

# Federico V PallardÃ³

## List of Publications by Year in descending order

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Version: 2024-02-01

199  
papers

14,079  
citations

20759

60  
h-index

22764

112  
g-index

207  
all docs

207  
docs citations

207  
times ranked

16767  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid-rate transcranial magnetic stimulation of left dorsolateral prefrontal cortex in drug-resistant depression. <i>Lancet, The</i> , 1996, 348, 233-237.	6.3	1,102
2	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, 142-149.	2.2	679
3	Mitochondria from females exhibit higher antioxidant gene expression and lower oxidative damage than males. <i>Free Radical Biology and Medicine</i> , 2003, 34, 546-552.	1.3	527
4	Resuscitation With Room Air Instead of 100% Oxygen Prevents Oxidative Stress in Moderately Asphyxiated Term Neonates. <i>Pediatrics</i> , 2001, 107, 642-647.	1.0	395
5	Decreasing xanthine oxidase-mediated oxidative stress prevents useful cellular adaptations to exercise in rats. <i>Journal of Physiology</i> , 2005, 567, 113-120.	1.3	376
6	Xanthine Oxidase Is Involved in Free Radical Production in Type 1 Diabetes: Protection by Allopurinol. <i>Diabetes</i> , 2002, 51, 1118-1124.	0.3	357
7	Mitochondrial Oxidative Stress Plays a Key Role in Aging and Apoptosis. <i>IUBMB Life</i> , 2000, 49, 427-435.	1.5	323
8	Mitochondrial glutathione oxidation correlates with age-associated oxidative damage to mitochondrial DNA. <i>FASEB Journal</i> , 1996, 10, 333-338.	0.2	284
9	The role of mitochondrial oxidative stress in aging. <i>Free Radical Biology and Medicine</i> , 2003, 35, 1-8.	1.3	283
10	A nuclear glutathione cycle within the cell cycle. <i>Biochemical Journal</i> , 2010, 431, 169-178.	1.7	242
11	Mitochondria, oxidative stress and aging. <i>Free Radical Research</i> , 2000, 32, 189-198.	1.5	241
12	17 $\beta$ -oestradiol up-regulates longevity-related, antioxidant enzyme expression via the ERK1 and ERK2[MAPK]/NF $\kappa$ B cascade. <i>Aging Cell</i> , 2005, 4, 113-118.	3.0	240
13	Aging of the liver: Age-associated mitochondrial damage in intact hepatocytes. <i>Hepatology</i> , 1996, 24, 1199-1205.	3.6	210
14	Why females live longer than males? Importance of the upregulation of longevity-associated genes by oestrogenic compounds. <i>FEBS Letters</i> , 2005, 579, 2541-2545.	1.3	208
15	Vitamin E Paradox in Alzheimer's Disease: It Does Not Prevent Loss of Cognition and May Even Be Detrimental. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 143-149.	1.2	198
16	Mitochondrial biogenesis in exercise and in ageing†. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 1369-1374.	6.6	192
17	A Ginkgo Biloba Extract (EGb 761) Prevents Mitochondrial Aging by Protecting Against Oxidative Stress. <i>Free Radical Biology and Medicine</i> , 1998, 24, 298-304.	1.3	180
18	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, 825-838.	2.8	174

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19	Direct antioxidant and protective effect of estradiol on isolated mitochondria. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 205-211.	1.8	173
20	Oxidative damage to mitochondrial DNA and glutathione oxidation in apoptosis: studies <i>in vivo</i> and <i>in vitro</i> . <i>FASEB Journal</i> , 1999, 13, 1055-1064.	0.2	171
21	A High-Performance Liquid Chromatography Method for Measurement of Oxidized Glutathione in Biological Samples. <i>Analytical Biochemistry</i> , 1994, 217, 323-328.	1.1	169
22	AZT treatment induces molecular and ultrastructural oxidative damage to muscle mitochondria. Prevention by antioxidant vitamins.. <i>Journal of Clinical Investigation</i> , 1998, 102, 4-9.	3.9	166
23	Estradiol or genistein prevent Alzheimer's disease-associated inflammation correlating with an increase PPAR $\gamma$ expression in cultured astrocytes. <i>Brain Research</i> , 2010, 1312, 138-144.	1.1	165
24	Glutathione Is Recruited into the Nucleus in Early Phases of Cell Proliferation. <i>Journal of Biological Chemistry</i> , 2007, 282, 20416-20424.	1.6	163
25	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, 539-544.	1.5	154
26	Genistein, a soy isoflavone, up-regulates expression of antioxidant genes: involvement of estrogen receptors, ERK1/2, and NF $\kappa$ B. <i>FASEB Journal</i> , 2006, 20, 2136-2138.	0.2	153
27	Role of nuclear glutathione as a key regulator of cell proliferation. <i>Molecular Aspects of Medicine</i> , 2009, 30, 77-85.	2.7	152
28	[23] Ratio of reduced to oxidized glutathione as indicator of oxidative stress status and DNA damage. <i>Methods in Enzymology</i> , 1999, 299, 267-276.	0.4	150
29	Free Radicals in Exhaustive Physical Exercise: Mechanism of Production, and Protection by Antioxidants. <i>IUBMB Life</i> , 2000, 50, 271-277.	1.5	141
30	Mitochondrial Theory of Aging: Importance to Explain Why Females Live Longer Than Males. <i>Antioxidants and Redox Signaling</i> , 2003, 5, 549-556.	2.5	128
31	Free Radicals in Exhaustive Physical Exercise: Mechanism of Production, and Protection by Antioxidants. <i>IUBMB Life</i> , 2000, 50, 271-277.	1.5	127
32	Ursodeoxycholic acid protects against secondary biliary cirrhosis in rats by preventing mitochondrial oxidative stress. <i>Hepatology</i> , 2004, 39, 711-720.	3.6	127
33	Amyloid- $\beta$ Toxicity and Tau Hyperphosphorylation are Linked Via RCAN1 in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2011, 27, 701-709.	1.2	121
34	Role of mitochondrial oxidative stress to explain the different longevity between genders. Protective effect of estrogens. <i>Free Radical Research</i> , 2006, 40, 1359-1365.	1.5	118
35	Mitochondrial oxidative stress and CD95 ligand: A dual mechanism for hepatocyte apoptosis in chronic alcoholism. <i>Hepatology</i> , 2002, 35, 1205-1214.	3.6	110
36	Oxidative Stress and Mitochondrial Dysfunction across Broad-Ranging Pathologies: Toward Mitochondria-Targeted Clinical Strategies. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-27.	1.9	108

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37	Mitochondrial dysfunction in some oxidative stress-related genetic diseases: Ataxia-Telangiectasia, Down Syndrome, Fanconi Anaemia and Werner Syndrome. <i>Biogerontology</i> , 2010, 11, 401-419.	2.0	106
38	Nuclear glutathione. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3304-3316.	1.1	105
39	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, 936.	2.2	104
40	Allopurinol and Markers of Muscle Damage Among Participants in the Tour de France. <i>JAMA - Journal of the American Medical Association</i> , 2003, 289, 2503-2504.	3.8	101
41	Why Females Live Longer Than Males: Control of Longevity by Sex Hormones. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2005, 2005, pe17-pe17.	0.9	100
42	Oxidative stress in marathon runners: interest of antioxidant supplementation. <i>British Journal of Nutrition</i> , 2006, 96, S31-S33.	1.2	99
43	Mitochondrial Biogenesis in Health and Disease. <i>Molecular and Therapeutic Approaches. Current Pharmaceutical Design</i> , 2014, 20, 5619-5633.	0.9	93
44	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.	2.7	92
45	Xanthine oxidase-induced oxidative stress causes activation of NF- $\kappa$ B and inflammation in the liver of type I diabetic rats. <i>Free Radical Biology and Medicine</i> , 2010, 49, 171-177.	1.3	90
46	The Depletion of Nuclear Glutathione Impairs Cell Proliferation in 3t3 Fibroblasts. <i>PLoS ONE</i> , 2009, 4, e6413.	1.1	89
47	Role of glutathione in the regulation of epigenetic mechanisms in disease. <i>Free Radical Biology and Medicine</i> , 2017, 112, 36-48.	1.3	84
48	Histone H3 Glutathionylation in Proliferating Mammalian Cells Destabilizes Nucleosomal Structure. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 1305-1320.	2.5	83
49	Reversible Axonal Dystrophy by Calcium Modulation in Frataxin-Deficient Sensory Neurons of YG8R Mice. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 264.	1.4	83
50	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, 442-456.	3.9	81
51	Mitochondrial function in liver disease. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 1200.	3.0	81
52	Na <sup>+</sup> dependent glutamate transporters (EAAT1, EAAT2, and EAAT3) in primary astrocyte cultures: effect of oxidative stress. <i>Brain Research</i> , 2001, 922, 21-29.	1.1	79
53	Much More Than a Scaffold: Cytoskeletal Proteins in Neurological Disorders. <i>Cells</i> , 2020, 9, 358.	1.8	79
54	Physical Exercise as an Epigenetic Modulator. <i>Journal of Strength and Conditioning Research</i> , 2012, 26, 3469-3472.	1.0	76

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55	Zidovudine (AZT) causes an oxidation of mitochondrial DNA in mouse liver. <i>Hepatology</i> , 1999, 29, 985-987.	3.6	75
56	Oestradiol or genistein rescues neurons from amyloid beta $\beta$ -induced cell death by inhibiting activation of p38. <i>Aging Cell</i> , 2008, 7, 112-118.	3.0	75
57	Multiple evidence for an early age pro-oxidant state in Down Syndrome patients. <i>Biogerontology</i> , 2006, 7, 211-220.	2.0	70
58	Sepsis and Coronavirus Disease 2019: Common Features and Anti-Inflammatory Therapeutic Approaches. <i>Critical Care Medicine</i> , 2020, 48, 1841-1844.	0.4	70
59	Exercise causes blood glutathione oxidation in chronic obstructive pulmonary disease: prevention by O <sub>2</sub> therapy. <i>Journal of Applied Physiology</i> , 1996, 81, 2199-2202.	1.2	69
60	Glutathione Regulates Telomerase Activity in 3T3 Fibroblasts. <i>Journal of Biological Chemistry</i> , 2004, 279, 34332-34335.	1.6	69
61	Physiological changes in glutathione metabolism in foetal and newborn rat liver. <i>Biochemical Journal</i> , 1991, 274, 891-893.	1.7	68
62	Oxidative stress as a multiple effector in Fanconi anaemia clinical phenotype. <i>European Journal of Haematology</i> , 2005, 75, 93-100.	1.1	65
63	Age-related increase in xanthine oxidase activity in human plasma and rat tissues. <i>Free Radical Research</i> , 2007, 41, 1195-1200.	1.5	61
64	RasGrf1 deficiency delays aging in mice. <i>Aging</i> , 2011, 3, 262-276.	1.4	59
65	Oxidative stress in Fanconi anaemia: from cells and molecules towards prospects in clinical management. <i>Biological Chemistry</i> , 2012, 393, 11-21.	1.2	57
66	AZT induces oxidative damage to cardiac mitochondria: Protective effect of vitamins C and E. <i>Life Sciences</i> , 2004, 76, 47-56.	2.0	56
67	Gender and age-dependent differences in the mitochondrial apoptogenic pathway in Alzheimer's disease. <i>Free Radical Biology and Medicine</i> , 2008, 44, 2019-2025.	1.3	54
68	Epigenetic biomarkers in laboratory diagnostics: emerging approaches and opportunities. <i>Expert Review of Molecular Diagnostics</i> , 2013, 13, 457-471.	1.5	54
69	Sjögren's syndrome-associated oxidative stress and mitochondrial dysfunction: Prospects for chemoprevention trials. <i>Free Radical Research</i> , 2013, 47, 71-73.	1.5	51
70	Role of glutathione in cell nucleus. <i>Free Radical Research</i> , 2010, 44, 721-733.	1.5	50
71	Glutathione, oxidative stress and aging. <i>Age</i> , 1996, 19, 129-139.	3.0	49
72	Antioxidant administration to the mother prevents oxidative stress associated with birth in the neonatal rat. <i>Life Sciences</i> , 1994, 54, 2055-2059.	2.0	48

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73	Modulation of longevity-associated genes by estrogens or phytoestrogens. <i>Biological Chemistry</i> , 2008, 389, 273-277.	1.2	48
74	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, 116-125.	1.8	48
75	Circular RNAs in Sepsis: Biogenesis, Function, and Clinical Significance. <i>Cells</i> , 2020, 9, 1544.	1.8	47
76	[35] Determination of oxidized glutathione in blood: High-performance liquid chromatography. <i>Methods in Enzymology</i> , 1994, 234, 367-371.	0.4	46
77	Epigenetic biomarkers: A new perspective in laboratory diagnostics. <i>Clinica Chimica Acta</i> , 2012, 413, 1576-1582.	0.5	45
78	Gender- and age-related distinctions for the in vivo prooxidant state in Fanconi anaemia patients. <i>Carcinogenesis</i> , 2004, 25, 1899-1909.	1.3	44
79	In vivoprooxidant state in Werner syndrome (WS): Results from three WS patients and two WS heterozygotes. <i>Free Radical Research</i> , 2005, 39, 529-533.	1.5	44
80	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, 167-178.	1.5	44
81	Mitochondrial Damage in Aging and Apoptosis. <i>Annals of the New York Academy of Sciences</i> , 2002, 959, 448-451.	1.8	43
82	Mitochondrial Oxidant Signalling in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2007, 11, 175-181.	1.2	43
83	Free [NADH]/[NAD <sup>+</sup> ] regulates sirtuin expression. <i>Archives of Biochemistry and Biophysics</i> , 2011, 512, 24-29.	1.4	43
84	Reactive Glia-Derived Neuroinflammation: a Novel Hallmark in Lafora Progressive Myoclonus Epilepsy That Progresses with Age. <i>Molecular Neurobiology</i> , 2020, 57, 1607-1621.	1.9	43
85	Multiple Involvement of Oxidative Stress in Werner Syndrome Phenotype. <i>Biogerontology</i> , 2005, 6, 233-243.	2.0	39
86	Increased Oxidative Stress and Impaired Antioxidant Response in Lafora Disease. <i>Molecular Neurobiology</i> , 2015, 51, 932-946.	1.9	39
87	Oxidative Stress, a Crossroad Between Rare Diseases and Neurodegeneration. <i>Antioxidants</i> , 2020, 9, 313.	2.2	39
88	Differential Expression of PGC-1 $\alpha$ and Metabolic Sensors Suggest Age-Dependent Induction of Mitochondrial Biogenesis in Friedreich Ataxia Fibroblasts. <i>PLoS ONE</i> , 2011, 6, e20666.	1.1	39
89	A new mass spectrometry-based method for the quantification of histones in plasma from septic shock patients. <i>Scientific Reports</i> , 2017, 7, 10643.	1.6	38
90	Vitamin A deficiency causes oxidative damage to liver mitochondria in rats. <i>Free Radical Biology and Medicine</i> , 2000, 29, 1-7.	1.3	37

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91	Mitochondrial defects and neuromuscular degeneration caused by altered expression of Drosophila Gdap1: implications for the Charcot-Marie-Tooth neuropathy. <i>Human Molecular Genetics</i> , 2015, 24, 21-36.	1.4	37
92	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.	3.9	37
93	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.	1.7	36
94	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.	1.8	34
95	Oxidative stress-mediated alterations in histone post-translational modifications. <i>Free Radical Biology and Medicine</i> , 2021, 170, 6-18.	1.3	34
96	Vitamin E deficiency induces liver nuclear factor- $\kappa$ B DNA-binding activity and changes in related genes. <i>Free Radical Research</i> , 2005, 39, 1127-1138.	1.5	33
97	Cellular Responses in Human Dental Pulp Stem Cells Treated with Three Endodontic Materials. <i>Stem Cells International</i> , 2017, 2017, 1-14.	1.2	33
98	From genetics to epigenetics to unravel the etiology of adolescent idiopathic scoliosis. <i>Bone</i> , 2020, 140, 115563.	1.4	33
99	PPAR gamma agonist leriglitazone improves frataxin-loss impairments in cellular and animal models of Friedreich Ataxia. <i>Neurobiology of Disease</i> , 2021, 148, 105162.	2.1	33
100	Congenital disorders sharing oxidative stress and cancer proneness as phenotypic hallmarks: prospects for joint research in pharmacology. <i>Medical Hypotheses</i> , 1998, 51, 253-266.	0.8	32
101	Hepatic $\gamma$ -Cystathionase Deficiency in Patients With AIDS. <i>JAMA - Journal of the American Medical Association</i> , 2001, 285, 1444.	3.8	32
102	Effect of Gender on Mitochondrial Toxicity of Alzheimer's A $\beta$ Peptide. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 1677-1690.	2.5	32
103	Effects of cysteine and N-acetyl cysteine on GSH content of brain of adult rats. <i>Experientia</i> , 1983, 39, 164-165.	1.2	30
104	Age-related changes in glutathione synthesis in the eye lens. <i>Biochemical Journal</i> , 1990, 269, 531-534.	1.7	29
105	Late onset administration of oral antioxidants prevents age-related loss of motor co-ordination and brain mitochondrial DNA damage. <i>Free Radical Research</i> , 1998, 29, 617-623.	1.5	29
106	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, 734-739.	1.1	29
107	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.	1.6	29
108	Circulating miRNAs as diagnostic biomarkers for adolescent idiopathic scoliosis. <i>Scientific Reports</i> , 2018, 8, 2646.	1.6	29

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109	Thioredoxin and Glutaredoxin Systems as Potential Targets for the Development of New Treatments in Friedreich's Ataxia. <i>Antioxidants</i> , 2020, 9, 1257.	2.2	29
110	Glutathione depletion by hyperphagia-induced obesity. <i>Life Sciences</i> , 1989, 45, 183-187.	2.0	28
111	Histone carbonylation occurs in proliferating cells. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1453-1464.	1.3	28
112	Oxidative stress, a new hallmark in the pathophysiology of Lafora progressive myoclonus epilepsy. <i>Free Radical Biology and Medicine</i> , 2015, 88, 30-41.	1.3	28
113	Age-associated oxidative damage leads to absence of $\beta$ -cystathionase in over 50% of rat lenses: Relevance in cataractogenesis. <i>Free Radical Biology and Medicine</i> , 2005, 38, 575-582.	1.3	27
114	A <i>Drosophila</i> 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.	1.8	26
115	Maintenance of glutathione levels and its importance in epigenetic regulation. <i>Frontiers in Pharmacology</i> , 2014, 5, 88.	1.6	25
116	Acute telomerase components depletion triggers oxidative stress as an early event previous to telomeric shortening. <i>Redox Biology</i> , 2018, 14, 398-408.	3.9	25
117	Weaning induces NOS-2 expression through NF- $\kappa$ B modulation in the lactating mammary gland: importance of GSH. <i>Biochemical Journal</i> , 2005, 391, 581-588.	1.7	24
118	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.	1.3	24
119	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, 118-125.	1.3	24
120	Epigenetic biomarkers for human sepsis and septic shock: insights from immunosuppression. <i>Epigenomics</i> , 2020, 12, 617-646.	1.0	24
121	Effect of intermittent hypoxia on hematological parameters after recombinant human erythropoietin administration. <i>European Journal of Applied Physiology</i> , 2009, 107, 429-436.	1.2	23
122	Small RNA-seq analysis of circulating miRNAs to identify phenotypic variability in Friedreich's ataxia patients. <i>Scientific Data</i> , 2018, 5, 180021.	2.4	23
123	Relaxant effects of antidepressants on human isolated mesenteric arteries. <i>British Journal of Clinical Pharmacology</i> , 1999, 48, 223-229.	1.1	22
124	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, 293-298.	1.5	22
125	miR-1226 detection in GCF as potential biomarker of chronic periodontitis: A pilot study. <i>Medicina Oral, Patologia Oral Y Cirugia Bucal</i> , 2018, 23, 0-0.	0.7	22
126	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.	3.9	22



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127	Comparison of the flux of carbon to hepatic glycogen deposition and fatty acid and cholesterol synthesis on refeeding rats fed <i>ad libitum</i> or meal-fed rats with a chow-diet meal. <i>Biochemical Journal</i> , 1989, 257, 607-610.	1.7	21
128	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.	1.1	21
129	Role of microRNAs As Biomarkers in Sepsis-Associated Encephalopathy. <i>Molecular Neurobiology</i> , 2021, 58, 4682-4693.	1.9	21
130	Oxidative stress and mitochondrial dysfunction in Kindler syndrome. <i>Orphanet Journal of Rare Diseases</i> , 2014, 9, 211.	1.2	20
131	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, 20169-20208.	1.8	20
132	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, 2094-2110.	2.5	20
133	Effect of aging on metabolic zonation in rat liver: Acinar distribution of GSH metabolism. <i>Mechanisms of Ageing and Development</i> , 1992, 62, 181-190.	2.2	19
134	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, 825-834.	1.7	19
135	Bone marrow cell transcripts from Fanconi anaemia patients reveal <i>in vivo</i> alterations in mitochondrial, redox and DNA repair pathways. <i>European Journal of Haematology</i> , 2013, 91, 141-151.	1.1	19
136	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.	1.6	19
137	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, 7060.	1.8	19
138	Oxidative stress and antioxidant response in fibroblasts from Werner and Atypical Werner Syndromes. <i>Aging</i> , 2014, 6, 231-245.	1.4	19
139	Glutamate cysteine ligase up-regulation fails in necrotizing pancreatitis. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1599-1609.	1.3	18
140	Therapeutic Strategies Targeting Mitochondrial Calcium Signaling: A New Hope for Neurological Diseases?. <i>Antioxidants</i> , 2022, 11, 165.	2.2	18
141	Effect of pinealectomy and circadian rhythm on avoidance behavior in the male rat. <i>Physiology and Behavior</i> , 1985, 34, 327-333.	1.0	17
142	miRNA-23b as a biomarker of culture-positive neonatal sepsis. <i>Molecular Medicine</i> , 2020, 26, 94.	1.9	17
143	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.	1.6	17
144	Non-coding RNAs and Coronary Artery Disease. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1229, 273-285.	0.8	16

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145	Glutathione levels in blood from ataxia telangiectasia patients suggest in vivo adaptive mechanisms to oxidative stress. <i>Clinical Biochemistry</i> , 2007, 40, 666-670.	0.8	15
146	Epigenetic Regulation in the Pathogenesis of Sjögren Syndrome and Rheumatoid Arthritis. <i>Frontiers in Genetics</i> , 2019, 10, 1104.	1.1	15
147	Dependence of hepatic gluconeogenesis on PO <sub>2</sub> : inhibitory effects of halothane. <i>Journal of Applied Physiology</i> , 1987, 63, 1776-1780.	1.2	14
148	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, 1147-1156.	1.2	14
149	Picamilast inhibits the pro-apoptotic and anti-proliferative responses of A549 cells exposed to H <sub>2</sub> O <sub>2</sub> via mechanisms involving AP-1 activation. <i>Free Radical Research</i> , 2012, 46, 690-699.	1.5	14
150	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.	1.3	14
151	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.	2.2	14
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