DarÃ-o AcuÃ±a-castroviejo

List of Publications by Year
in descending order

177 papers	12,924 citations	19477 61 h-index	27257 107 g-index
195 all docs	195 docs citations	195 times ranked	12384 citing authors

#	Article	IF	Citations
1	iMSâ€Bmal1^{â^'/â^'} mice show evident signs of sarcopenia that are counteracted by exercise and melatonin therapies. Journal of Pineal Research, 2024, 76, .	7.7	4
2	Changes in Cortisol and in Oxidative/Nitrosative Stress Indicators after ADHD Treatment. Antioxidants, 2024, 13, 92.	5.2	2
3	Zebrafish as a Human Muscle Model for Studying Age-Dependent Sarcopenia and Frailty. International Journal of Molecular Sciences, 2024, 25, 6166.	4.2	0
4	Inflamma-miRs Profile in Myelodysplastic Syndrome Patients. International Journal of Molecular Sciences, 2024, 25, 6784.	4.2	0
5	Differences in the Interleukin Profiles in Inattentive ADHD Prepubertal Children Are Probably Related to Conduct Disorder Comorbidity. Biomedicines, 2024, 12, 1818.	3.3	0
6	Differences in Diet Assessment and Body Composition among Young Spanish Elite Footballers: Morning Training vs. Evening Training. Applied Sciences (Switzerland), 2024, 14, 8787.	2.6	0
7	A phase II, singleâ€center, doubleâ€blind, randomized placeboâ€controlled trial to explore the efficacy and safety of intravenous melatonin in surgical patients with severe sepsis admitted to the intensive care unit. Journal of Pineal Research, 2023, 74, .	7.7	6
8	Role of Melatonin in Cancer: Effect on Clock Genes. International Journal of Molecular Sciences, 2023, 24, 1919.	4.2	11
9	Chronodisruption and Loss of Melatonin Rhythm, Associated with Alterations in Daily Motor Activity and Mitochondrial Dynamics in Parkinsonian Zebrafish, Are Corrected by Melatonin Treatment. Antioxidants, 2023, 12, 954.	5.2	3
10	Insights into the Role of Plasmatic and Exosomal microRNAs in Oxidative Stress-Related Metabolic Diseases. Antioxidants, 2023, 12, 1290.	5.2	5
11	The Relationship between Clock Genes, Sirtuin 1, and Mitochondrial Activity in Head and Neck Squamous Cell Cancer: Effects of Melatonin Treatment. International Journal of Molecular Sciences, 2023, 24, 15030.	4.2	2
12	From Chronodisruption to Sarcopenia: The Therapeutic Potential of Melatonin. Biomolecules, 2023, 13, 1779.	4.2	1
13	Harbingers of hope: Scientists and the pursuit of world peace. Clinical Psychology in Europe, 2023, 5, .	1.2	1
14	Effect of 5-Azacitidine Treatment on Redox Status and Inflammatory Condition in MDS Patients. Antioxidants, 2022, 11, 139.	5.2	3
15	Impact of sound levels on physiological and consciousness state of cardiovascular patients. Nursing in Critical Care, 2022, 27, 240-250.	2.5	4
16	Scientists Against War: A Plea to World Leaders for Better Governance. Sleep and Vigilance, 2022, 6, 1-6.	0.8	6
17	Age and Chronodisruption in Mouse Heart: Effect of the NLRP3 Inflammasome and Melatonin Therapy. International Journal of Molecular Sciences, 2022, 23, 6846.	4.2	9
18	The Zebrafish, an Outstanding Model for Biomedical Research in the Field of Melatonin and Human Diseases. International Journal of Molecular Sciences, 2022, 23, 7438.	4.2	13

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19	Understanding the Mechanism of Action of Melatonin, Which Induces ROS Production in Cancer Cells. Antioxidants, 2022, 11, 1621.	5.2	26
20	Melatonin drives apoptosis in head and neck cancer by increasing mitochondrial ROS generated via reverse electron transport. Journal of Pineal Research, 2022, 73, .	7.7	35
21	Role of c-miR-21, c-miR-126, Redox Status, and Inflammatory Conditions as Potential Predictors of Vascular Damage in T2DM Patients. Antioxidants, 2022, 11, 1675.	5.2	7
22	Melatonin alleviates sepsis-induced heart injury through activating the Nrf2 pathway and inhibiting the NLRP3 inflammasome. Naunyn-Schmiedeberg's Archives of Pharmacology, 2021, 394, 261-277.	3.1	34
23	The Impact of Melatonin and NLRP3 Inflammasome on the Expression of microRNAs in Aged Muscle. Antioxidants, 2021, 10, 524.	5.2	17
24	Melatonin Targets Metabolism in Head and Neck Cancer Cells by Regulating Mitochondrial Structure and Function. Antioxidants, 2021, 10, 603.	5.2	25
25	Organophosphate pesticide exposure, hormone levels, and interaction with PON1 polymorphisms in male adolescents. Science of the Total Environment, 2021, 769, 144563.	8.2	20
26	The Impact of Melatonin Supplementation and NLRP3 Inflammasome Deletion on Age-Accompanied Cardiac Damage. Antioxidants, 2021, 10, 1269.	5.2	9
27	Î²-RA Targets Mitochondrial Metabolism and Adipogenesis, Leading to Therapeutic Benefits against CoQ Deficiency and Age-Related Overweight. Biomedicines, 2021, 9, 1457.	3.3	11
28	Daily Changes in the Expression of Clock Genes in Sepsis and Their Relation with Sepsis Outcome and Urinary Excretion of 6-Sulfatoximelatonin. Shock, 2020, 53, 550-559.	2.1	24
29	Melatonin/Nrf2/NLRP3 Connection in Mouse Heart Mitochondria during Aging. Antioxidants, 2020, 9, 1187.	5.2	36
30	Clinical trial to test the efficacy of melatonin in COVIDâ€19. Journal of Pineal Research, 2020, 69, e12683.	7.7	65
31	A phase II, single-center, double-blind, randomized placebo-controlled trial to explore the efficacy and safety of intravenous melatonin in patients with COVID-19 admitted to the intensive care unit (MelCOVID study): a structured summary of a study protocol for a randomized controlled trial. Trials, 2020, 21, 699.	1.7	25
32	Environment-Sensitive Probes for Illuminating Amyloid Aggregation In Vitro and in Zebrafish. ACS Sensors, 2020, 5, 2792-2799.	8.1	22
33	Retinoid-related orphan nuclear receptor alpha (RORÎ±)-deficient mice display morphological testicular defects. Laboratory Investigation, 2019, 99, 1835-1849.	3.9	12
34	Protective Effects of Melatonin on the Skin: Future Perspectives. International Journal of Molecular Sciences, 2019, 20, 4948.	4.2	63
35	Involvement of plasma miRNAs, muscle miRNAs and mitochondrial miRNAs in the pathophysiology of frailty. Experimental Gerontology, 2019, 124, 110637.	2.9	37
36	Rapamycin administration is not a valid therapeutic strategy for every case of mitochondrial disease. EBioMedicine, 2019, 42, 511-523.	6.0	31

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37	Lack of NLRP3 Inflammasome Activation Reduces Age-Dependent Sarcopenia and Mitochondrial Dysfunction, Favoring the Prophylactic Effect of Melatonin. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1699-1708.	3.7	43
38	Melatonin Enhances Cisplatin and Radiation Cytotoxicity in Head and Neck Squamous Cell Carcinoma by Stimulating Mitochondrial ROS Generation, Apoptosis, and Autophagy. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-12.	4.1	69
39	Î²â€•<scp>RA</scp> reduces <scp>DMQ</scp> /CoQ ratio and rescues the encephalopathic phenotype in Coq9 ^{R239X} mice. EMBO Molecular Medicine, 2019, 11, .	7.3	34
40	Combination of melatonin and rapamycin for head and neck cancer therapy: Suppression of <scp>AKT</scp>/<scp>mTOR</scp> pathway activation, and activation of mitophagy and apoptosis via mitochondrial function regulation. Journal of Pineal Research, 2018, 64, e12461.	7.7	140
41	The Protective Effect of Melatonin Against Age-Associated, Sarcopenia-Dependent Tubular Aggregate Formation, Lactate Depletion, and Mitochondrial Changes. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1330-1338.	3.7	34
42	In VivoDetermination of Mitochondrial Respiration in 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine-Treated Zebrafish Reveals the Efficacy of Melatonin in Restoring Mitochondrial Normalcy. Zebrafish, 2018, 15, 15-26.	1.2	14
43	Reduction in the levels of CoQ biosynthetic proteins is related to an increase in lifespan without evidence of hepatic mitohormesis. Scientific Reports, 2018, 8, 14013.	3.4	9
44	Targeting NLRP3 (Nucleotide-Binding Domain, Leucine-Richâ€“Containing Family, Pyrin) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (D Vascular Biology, 2018, 38, 2765-2779.	4.7	51
45	Cardiometabolic impact of changing internal time during daylight saving time: a window for a deleterious role within sleep-related breathing disorders. Internal and Emergency Medicine, 2018, 13, 1345-1346.	2.2	7
46	Analysis of Plasma MicroRNAs as Predictors and Biomarkers of Aging and Frailty in Humans. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-9.	4.1	55
47	Melatonin Mitigates Mitochondrial Meltdown: Interactions with SIRT3. International Journal of Molecular Sciences, 2018, 19, 2439.	4.2	87
48	The Melatonin Analog IQM316 May Induce Adult Hippocampal Neurogenesis and Preserve Recognition Memories in Mice. Cell Transplantation, 2018, 27, 423-437.	2.6	19
49	Melatonin actions in the heart; more than a hormone. Melatonin Research, 2018, 1, 21-26.	1.1	27
50	Contribution of inducible and neuronal nitric oxide synthases to mitochondrial damage and melatonin rescue in LPS-treated mice. Journal of Physiology and Biochemistry, 2017, 73, 235-244.	3.1	26
51	The benefit of a supplement with the antioxidant melatonin on redox status and muscle damage in resistance-trained athletes. Applied Physiology, Nutrition and Metabolism, 2017, 42, 700-707.	2.1	42
52	Melatonin enhances neural stem cell differentiation and engraftment by increasing mitochondrial function. Journal of Pineal Research, 2017, 63, e12415.	7.7	86
53	Melatonin administration to wildâ€type mice and nontreated <scp>NLRP</scp>3 mutant mice share similar inhibition of the inflammatory response during sepsis. Journal of Pineal Research, 2017, 63, e12410.	7.7	90
54	CoQ deficiency causes disruption of mitochondrial sulfide oxidation, a new pathomechanism associated with this syndrome. EMBO Molecular Medicine, 2017, 9, 78-95.	7.3	63

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55	Melatonin, clock genes and mitochondria in sepsis. Cellular and Molecular Life Sciences, 2017, 74, 3965-3987.	5.5	88
56	Effect of Melatonin Supplementation on Antioxidant Status and DNA Damage in High Intensity Trained Athletes. International Journal of Sports Medicine, 2017, 38, 1117-1125.	1.9	42
57	Melatonin, a Full Service Anti-Cancer Agent: Inhibition of Initiation, Progression and Metastasis. International Journal of Molecular Sciences, 2017, 18, 843.	4.2	353
58	Melatonin Treatment Reduces Oxidative Damage and Normalizes Plasma Pro-Inflammatory Cytokines in Patients Suffering from Charcot-Marie-Tooth Neuropathy: A Pilot Study in Three Children. Molecules, 2017, 22, 1728.	3.9	25
59	Oral Mucositis: Melatonin Gel an Effective New Treatment. International Journal of Molecular Sciences, 2017, 18, 1003.	4.2	39
60	Genetic dissection of endothelial transcriptional activity of zebrafish aryl hydrocarbon receptors (AHRs). PLoS ONE, 2017, 12, e0183433.	2.5	12
61	Melatonin protects rats from radiotherapy-induced small intestine toxicity. PLoS ONE, 2017, 12, e0174474.	2.5	89
62	Mitochondrial impairment and melatonin protection in parkinsonian mice do not depend of inducible or neuronal nitric oxide synthases. PLoS ONE, 2017, 12, e0183090.	2.5	34
63	Prophylactic Role of Oral Melatonin Administration on Neurogenesis in Adult Balb/C Mice during REM Sleep Deprivation. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	4.1	14
64	Same molecule but different expression: aging and sepsis trigger NLRP3 inflammasome activation, a target of melatonin. Journal of Pineal Research, 2016, 60, 193-205.	7.7	127
65	Permeabilized myocardial fibers as model to detect mitochondrial dysfunction during sepsis and melatonin effects without disruption of mitochondrial network. Mitochondrion, 2016, 27, 56-63.	3.6	31
66	Synthesis of oxadiazoline and quinazolinone derivatives and their biological evaluation as nitric oxide synthase inhibitors. Medicinal Chemistry Research, 2016, 25, 1260-1273.	2.5	1
67	Identification of morphological markers of sarcopenia at early stage of aging in skeletal muscle of mice. Experimental Gerontology, 2016, 83, 22-30.	2.9	58
68	Alteration of Biological Rhythms in Diseases of the Central Dopaminergic System: Focus on Parkinsonâ€™s Disease. , 2016, , 91-114.		0
69	Preliminary evidence suggesting that nonmetallic and metallic nanoparticle devices protect against the effects of environmental electromagnetic radiation by reducing oxidative stress and inflammatory status. European Journal of Integrative Medicine, 2016, 8, 835-840.	1.8	3
70	Melatonin rescues zebrafish embryos from the parkinsonian phenotype restoring the parkin/<scp>PINK</scp>1/<scp>DJ</scp>â€1/<scp>MUL</scp>1 network. Journal of Pineal Research, 2016, 61, 96-107.	7.7	67
71	The clinical heterogeneity of coenzyme Q₁₀ deficiency results from genotypic differences in the Coq9 gene. EMBO Molecular Medicine, 2015, 7, 670-687.	7.3	80
72	Fluorination Effects on NOS Inhibitory Activity of Pyrazoles Related to Curcumin. Molecules, 2015, 20, 15643-15665.	3.9	20

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73	Disruption of the NF-Î¹B/NLRP3 connection by melatonin requires retinoid-related orphan receptor-Î± and blocks the septic response in mice. FASEB Journal, 2015, 29, 3863-3875.	0.5	200
74	Synthesis, structure and biological activity of 3(5)-trifluoromethyl-1H-pyrazoles derived from hemicurcuminoids. Journal of Molecular Structure, 2015, 1100, 518-529.	3.7	16
75	Comment on â€œSerum melatonin levels are associated with mortality in severe septic patientsâ€•by Lorente et al., J Crit Care (2015), http://dx.doi.org/10.1016/j.jcrc.2015.03.023. Journal of Critical Care, 2015, 30, 1133.	2.3	1
76	Protective effects of melatonin against oxidative damage induced by Egyptian cobra (Naja haje) crude venom in rats. Acta Tropica, 2015, 143, 58-65.	2.0	27
77	Identification of mitochondrial deficits and melatonin targets in liver of septic mice by high-resolution respirometry. Life Sciences, 2015, 121, 158-165.	4.4	23
78	Melatonin blunts the mitochondrial/<scp>NLRP</scp>3 connection and protects against radiationâ€•induced oral mucositis. Journal of Pineal Research, 2015, 58, 34-49.	7.7	124
79	Ageâ€•related changes in mitochondrial function of mouse colonic smooth muscle: beneficial effects of melatonin. Journal of Pineal Research, 2014, 56, 163-174.	7.7	15
80	The beneficial effects of melatonin against heart mitochondrial impairment during sepsis: inhibition of i<scp><scp>NOS</scp></scp> and preservation of n<scp><scp>NOS</scp></scp>. Journal of Pineal Research, 2014, 56, 71-81.	7.7	73
81	Extrapineal melatonin: sources, regulation, and potential functions. Cellular and Molecular Life Sciences, 2014, 71, 2997-3025.	5.5	812
82	Redox status and antioxidant response in professional cyclists during training. European Journal of Sport Science, 2014, 14, 830-838.	2.6	21
83	Melatonin and metabolic regulation: a review. Food and Function, 2014, 5, 2806-2832.	4.6	60
84	Ubiquinol-10 ameliorates mitochondrial encephalopathy associated with CoQ deficiency. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 893-901.	3.8	58
85	A review of the melatonin functions in zebrafish physiology. Journal of Pineal Research, 2014, 57, 1-9.	7.7	62
86	Melatonin in Parkinsonâ€™s Disease and Its Therapeutic Potential. , 2014, , 249-261.		3
87	Mitochondria and chloroplasts as the original sites of melatonin synthesis: a hypothesis related to melatonin's primary function and evolution in eukaryotes. Journal of Pineal Research, 2013, 54, 127-138.	7.7	465
88	Changes in the redox status and inflammatory response in handball players during one-year of competition and training. Journal of Sports Sciences, 2013, 31, 1197-1207.	2.0	17
89	Dysfunctional Coq9 protein causes predominant encephalomyopathy associated with CoQ deficiency. Human Molecular Genetics, 2013, 22, 1233-1248.	3.0	93
90	Analysis of the daily changes of melatonin receptors in the rat liver. Journal of Pineal Research, 2013, 54, 313-321.	7.7	67

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91	Synthesis and biological evaluation of 4,5-dihydro-1H-pyrazole derivatives as potential nNOS/iNOS selective inhibitors. Part 2: Influence of diverse substituents in both the phenyl moiety and the acyl group. Bioorganic and Medicinal Chemistry, 2013, 21, 4132-4142.	3.1	13
92	Beneficial effect of melatonin treatment on age-related insulin resistance and on the development of type 2 diabetes. Hormone Molecular Biology and Clinical Investigation, 2013, 16, 47-54.	0.8	16
93	Early gender differences in the redox status of the brain mitochondria with age: effects of melatonin therapy. Hormone Molecular Biology and Clinical Investigation, 2013, 16, 91-100.	0.8	18
94	Argan Oil-contained Antioxidants for Human Mitochondria. Natural Product Communications, 2013, 8, 1934578X1300800.	0.5	10
95	Melatonin in Antinociception: Its Therapeutic Applications. Current Neuropharmacology, 2012, 10, 167-178.	3.0	97
96	Learning capabilities and CA1-prefrontal synaptic plasticity in a mice model of accelerated senescence. Neurobiology of Aging, 2012, 33, 627.e13-627.e26.	3.2	29
97	Melatonin plus physical exercise are highly neuroprotective in the 3xTg-AD mouse. Neurobiology of Aging, 2012, 33, 1124.e13-1124.e29.	3.2	87
98	Agomelatine in Depressive Disorders: Its Novel Mechanisms of Action. Journal of Neuropsychiatry and Clinical Neurosciences, 2012, 24, 290-308.	2.0	41
99	Age-related changes in the rat brain mitochondrial antioxidative enzyme ratios: Modulation by melatonin. Experimental Gerontology, 2012, 47, 706-711.	2.9	37
100	Accumulation of Exogenous Amyloid-BetaPeptide in Hippocampal Mitochondria Causes Their Dysfunction: A Protective Role for Melatonin. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-15.	4.1	59
101	Melatonin protects lung mitochondria from aging. Age, 2012, 34, 681-692.	2.9	41
102	Exercise and melatonin in humans: reciprocal benefits. Journal of Pineal Research, 2012, 52, 1-11.	7.7	112
103	Extrapineal melatonin: analysis of its subcellular distribution and daily fluctuations. Journal of Pineal Research, 2012, 52, 217-227.	7.7	502
104	Alzheimerâ€™s disease: pathological mechanisms and the beneficial role of melatonin. Journal of Pineal Research, 2012, 52, 167-202.	7.7	265
105	1,3,4-Thiadiazole derivatives as selective inhibitors of iNOS versus nNOS: Synthesis and structure-activity dependence. European Journal of Medicinal Chemistry, 2012, 50, 129-139.	5.7	14
106	Mitochondrial DNA and inflammatory diseases. Human Genetics, 2012, 131, 161-173.	3.8	88
107	Determination of Coenzyme Q₁₀, Coenzyme Q₉, and Melatonin Contents in Virgin Argan Oils: Comparison with Other Edible Vegetable Oils. Journal of Agricultural and Food Chemistry, 2011, 59, 12102-12108.	5.3	30
108	Protective effects of synthetic kynurenines on 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced parkinsonism in mice. Brain Research Bulletin, 2011, 85, 133-140.	3.1	18

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109	Prefrontal cortex, caloric restriction and stress during aging: Studies on dopamine and acetylcholine release, BDNF and working memory. Behavioural Brain Research, 2011, 216, 136-145.	2.3	52
110	Synergism between melatonin and atorvastatin against endothelial cell damage induced by lipopolysaccharide. Journal of Pineal Research, 2011, 51, 324-330.	7.7	33
111	Î²â€globin gene cluster haplotypes in sickle cell patients from PanamÃ¡. American Journal of Human Biology, 2011, 23, 377-380.	1.7	14
112	Melatonin treatment counteracts the hyperoxidative status in erythrocytes of patients suffering from Duchenne muscular dystrophy. Clinical Biochemistry, 2011, 44, 853-858.	2.0	37
113	Synthesis and biological evaluation of indazole derivatives. European Journal of Medicinal Chemistry, 2011, 46, 1439-1447.	5.7	22
114	The Role of Mitochondria in Brain Aging and the Effects of Melatonin. Current Neuropharmacology, 2010, 8, 182-193.	3.0	52
115	Pharmacological utility of melatonin in the treatment of septic shock: experimental and clinical evidence. Journal of Pharmacy and Pharmacology, 2010, 58, 1153-1165.	2.6	99
116	Oxidative stress status, clinical outcome, and Î²â€globin gene cluster haplotypes in pediatric patients with sickle cell disease. European Journal of Haematology, 2010, 85, 529-537.	2.2	44
117	Melatonin treatment normalizes plasma proâ€inflammatory cytokines and nitrosative/oxidative stress in patients suffering from Duchenne muscular dystrophy. Journal of Pineal Research, 2010, 48, 282-289.	7.7	132
118	Beneficial effects of melatonin on cardiological alterations in a murine model of accelerated aging. Journal of Pineal Research, 2010, 49, 312-320.	7.7	50
119	Antioxidant defence and inflammatory response in professional road cyclists during a 4-day competition. Journal of Sports Sciences, 2010, 28, 1047-1056.	2.0	27
120	Mitochondrial Disorders Therapy: The Utility of Melatonin. The Open Biology Journal, 2010, 3, 53-65.	0.5	3
121	Melatonin and its brain metabolite N¹â€acetylâ€5â€methoxykynuramine prevent mitochondrial nitric oxide synthase induction in parkinsonian mice. Journal of Neuroscience Research, 2009, 87, 3002-3010.	3.0	107
122	Phenylpyrrole derivatives as neural and inducible nitric oxide synthase (nNOS and iNOS) inhibitors. European Journal of Medicinal Chemistry, 2009, 44, 2655-2666.	5.7	25
123	Longâ€term melatonin administration protects brain mitochondria from aging. Journal of Pineal Research, 2009, 47, 192-200.	7.7	123
124	Fluorinated indazoles as novel selective inhibitors of nitric oxide synthase (NOS): Synthesis and biological evaluation. Bioorganic and Medicinal Chemistry, 2009, 17, 6180-6187.	3.1	47
125	Modification of Nitric Oxide Synthase Activity and Neuronal Response in Rat Striatum by Melatonin and Kynurenine Derivatives. Journal of Neuroendocrinology, 2008, 10, 297-302.	2.6	62
126	Pyrazoles and pyrazolines as neural and inducible nitric oxide synthase (nNOS and iNOS) potential inhibitors (III). European Journal of Medicinal Chemistry, 2008, 43, 2579-2591.	5.7	45

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127	Improved mitochondrial function and increased life span after chronic melatonin treatment in senescent prone mice. Experimental Gerontology, 2008, 43, 749-756.	2.9	88
128	Chronic melatonin treatment prevents age-dependent cardiac mitochondrial dysfunction in senescence-accelerated mice. Free Radical Research, 2007, 41, 15-24.	3.3	99
129	A new guest playing with bone and fat. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R2206-R2207.	1.9	4
130	Melatonin: Potential Functions in the Oral Cavity. Journal of Periodontology, 2007, 78, 1094-1102.	3.6	106
131	Local Application of Melatonin Into Alveolar Sockets of Beagle Dogs Reduces Tooth Removalâ€“Induced Oxidative Stress. Journal of Periodontology, 2007, 78, 576-583.	3.6	54
132	Chronic melatonin treatment reduces the age-dependent inflammatory process in senescence-accelerated mice. Journal of Pineal Research, 2007, 42, 272-279.	7.7	121
133	Cellular mechanisms involved in the melatonin inhibition of HT-29 human colon cancer cell proliferation in culture. Journal of Pineal Research, 2007, 43, 195-205.	7.7	104
134	Melatonin therapy in fibromyalgia. Current Pain and Headache Reports, 2007, 11, 339-342.	2.9	39
135	Melatonin role in the mitochondrial function. Frontiers in Bioscience - Landmark, 2007, 12, 947.	3.1	131
136	Oxidative damage in the livers of senescence-accelerated mice: a gender-related response. Canadian Journal of Physiology and Pharmacology, 2006, 84, 213-220.	1.5	17
137	Relationship Between Salivary Melatonin and Severity of Periodontal Disease. Journal of Periodontology, 2006, 77, 1533-1538.	3.6	71
138	Identification of an inducible nitric oxide synthase in diaphragm mitochondria from septic miceIts relation with mitochondrial dysfunction and prevention by melatonin. International Journal of Biochemistry and Cell Biology, 2006, 38, 267-278.	2.9	101
139	Inhibition of neuronal nitric oxide synthase activity by N¹â€acetylâ€5â€methoxykynuramine, a brain metabolite of melatonin. Journal of Neurochemistry, 2006, 98, 2023-2033.	4.0	146
140	Parameters of oxidative stress in saliva from diabetic and parenteral drug addict patients. Journal of Oral Pathology and Medicine, 2006, 35, 554-559.	2.7	68
141	Melatonin counteracts inducible mitochondrial nitric oxide synthase-dependent mitochondrial dysfunction in skeletal muscle of septic mice. Journal of Pineal Research, 2006, 40, 71-78.	7.7	130
142	Inhibition of the cdk5/p25 fragment formation may explain the antiapoptotic effects of melatonin in an experimental model of Parkinson's disease. Journal of Pineal Research, 2006, 40, 251-258.	7.7	69
143	Melatonin reduces oxidative stress in erythrocytes and plasma of senescence-accelerated mice. Journal of Pineal Research, 2006, 41, 142-149.	7.7	37
144	Age-dependent lipopolysaccharide-induced iNOS expression and multiorgan failure in rats: Effects of melatonin treatment. Experimental Gerontology, 2006, 41, 1165-1173.	2.9	54

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145	Melatonin and Nitric Oxide: Two Required Antagonists for Mitochondrial Homeostasis. Endocrine, 2005, 27, 159-168.	2.2	54
146	Melatonin mitigates mitochondrial malfunction. Journal of Pineal Research, 2005, 38, 1-9.	7.7	471
147	Selective CCK-A but not CCK-B receptor antagonists inhibit HT-29 cell proliferation: synergism with pharmacological levels of melatonin. Journal of Pineal Research, 2005, 39, 243-250.	7.7	30
148	Hyperphosphorylation of microtubule-associated protein tau in senescence-accelerated mouse (SAM). Mechanisms of Ageing and Development, 2005, 126, 1300-1304.	4.6	130
149	Kynurenamines as Neural Nitric Oxide Synthase Inhibitors. Journal of Medicinal Chemistry, 2005, 48, 8174-8181.	6.6	47
150	Effects of some synthetic kynurenines on brain amino acids and nitric oxide after pentylenetetrazole administration to rats. Journal of Pineal Research, 2004, 36, 267-277.	7.7	4
151	4,5-Dihydro-1H-pyrazole Derivatives with Inhibitory nNOS Activity in Rat Brain:Â Synthesis and Structureâ"Activity Relationships. Journal of Medicinal Chemistry, 2004, 47, 5641-5650.	6.6	63
152	Melatonin and mitochondrial function. Life Sciences, 2004, 75, 765-790.	4.4	293
153	Changes in iNOS activity, oxidative stress and melatonin levels in hypertensive patients treated with lacidipine. Journal of Hypertension, 2004, 22, 629-635.	0.5	29
154	Characterization of melatonin high-affinity binding sites in purified cell nuclei of the hamster (Mesocricetus auratus) harderian gland. Journal of Pineal Research, 2003, 34, 202-207.	7.7	10
155	Specific binding of melatonin to purified cell nuclei from mammary gland of swiss mice: dayâ€"night variations and effect of continuous light. Journal of Pineal Research, 2003, 34, 297-301.	7.7	8
156	Changes in brain amino acids and nitric oxide after melatonin administration in rats with pentylenetetrazole-induced seizures. Journal of Pineal Research, 2003, 35, 54-60.	7.7	58
157	Relationship between salivary melatonin levels and periodontal status in diabetic patients. Journal of Pineal Research, 2003, 35, 239-244.	7.7	55
158	Synergistic effects of melatonin and deprenyl against MPTP-induced mitochondrial damage and DA depletion. Neurobiology of Aging, 2003, 24, 491-500.	3.2	72
159	Melatonin counteracts lipopolysaccharideâ€induced expression and activity of mitochondrial nitric oxide synthase in rats. FASEB Journal, 2003, 17, 1-22.	0.5	167
160	Mitochondrial regulation by melatonin And its metabolites. Advances in Experimental Medicine and Biology, 2003, 527, 549-557.	0.0	123
161	Inhibition of nNOS Activity in Rat Brain by Synthetic Kynurenines:â€‰ Structureâ"Activity Dependence. Journal of Medicinal Chemistry, 2002, 45, 263-274.	6.6	30
162	Evaluation of plasma levels of melatonin after midazolam or sodium thiopental anesthesia in children. Journal of Pineal Research, 2002, 32, 253-256.	7.7	6

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163	Melatonin, mitochondria, and cellular bioenergetics. Journal of Pineal Research, 2001, 30, 65-74.	7.7	356
164	Structure-Related Inhibition of Calmodulin-Dependent Neuronal Nitric-Oxide Synthase Activity by Melatonin and Synthetic Kynurenines. Molecular Pharmacology, 2000, 58, 967-975.	2.3	128
165	Melatonin but not vitamins C and E maintains glutathione homeostasis in tâ€butyl hydroperoxideâ€induced mitochondrial oxidative stress. FASEB Journal, 2000, 14, 1677-1679.	0.5	323
166	Melatonin inhibits expression of the inducible NO synthase II in liver and lung and prevents endotoxemia in lipopolysaccharideâ€induced multiple organ dysfunction syndrome in rats. FASEB Journal, 1999, 13, 1537-1546.	0.5	265
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