Germaine Escames

List of Publications by Year
in descending order

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152 papers	11,284 citations	22132 59 h-index	31818 101 g-index
155 all docs	155 docs citations	155 times ranked	9459 citing authors

#	Article	IF	Citations
1	Extrapineal melatonin: sources, regulation, and potential functions. Cellular and Molecular Life Sciences, 2014, 71, 2997-3025.	2.4	766
2	Extrapineal melatonin: analysis of its subcellular distribution and daily fluctuations. Journal of Pineal Research, 2012, 52, 217-227.	3.4	484
3	Melatonin mitigates mitochondrial malfunction. Journal of Pineal Research, 2005, 38, 1-9.	3.4	464
4	Melatonin, mitochondria, and cellular bioenergetics. Journal of Pineal Research, 2001, 30, 65-74.	3.4	350
5	Melatonin but not vitamins C and E maintains glutathione homeostasis in tâ€butyl hydroperoxideâ€induced mitochondrial oxidative stress. FASEB Journal, 2000, 14, 1677-1679.	0.2	320
6	Melatonin prevents changes in microsomal membrane fluidity during induced lipid peroxidation. FEBS Letters, 1997, 408, 297-300.	1.3	273
7	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.	0.2	264
8	Melatonin-induced increased activity of the respiratory chain complexes I and IV can prevent mitochondrial damage induced by ruthenium red in vivo. Journal of Pineal Research, 2000, 28, 242-248.	3.4	248
9	Melatonin protects the mitochondria from oxidative damage reducing oxygen consumption, membrane potential, and superoxide anion production. Journal of Pineal Research, 2009, 46, 188-198.	3.4	228
10	Melatonin increases the activity of the oxidative phosphorylation enzymes and the production of ATP in rat brain and liver mitochondria. International Journal of Biochemistry and Cell Biology, 2002, 34, 348-357.	1.2	217
11	Melatonin-mitochondria Interplay in Health and Disease. Current Topics in Medicinal Chemistry, 2011, 11, 221-240.	1.0	216
12	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.	0.2	190
13	Melatonin counteracts lipopolysaccharideâ€induced expression and activity of mitochondrial nitric oxide synthase in rats. FASEB Journal, 2003, 17, 1-22.	0.2	166
14	Minireview: Cell protective role of melatonin in the brain. Journal of Pineal Research, 1995, 19, 57-63.	3.4	150
15	Melatonin, Mitochondrial Homeostasis and Mitochondrial-Related Diseases. Current Topics in Medicinal Chemistry, 2002, 2, 133-151.	1.0	145
16	Inhibition of neuronal nitric oxide synthase activity by N1-acetyl-5-methoxykynuramine, a brain metabolite of melatonin. Journal of Neurochemistry, 2006, 98, 2023-2033.	2.1	141
17	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.	3.4	131
18	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.	3.4	130

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19	Melatonin role in the mitochondrial function. Frontiers in Bioscience - Landmark, 2007, 12, 947.	3.0	130
20	Melatonin counteracts inducible mitochondrial nitric oxide synthase-dependent mitochondrial dysfunction in skeletal muscle of septic mice. Journal of Pineal Research, 2006, 40, 71-78.	3.4	129
21	Structure-Related Inhibition of Calmodulin-Dependent Neuronal Nitric-Oxide Synthase Activity by Melatonin and Synthetic Kynurenines. Molecular Pharmacology, 2000, 58, 967-975.	1.0	127
22	Attenuation of cardiac mitochondrial dysfunction by melatonin in septic mice. FEBS Journal, 2007, 274, 2135-2147.	2.2	127
23	Same molecule but different expression: aging and sepsis trigger NLRP3 inflammasome activation, a target of melatonin. Journal of Pineal Research, 2016, 60, 193-205.	3.4	125
24	Mitochondrial regulation by melatonin And its metabolites. Advances in Experimental Medicine and Biology, 2003, 527, 549-557.	0.8	123
25	Longâ€term melatonin administration protects brain mitochondria from aging. Journal of Pineal Research, 2009, 47, 192-200.	3.4	121
26	Chronic melatonin treatment reduces the age-dependent inflammatory process in senescence-accelerated mice. Journal of Pineal Research, 2007, 42, 272-279.	3.4	120
27	Melatonin blunts the mitochondrial/<scp>NLRP</scp>3 connection and protects against radiationâ€induced oral mucositis. Journal of Pineal Research, 2015, 58, 34-49.	3.4	118
28	Circadian Rhythms of Dopamine and Dihydroxyphenyl Acetic Acid in the Mouse Striatum: Effects of Pinealectomy and of Melatonin Treatment. Neuroendocrinology, 2002, 75, 201-208.	1.2	110
29	Exercise and melatonin in humans: reciprocal benefits. Journal of Pineal Research, 2012, 52, 1-11.	3.4	108
30	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.	1.3	106
31	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.	3.4	102
32	Melatonin's Role as an Anticonvulsant and Neuronal Protector: Experimental and Clinical Evidence. Journal of Child Neurology, 1998, 13, 501-509.	0.7	101
33	Identification of an inducible nitric oxide synthase in diaphragm mitochondria from septic micelts relation with mitochondrial dysfunction and prevention by melatonin. International Journal of Biochemistry and Cell Biology, 2006, 38, 267-278.	1.2	101
34	Chronic melatonin treatment prevents age-dependent cardiac mitochondrial dysfunction in senescence-accelerated mice. Free Radical Research, 2007, 41, 15-24.	1.5	99
35	Pharmacological utility of melatonin in the treatment of septic shock: experimental and clinical evidence. Journal of Pharmacy and Pharmacology, 2010, 58, 1153-1165.	1.2	98
36	Melatonin and vitamin E limit nitric oxide-induced lipid peroxidation in rat brain homogenates. Neuroscience Letters, 1997, 230, 147-150.	1.0	92

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37	Comparative effects of melatonin, l-deprenyl, Trolox and ascorbate in the suppression of hydroxyl radical formation during dopamine autoxidation in vitro. Journal of Pineal Research, 2000, 29, 100-107.	3.4	91
38	Improved mitochondrial function and increased life span after chronic melatonin treatment in senescent prone mice. Experimental Gerontology, 2008, 43, 749-756.	1.2	88
39	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.	3.4	88
40	Dysfunctional Coq9 protein causes predominant encephalomyopathy associated with CoQ deficiency. Human Molecular Genetics, 2013, 22, 1233-1248.	1.4	87
41	Melatonin plus physical exercise are highly neuroprotective in the 3xTg-AD mouse. Neurobiology of Aging, 2012, 33, 1124.e13-1124.e29.	1.5	86
42	Mitochondrial DNA and inflammatory diseases. Human Genetics, 2012, 131, 161-173.	1.8	86
43	Melatonin protects rats from radiotherapy-induced small intestine toxicity. PLoS ONE, 2017, 12, e0174474.	1.1	86
44	Calreticulin-melatonin. FEBS Journal, 2003, 270, 832-840.	0.2	85
45	Melatonin, clock genes and mitochondria in sepsis. Cellular and Molecular Life Sciences, 2017, 74, 3965-3987.	2.4	84
46	Prophylactic Actions of Melatonin in Oxidative Neurotoxicity. Annals of the New York Academy of Sciences, 1997, 825, 70-78.	1.8	78
47	Melatonin enhances neural stem cell differentiation and engraftment by increasing mitochondrial function. Journal of Pineal Research, 2017, 63, e12415.	3.4	78
48	Melatonin Enhances Tamoxifen's Ability to Prevent the Reduction in Microsomal Membrane Fluidity Induced by Lipid Peroxidation. Journal of Membrane Biology, 1998, 162, 59-65.	1.0	77
49	The clinical heterogeneity of coenzyme Q₁₀ deficiency results from genotypic differences in the Coq9 gene. EMBO Molecular Medicine, 2015, 7, 670-687.	3.3	77
50	Synergistic effects of melatonin and deprenyl against MPTP-induced mitochondrial damage and DA depletion. Neurobiology of Aging, 2003, 24, 491-500.	1.5	72
51	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.	3.4	72
52	Parameters of oxidative stress in saliva from diabetic and parenteral drug addict patients. Journal of Oral Pathology and Medicine, 2006, 35, 554-559.	1.4	68
53	Melatonin improves inflammation processes in liver of senescence-accelerated prone male mice (SAMP8). Experimental Gerontology, 2010, 45, 950-956.	1.2	67
54	Melatonin reduces membrane rigidity and oxidative damage in the brain of SAMP8 mice. Neurobiology of Aging, 2011, 32, 2045-2054.	1.5	65

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55	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.	1.9	65
56	Analysis of the daily changes of melatonin receptors in the rat liver. Journal of Pineal Research, 2013, 54, 313-321.	3.4	64
57	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.	3.4	64
58	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.	2.9	63
59	Clinical trial to test the efficacy of melatonin in COVIDâ€19. Journal of Pineal Research, 2020, 69, e12683.	3.4	62
60	Melatonin-dopamine interaction in the striatal projection area of sensorimotor cortex in the rat. NeuroReport, 1996, 7, 597-600.	0.6	60
61	A review of the melatonin functions in zebrafish physiology. Journal of Pineal Research, 2014, 57, 1-9.	3.4	60
62	Mechanisms of N-methyl-d-Aspartate Receptor Inhibition by Melatonin In the Rat Striatum. Journal of Neuroendocrinology, 2004, 16, 929-935.	1.2	59
63	Modification of Nitric Oxide Synthase Activity and Neuronal Response in Rat Striatum by Melatonin and Kynurenine Derivatives. Journal of Neuroendocrinology, 2008, 10, 297-302.	1.2	59
64	Melatonin in the oral cavity: physiological and pathological implications. Journal of Periodontal Research, 2015, 50, 9-17.	1.4	59
65	CoQ deficiency causes disruption of mitochondrial sulfide oxidation, a new pathomechanism associated with this syndrome. EMBO Molecular Medicine, 2017, 9, 78-95.	3.3	59
66	Protective Effects of Melatonin on the Skin: Future Perspectives. International Journal of Molecular Sciences, 2019, 20, 4948.	1.8	59
67	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.	3.4	58
68	Ubiquinol-10 ameliorates mitochondrial encephalopathy associated with CoQ deficiency. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 893-901.	1.8	56
69	Relationship between salivary melatonin levels and periodontal status in diabetic patients. Journal of Pineal Research, 2003, 35, 239-244.	3.4	55
70	Identification of morphological markers of sarcopenia at early stage of aging in skeletal muscle of mice. Experimental Gerontology, 2016, 83, 22-30.	1.2	55
71	Age-dependent lipopolysaccharide-induced iNOS expression and multiorgan failure in rats: Effects of melatonin treatment. Experimental Gerontology, 2006, 41, 1165-1173.	1.2	54
72	Melatonin and Nitric Oxide: Two Required Antagonists for Mitochondrial Homeostasis. Endocrine, 2005, 27, 159-168.	2.2	53

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73	Calcium-Dependent Effects of Melatonin Inhibition of Glutamatergic Response in Rat Striatum. Journal of Neuroendocrinology, 2001, 13, 459-466.	1.2	52
74	Local Application of Melatonin Into Alveolar Sockets of Beagle Dogs Reduces Tooth Removalâ€“Induced Oxidative Stress. Journal of Periodontology, 2007, 78, 576-583.	1.7	52
75	The Role of Mitochondria in Brain Aging and the Effects of Melatonin. Current Neuropharmacology, 2010, 8, 182-193.	1.4	52
76	Analysis of Plasma MicroRNAs as Predictors and Biomarkers of Aging and Frailty in Humans. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-9.	1.9	51
77	Beneficial effect of melatonin treatment on inflammation, apoptosis and oxidative stress on pancreas of a senescence accelerated mice model. Mechanisms of Ageing and Development, 2011, 132, 573-582.	2.2	49
78	Kynurenamines as Neural Nitric Oxide Synthase Inhibitors. Journal of Medicinal Chemistry, 2005, 48, 8174-8181.	2.9	47
79	Fluorinated indazoles as novel selective inhibitors of nitric oxide synthase (NOS): Synthesis and biological evaluation. Bioorganic and Medicinal Chemistry, 2009, 17, 6180-6187.	1.4	46
80	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.	2.6	44
81	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.	1.1	43
82	Effect of a Combined Treatment With Growth Hormone and Melatonin in the Cardiological Aging on Male SAMP8 Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2011, 66A, 823-834.	1.7	41
83	Melatonin protects lung mitochondria from aging. Age, 2012, 34, 681-692.	3.0	41
84	Melatonin restores the mitochondrial production of ATP in septic mice. Neuroendocrinology Letters, 2006, 27, 623-30.	0.2	39
85	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.	0.9	38
86	Effect of Melatonin Supplementation on Antioxidant Status and DNA Damage in High Intensity Trained Athletes. International Journal of Sports Medicine, 2017, 38, 1117-1125.	0.8	38
87	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.	1.7	38
88	Melatonin treatment counteracts the hyperoxidative status in erythrocytes of patients suffering from Duchenne muscular dystrophy. Clinical Biochemistry, 2011, 44, 853-858.	0.8	36
89	Oral Mucositis: Melatonin Gel an Effective New Treatment. International Journal of Molecular Sciences, 2017, 18, 1003.	1.8	34
90	Involvement of plasma miRNAs, muscle miRNAs and mitochondrial miRNAs in the pathophysiology of frailty. Experimental Gerontology, 2019, 124, 110637.	1.2	34

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91	Mitochondrial impairment and melatonin protection in parkinsonian mice do not depend of inducible or neuronal nitric oxide synthases. PLoS ONE, 2017, 12, e0183090.	1.1	34
92	Permeabilized myocardial fibers as model to detect mitochondrial dysfunction during sepsis and melatonin effects without disruption of mitochondrial network. Mitochondrion, 2016, 27, 56-63.	1.6	31
93	Melatonin/Nrf2/NLRP3 Connection in Mouse Heart Mitochondria during Aging. Antioxidants, 2020, 9, 1187.	2.2	31
94	Inhibition of nNOS Activity in Rat Brain by Synthetic Kynurenines:â€‰Structureâ˜'Activity Dependence. Journal of Medicinal Chemistry, 2002, 45, 263-274.	2.9	30
95	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.	3.4	30
96	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.	2.4	30
97	Synergism between melatonin and atorvastatin against endothelial cell damage induced by lipopolysaccharide. Journal of Pineal Research, 2011, 51, 324-330.	3.4	30
98	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.	1.4	30
99	Changes in iNOS activity, oxidative stress and melatonin levels in hypertensive patients treated with lacidipine. Journal of Hypertension, 2004, 22, 629-635.	0.3	29
100	Melatonin decreases the expression of inflammation and apoptosis markers in the lung of a senescence-accelerated mice model. Experimental Gerontology, 2016, 75, 1-7.	1.2	29
101	Rapamycin administration is not a valid therapeutic strategy for every case of mitochondrial disease. EBioMedicine, 2019, 42, 511-523.	2.7	29
102	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.	1.7	28
103	Protective effects of melatonin against oxidative damage induced by Egyptian cobra (Naja haje) crude venom in rats. Acta Tropica, 2015, 143, 58-65.	0.9	27
104	Î²â€•<scp>RA</scp> reduces <scp>DMQ</scp> /CoQ ratio and rescues the encephalopathic phenotype in Coq9 ^{R239X} mice. EMBO Molecular Medicine, 2019, 11, .	3.3	27
105	Antioxidant defence and inflammatory response in professional road cyclists during a 4-day competition. Journal of Sports Sciences, 2010, 28, 1047-1056.	1.0	26
106	The benefits of four weeks of melatonin treatment on circadian patterns in resistance-trained athletes. Chronobiology International, 2015, 32, 1125-1134.	0.9	26
107	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.	1.3	26
108	Phenylpyrrole derivatives as neural and inducible nitric oxide synthase (nNOS and iNOS) inhibitors. European Journal of Medicinal Chemistry, 2009, 44, 2655-2666.	2.6	25

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109	Coronavirus Disease 2019 (COVID-19) and Its Neuroinvasive Capacity: Is It Time for Melatonin?. Cellular and Molecular Neurobiology, 2022, 42, 489-500.	1.7	25
110	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.	0.7	25
111	Modulation of Rat Striatal Glutamatergic Response in Search for New Neuroprotective Agents: Evaluation of Melatonin and Some Kynurenine Derivatives. Brain Research Bulletin, 1998, 45, 525-530.	1.4	24
112	Melatonin Targets Metabolism in Head and Neck Cancer Cells by Regulating Mitochondrial Structure and Function. Antioxidants, 2021, 10, 603.	2.2	24
113	Melatonin actions in the heart; more than a hormone. Melatonin Research, 2018, 1, 21-26.	0.7	24
114	Effect of clonidine on plasma ACTH, cortisol and melatonin in children. Journal of Pineal Research, 2000, 29, 48-53.	3.4	23
115	Synthesis and biological evaluation of indazole derivatives. European Journal of Medicinal Chemistry, 2011, 46, 1439-1447.	2.6	22
116	Protective actions of melatonin and growth hormone on the aged cardiovascular system. Hormone Molecular Biology and Clinical Investigation, 2014, 18, 79-88.	0.3	22
117	Identification of mitochondrial deficits and melatonin targets in liver of septic mice by high-resolution respirometry. Life Sciences, 2015, 121, 158-165.	2.0	22
118	Redox status and antioxidant response in professional cyclists during training. European Journal of Sport Science, 2014, 14, 830-838.	1.4	21
119	Cardiological aging in SAM model: effect of chronic treatment with growth hormone. Biogerontology, 2010, 11, 275-286.	2.0	19
120	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.	1.4	18
121	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.	0.3	18
122	Age-related changes of neuronal responsiveness to melatonin in the striatum of sham-operated and pinealectomized rats. Journal of Pineal Research, 1995, 19, 79-86.	3.4	16
123	Coenzyme Q10 modulates sulfide metabolism and links the mitochondrial respiratory chain to pathways associated to one carbon metabolism. Human Molecular Genetics, 2020, 29, 3296-3311.	1.4	16
124	Melatonin reduces oxidative stress because of tooth removal. Journal of Pineal Research, 2007, 42, 419-419.	3.4	15
125	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.	1.0	15
126	The Impact of Melatonin and NLRP3 Inflammasome on the Expression of microRNAs in Aged Muscle. Antioxidants, 2021, 10, 524.	2.2	15

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127	Synthesis and iNOS/nNOS inhibitory activities of new benzoylpyrazoline derivatives. Tetrahedron, 2004, 60, 4051-4069.	1.0	14
128	Î²â€globin gene cluster haplotypes in sickle cell patients from PanamÃ¡. American Journal of Human Biology, 2011, 23, 377-380.	0.8	14
129	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.	2.6	14
130	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.	0.5	14
131	Effect of propranolol plus exercise on melatonin and growth hormone levels in children with growth delay. Journal of Pineal Research, 2001, 30, 75-81.	3.4	13
132	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.	3.4	10
133	Argan Oil-contained Antioxidants for Human Mitochondria. Natural Product Communications, 2013, 8, 1934578X1300800.	0.2	10
134	Retinoid-related orphan nuclear receptor alpha (RORÎ±)-deficient mice display morphological testicular defects. Laboratory Investigation, 2019, 99, 1835-1849.	1.7	10
135	The Zebrafish, an Outstanding Model for Biomedical Research in the Field of Melatonin and Human Diseases. International Journal of Molecular Sciences, 2022, 23, 7438.	1.8	10
136	Melatonin interaction with magnesium and zinc in the response of the striatum to sensorimotor cortical stimulation in the rat. Journal of Pineal Research, 1998, 24, 123-129.	3.4	9
137	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.	1.6	9
138	Melatonin-doped polymeric nanoparticles reinforce and remineralize radicular dentin: Morpho-histological, chemical and biomechanical studies. Dental Materials, 2021, 37, 1107-1120.	1.6	9
139	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.	3.4	8
140	Age and Chronodisruption in Mouse Heart: Effect of the NLRP3 Inflammasome and Melatonin Therapy. International Journal of Molecular Sciences, 2022, 23, 6846.	1.8	8
141	Melatonin and Î²-Endorphin Changes in Children Sensitized to Olive and Grass Pollen after Treatment with Specific Immunotherapy. International Archives of Allergy and Immunology, 2001, 126, 91-96.	0.9	7
142	Melatonin-Induced Oncostasis, Mechanisms and Clinical Relevance. Journal of Integrative Oncology, 2016, 01, .	0.3	7
143	The Impact of Melatonin Supplementation and NLRP3 Inflammasome Deletion on Age-Accompanied Cardiac Damage. Antioxidants, 2021, 10, 1269.	2.2	7
144	Characterization of Nocturnal Ultradian Rhythms of Melatonin in Children with Growth Hormone-Dependent and Independent Growth Delay. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 1181-1187.	1.8	7

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145	Evaluation of plasma levels of melatonin after midazolam or sodium thiopental anesthesia in children. Journal of Pineal Research, 2002, 32, 253-256.	3.4	6
146	Lack of retinoid acid receptor-related orphan receptor alpha accelerates and melatonin supplementation prevents testicular aging. Aging, 2020, 12, 12648-12668.	1.4	6
147	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.	3.4	4
148	Melatonin-doped polymeric nanoparticles induce high crystalline apatite formation in root dentin. Dental Materials, 2021, 37, 1698-1713.	1.6	4
149	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.	0.8	3
150	The Q-junction and the inflammatory response are critical pathological and therapeutic factors in CoQ deficiency. Redox Biology, 2022, 55, 102403.	3.9	2
151	Participation of ACTH1â€“10 and ACTH4â€“10 on the melatonin modulation of benzodiazepine receptors in rat cerebral cortex. Experientia, 1995, 51, 209-212.	1.2	1
152	Effect of 5-Azacitidine Treatment on Redox Status and Inflammatory Condition in MDS Patients. Antioxidants, 2022, 11, 139.	2.2	1