1 α and metabolic sensors suggest age-dependent induction of mitochondrial biogenesis in Friedreich ataxia fibroblasts. <i>PLoS ONE</i> , 2011 , 6, e20666	3.7	35
109	RasGrf1 deficiency delays aging in mice. <i>Aging</i> , 2011 , 3, 262-76	5.6	41
108	Circulating mononuclear cells nuclear factor-kappa B activity, plasma xanthine oxidase, and low grade inflammatory markers in adult patients with familial hypercholesterolaemia. <i>European Journal of Clinical Investigation</i> , 2010 , 40, 89-94	4.6	33
107	Recruitment of glutathione into the nucleus during cell proliferation adjusts whole-cell redox homeostasis in <i>Arabidopsis thaliana</i> and lowers the oxidative defence shield. <i>Plant Journal</i> , 2010 , 64, 825-38	6.9	144
106	Role of glutathione in cell nucleus. <i>Free Radical Research</i> , 2010 , 44, 721-33	4	43

105	A nuclear glutathione cycle within the cell cycle. <i>Biochemical Journal</i> , 2010 , 431, 169-78	3.8	198
104	Direct antioxidant and protective effect of estradiol on isolated mitochondria. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010 , 1802, 205-11	6.9	138
103	Increased plasma xanthine oxidase activity is related to nuclear factor kappa beta activation and inflammatory markers in familial combined hyperlipidemia. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2010 , 20, 734-9	4.5	24
102	Mitochondrial dysfunction in some oxidative stress-related genetic diseases: Ataxia-Telangiectasia, Down Syndrome, Fanconi Anaemia and Werner Syndrome. <i>Biogerontology</i> , 2010 , 11, 401-19	4.5	91
101	Increased oxidative stress levels and normal antioxidant enzyme activity in circulating mononuclear cells from patients of familial hypercholesterolemia. <i>Metabolism: Clinical and Experimental</i> , 2010 , 59, 293-8	12.7	19
100	Estradiol or genistein prevent Alzheimer β disease-associated inflammation correlating with an increase PPAR gamma expression in cultured astrocytes. <i>Brain Research</i> , 2010 , 1312, 138-44	3.7	134
99	Xanthine oxidase-induced oxidative stress causes activation of NF-kappaB and inflammation in the liver of type I diabetic rats. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 171-7	7.8	77
98	Estrogenic Modulation of Longevity by Induction of Antioxidant Enzymes 2010 , 119-128		
97	The depletion of nuclear glutathione impairs cell proliferation in 3t3 fibroblasts. <i>PLoS ONE</i> , 2009 , 4, e64137	3.7	77
96	Pyridine nucleotide cycling and control of intracellular redox state in relation to poly (ADP-ribose) polymerase activity and nuclear localization of glutathione during exponential growth of Arabidopsis cells in culture. <i>Molecular Plant</i> , 2009 , 2, 442-56	14.4	73
95	Effect of intermittent hypoxia on hematological parameters after recombinant human erythropoietin administration. <i>European Journal of Applied Physiology</i> , 2009 , 107, 429-36	3.4	21
94	Mitochondrial biogenesis in exercise and in ageing. <i>Advanced Drug Delivery Reviews</i> , 2009 , 61, 1369-74	18.5	146
93	Role of nuclear glutathione as a key regulator of cell proliferation. <i>Molecular Aspects of Medicine</i> , 2009 , 30, 77-85	16.7	120
92	Vitamin E paradox in Alzheimer β disease: it does not prevent loss of cognition and may even be detrimental. <i>Journal of Alzheimer's Disease</i> , 2009 , 17, 143-9	4.3	167
91	Oestradiol or genistein rescues neurons from amyloid beta-induced cell death by inhibiting activation of p38. <i>Aging Cell</i> , 2008 , 7, 112-8	9.9	60
90	Different patterns of in vivo pro-oxidant states in a set of cancer- or aging-related genetic diseases. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 495-503	7.8	23
89	Glutamate cysteine ligase up-regulation fails in necrotizing pancreatitis. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 1599-609	7.8	15
88	Gender and age-dependent differences in the mitochondrial apoptogenic pathway in Alzheimer β disease. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 2019-25	7.8	46

87	Modulation of longevity-associated genes by estrogens or phytoestrogens. <i>Biological Chemistry</i> , 2008 , 389, 273-7	4.5	36
86	Oral administration of vitamin C decreases muscle mitochondrial biogenesis and hampers training-induced adaptations in endurance performance. <i>American Journal of Clinical Nutrition</i> , 2008 , 87, 142-9	7	580
85	Cyanoside Chloride and Chromocarbe Diethylamine are More Effective than Vitamin C against Exercise-Induced Oxidative Stress. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008 , 89, 255-258		1
84	Effect of gender on mitochondrial toxicity of Alzheimer β Abeta peptide. <i>Antioxidants and Redox Signaling</i> , 2007 , 9, 1677-90	8.4	29
83	Glutathione levels in blood from ataxia telangiectasia patients suggest in vivo adaptive mechanisms to oxidative stress. <i>Clinical Biochemistry</i> , 2007 , 40, 666-70	3.5	14
82	Oxidative stress biomarkers in four Bloom syndrome (BS) patients and in their parents suggest in vivo redox abnormalities in BS phenotype. <i>Clinical Biochemistry</i> , 2007 , 40, 1100-3	3.5	11
81	Vitamins C and E prevent AZT-induced leukopenia and loss of cellularity in bone marrow. Studies in mice. <i>Free Radical Research</i> , 2007 , 41, 330-4	4	7
80	Age-related increase in xanthine oxidase activity in human plasma and rat tissues. <i>Free Radical Research</i> , 2007 , 41, 1195-200	4	49
79	Glutathione is recruited into the nucleus in early phases of cell proliferation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 20416-24	5.4	139
78	Mitochondrial oxidant signalling in Alzheimer β disease. <i>Journal of Alzheimer's Disease</i> , 2007 , 11, 175-81	4.3	38
77	SIRT1 regulation of insulin-signalling pathways in liver, white adipose tissue and pancreas during fasting or calorie restriction. <i>Trends in Endocrinology and Metabolism</i> , 2007 , 18, 91-2; author reply 93	8.8	4
76	Induction of mitochondrial xanthine oxidase activity during apoptosis in the rat mammary gland. <i>Frontiers in Bioscience - Landmark</i> , 2007 , 12, 1184-9	2.8	6
75	Mitochondrial function in liver disease. <i>Frontiers in Bioscience - Landmark</i> , 2007 , 12, 1200-9	2.8	65
74	Genistein, a soy isoflavone, up-regulates expression of antioxidant genes: involvement of estrogen receptors, ERK1/2, and NFkappaB. <i>FASEB Journal</i> , 2006 , 20, 2136-8	0.9	128
73	Role of mitochondrial oxidative stress to explain the different longevity between genders: protective effect of estrogens. <i>Free Radical Research</i> , 2006 , 40, 1359-65	4	97
72	Oxidative stress in marathon runners: interest of antioxidant supplementation. <i>British Journal of Nutrition</i> , 2006 , 96 Suppl 1, S31-3	3.6	83
71	Multiple evidence for an early age pro-oxidant state in Down Syndrome patients. <i>Biogerontology</i> , 2006 , 7, 211-20	4.5	63
70	In vivo prooxidant state in Werner syndrome (WS): results from three WS patients and two WS heterozygotes. <i>Free Radical Research</i> , 2005 , 39, 529-33	4	39

69	Why females live longer than males? Importance of the upregulation of longevity-associated genes by oestrogenic compounds. <i>FEBS Letters</i> , 2005 , 579, 2541-5	3.8	162
68	Weaning induces NOS-2 expression through NF-kappaB modulation in the lactating mammary gland: importance of GSH. <i>Biochemical Journal</i> , 2005 , 391, 581-8	3.8	22
67	17beta-oestradiol up-regulates longevity-related, antioxidant enzyme expression via the ERK1 and ERK2[MAPK]/NFkappaB cascade. <i>Aging Cell</i> , 2005 , 4, 113-8	9.9	223
66	Decreasing xanthine oxidase-mediated oxidative stress prevents useful cellular adaptations to exercise in rats. <i>Journal of Physiology</i> , 2005 , 567, 113-20	3.9	313
65	Age-associated oxidative damage leads to absence of gamma-cystathionase in over 50% of rat lenses: relevance in cataractogenesis. <i>Free Radical Biology and Medicine</i> , 2005 , 38, 575-82	7.8	21
64	Oxidative stress as a multiple effector in Fanconi anaemia clinical phenotype. <i>European Journal of Haematology</i> , 2005 , 75, 93-100	3.8	57
63	Multiple involvement of oxidative stress in Werner syndrome phenotype. <i>Biogerontology</i> , 2005 , 6, 233-4	4.5	33
62	Vitamin E deficiency induces liver nuclear factor-kappaB DNA-binding activity and changes in related genes. <i>Free Radical Research</i> , 2005 , 39, 1127-38	4	29
61	Why females live longer than males: control of longevity by sex hormones. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2005 , 2005, pe17		76
60	Gender- and age-related distinctions for the in vivo prooxidant state in Fanconi anaemia patients. <i>Carcinogenesis</i> , 2004 , 25, 1899-909	4.6	41
59	Glutathione regulates telomerase activity in 3T3 fibroblasts. <i>Journal of Biological Chemistry</i> , 2004 , 279, 34332-5	5.4	56
58	Ursodeoxycholic acid protects against secondary biliary cirrhosis in rats by preventing mitochondrial oxidative stress. <i>Hepatology</i> , 2004 , 39, 711-20	11.2	114
57	Posibles mecanismos por los que las mujeres viven más que los varones. <i>Revista Espanola De Geriatria Y Gerontologia</i> , 2004 , 39, 381-384	1.7	1
56	AZT induces oxidative damage to cardiac mitochondria: protective effect of vitamins C and E. <i>Life Sciences</i> , 2004 , 76, 47-56	6.8	38
55	Inhibition of liver trans-sulphuration pathway by propargylglycine mimics gene expression changes found in the mammary gland of weaned lactating rats: role of glutathione. <i>Biochemical Journal</i> , 2003 , 373, 825-34	3.8	16
54	Mitochondria from females exhibit higher antioxidant gene expression and lower oxidative damage than males. <i>Free Radical Biology and Medicine</i> , 2003 , 34, 546-52	7.8	440
53	The role of mitochondrial oxidative stress in aging. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 1-8	7.8	246
52	Mitochondrial theory of aging: importance to explain why females live longer than males. <i>Antioxidants and Redox Signaling</i> , 2003 , 5, 549-56	8.4	105

51	Allopurinol and markers of muscle damage among participants in the Tour de France. <i>JAMA - Journal of the American Medical Association</i> , 2003 , 289, 2503-4	27.4	85
50	Mitochondrial damage in aging and apoptosis. <i>Annals of the New York Academy of Sciences</i> , 2002 , 959, 448-51	6.5	33
49	Xanthine oxidase is involved in free radical production in type 1 diabetes: protection by allopurinol. <i>Diabetes</i> , 2002 , 51, 1118-24	0.9	319
48	Mitochondrial oxidative stress and CD95 ligand: a dual mechanism for hepatocyte apoptosis in chronic alcoholism. <i>Hepatology</i> , 2002 , 35, 1205-14	11.2	97
47	Resuscitation with room air instead of 100% oxygen prevents oxidative stress in moderately asphyxiated term neonates. <i>Pediatrics</i> , 2001 , 107, 642-7	7.4	318
46	Na ⁺ dependent glutamate transporters (EAAT1, EAAT2, and EAAT3) in primary astrocyte cultures: effect of oxidative stress. <i>Brain Research</i> , 2001 , 922, 21-9	3.7	78
45	Hepatic gamma-cystathionase deficiency in patients with AIDS. <i>JAMA - Journal of the American Medical Association</i> , 2001 , 285, 1444-5	27.4	22
44	Cyanoside chloride and chromocarbe diethylamine are more effective than vitamin C against exercise-induced oxidative stress. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2001 , 89, 255-8		12
43	Free radicals in exhaustive physical exercise: mechanism of production, and protection by antioxidants. <i>IUBMB Life</i> , 2000 , 50, 271-7	4.7	47
42	Vitamin A deficiency causes oxidative damage to liver mitochondria in rats. <i>Free Radical Biology and Medicine</i> , 2000 , 29, 1-7	7.8	32
41	Mitochondrial oxidative stress plays a key role in aging and apoptosis. <i>IUBMB Life</i> , 2000 , 49, 427-35	4.7	285
40	Mechanism of free radical production in exhaustive exercise in humans and rats; role of xanthine oxidase and protection by allopurinol. <i>IUBMB Life</i> , 2000 , 49, 539-44	4.7	135
39	Causes and consequences of damage to mitochondria : study of functional aspects by flow cytometry. <i>Methods in Molecular Medicine</i> , 2000 , 38, 237-44		
38	Free Radicals in Exhaustive Physical Exercise: Mechanism of Production, and Protection by Antioxidants. <i>IUBMB Life</i> , 2000 , 50, 271-277	4.7	130
37	Mitochondria, oxidative stress and aging. <i>Free Radical Research</i> , 2000 , 32, 189-98	4	197
36	Exercise induces oxidative stress in healthy subjects and in chronic obstructive pulmonary disease patients 2000 , 1137-1146		
35	Oxidative damage to mitochondrial DNA and glutathione oxidation in apoptosis: studies in vivo and in vitro. <i>FASEB Journal</i> , 1999 , 13, 1055-64	0.9	151
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2	Cellular Compartmentalization of Glutathione ³⁵⁻⁴⁵		1
1	Disarrangement of Endoplasmic reticulum-mitochondria communication impairs Ca ²⁺ homeostasis in FRDA		1