

# Germaine Escames

## List of Publications by Year in Descending Order

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

148 papers	9,201 citations	54 h-index	92 g-index
155 ext. papers	10,152 ext. citations	6 avg, IF	5.7 L-index

#	Paper	IF	Citations
148	Melatonin Targets Metabolism in Head and Neck Cancer Cells by Regulating Mitochondrial Structure and Function. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	6
147	Melatonin-doped polymeric nanoparticles reinforce and remineralize radicular dentin: Morpho-histological, chemical and biomechanical studies. <i>Dental Materials</i> , <b>2021</b> , 37, 1107-1120	5.7	1
146	Melatonin alleviates sepsis-induced heart injury through activating the Nrf2 pathway and inhibiting the NLRP3 inflammasome. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2021</b> , 394, 261-277	3.4	13
145	The Impact of Melatonin and NLRP3 Inflammasome on the Expression of microRNAs in Aged Muscle. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	5
144	The Impact of Melatonin Supplementation and NLRP3 Inflammasome Deletion on Age-Accompanied Cardiac Damage. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	1
143	Melatonin-doped polymeric nanoparticles induce high crystalline apatite formation in root dentin. <i>Dental Materials</i> , <b>2021</b> , 37, 1698-1713	5.7	1
142	Lack of retinoid acid receptor-related orphan receptor alpha accelerates and melatonin supplementation prevents testicular aging. <i>Aging</i> , <b>2020</b> , 12, 12648-12668	5.6	4
141	Coenzyme Q10 modulates sulfide metabolism and links the mitochondrial respiratory chain to pathways associated to one carbon metabolism. <i>Human Molecular Genetics</i> , <b>2020</b> , 29, 3296-3311	5.6	8
140	Melatonin/Nrf2/NLRP3 Connection in Mouse Heart Mitochondria during Aging. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	17
139	Coronavirus Disease 2019 (COVID-19) and Its Neuroinvasive Capacity: Is It Time for Melatonin?. <i>Cellular and Molecular Neurobiology</i> , <b>2020</b> , 1	4.6	13
138	Clinical trial to test the efficacy of melatonin in COVID-19. <i>Journal of Pineal Research</i> , <b>2020</b> , 69, e12683	10.4	42
137	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. <i>Trials</i> , <b>2020</b> , 21, 699	2.8	16
136	Involvement of plasma miRNAs, muscle miRNAs and mitochondrial miRNAs in the pathophysiology of frailty. <i>Experimental Gerontology</i> , <b>2019</b> , 124, 110637	4.5	15
135	Rapamycin administration is not a valid therapeutic strategy for every case of mitochondrial disease. <i>EBioMedicine</i> , <b>2019</b> , 42, 511-523	8.8	17
134	Lack of NLRP3 Inflammasome Activation Reduces Age-Dependent Sarcopenia and Mitochondrial Dysfunction, Favoring the Prophylactic Effect of Melatonin. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2019</b> , 74, 1699-1708	6.4	24
133	Melatonin Enhances Cisplatin and Radiation Cytotoxicity in Head and Neck Squamous Cell Carcinoma by Stimulating Mitochondrial ROS Generation, Apoptosis, and Autophagy. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 7187128	6.7	39
132	Retinoid-related orphan nuclear receptor alpha (ROR $\alpha$ )-deficient mice display morphological testicular defects. <i>Laboratory Investigation</i> , <b>2019</b> , 99, 1835-1849	5.9	5

131	Protective Effects of Melatonin on the Skin: Future Perspectives. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	25
130	ERA reduces DMQ/CoQ ratio and rescues the encephalopathic phenotype in mice. <i>EMBO Molecular Medicine</i> , <b>2019</b> , 11,	12	18
129	Combination of melatonin and rapamycin for head and neck cancer therapy: Suppression of AKT/mTOR pathway activation, and activation of mitophagy and apoptosis via mitochondrial function regulation. <i>Journal of Pineal Research</i> , <b>2018</b> , 64, e12461	10.4	85
128	The Protective Effect of Melatonin Against Age-Associated, Sarcopenia-Dependent Tubular Aggregate Formation, Lactate Depletion, and Mitochondrial Changes. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2018</b> , 73, 1330-1338	6.4	18
127	Analysis of Plasma MicroRNAs as Predictors and Biomarkers of Aging and Frailty in Humans. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 7671850	6.7	33
126	Melatonin actions in the heart; more than a hormone. <i>Melatonin Research</i> , <b>2018</b> , 1, 21-26	5.1	17
125	In Vivo Determination of Mitochondrial Respiration in 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine-Treated Zebrafish Reveals the Efficacy of Melatonin in Restoring Mitochondrial Normalcy. <i>Zebrafish</i> , <b>2018</b> , 15, 15-26	2	11
124	Reduction in the levels of CoQ biosynthetic proteins is related to an increase in lifespan without evidence of hepatic mitohormesis. <i>Scientific Reports</i> , <b>2018</b> , 8, 14013	4.9	6
123	Contribution of inducible and neuronal nitric oxide synthases to mitochondrial damage and melatonin rescue in LPS-treated mice. <i>Journal of Physiology and Biochemistry</i> , <b>2017</b> , 73, 235-244	5	23
122	The benefit of a supplement with the antioxidant melatonin on redox status and muscle damage in resistance-trained athletes. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2017</b> , 42, 700-707	3	25
121	Melatonin enhances neural stem cell differentiation and engraftment by increasing mitochondrial function. <i>Journal of Pineal Research</i> , <b>2017</b> , 63, e12415	10.4	48
120	Melatonin administration to wild-type mice and nontreated NLRP3 mutant mice share similar inhibition of the inflammatory response during sepsis. <i>Journal of Pineal Research</i> , <b>2017</b> , 63, e12410	10.4	66
119	CoQ deficiency causes disruption of mitochondrial sulfide oxidation, a new pathomechanism associated with this syndrome. <i>EMBO Molecular Medicine</i> , <b>2017</b> , 9, 78-95	12	47
118	Melatonin, clock genes and mitochondria in sepsis. <i>Cellular and Molecular Life Sciences</i> , <b>2017</b> , 74, 3965-3987	10.3	56
117	Effect of Melatonin Supplementation on Antioxidant Status and DNA Damage in High Intensity Trained Athletes. <i>International Journal of Sports Medicine</i> , <b>2017</b> , 38, 1117-1125	3.6	24
116	Oral Mucositis: Melatonin Gel an Effective New Treatment. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	25
115	Melatonin protects rats from radiotherapy-induced small intestine toxicity. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174474	3.7	68
114	Mitochondrial impairment and melatonin protection in parkinsonian mice do not depend of inducible or neuronal nitric oxide synthases. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183090	3.7	26

113	Identification of morphological markers of sarcopenia at early stage of aging in skeletal muscle of mice. <i>Experimental Gerontology</i> , <b>2016</b> , 83, 22-30	4.5	28
112	Preliminary evidence suggesting that nonmetallic and metallic nanoparticle devices protect against the effects of environmental electromagnetic radiation by reducing oxidative stress and inflammatory status. <i>European Journal of Integrative Medicine</i> , <b>2016</b> , 8, 835-840	1.7	2
111	Melatonin rescues zebrafish embryos from the parkinsonian phenotype restoring the parkin/PINK1/DJ-1/MUL1 network. <i>Journal of Pineal Research</i> , <b>2016</b> , 61, 96-107	10.4	49
110	Melatonin decreases the expression of inflammation and apoptosis markers in the lung of a senescence-accelerated mice model. <i>Experimental Gerontology</i> , <b>2016</b> , 75, 1-7	4.5	25
109	Melatonin-Induced Oncostasis, Mechanisms and Clinical Relevance. <i>Journal of Integrative Oncology</i> , <b>2016</b> , 01,		5
108	Same molecule but different expression: aging and sepsis trigger NLRP3 inflammasome activation, a target of melatonin. <i>Journal of Pineal Research</i> , <b>2016</b> , 60, 193-205	10.4	101
107	Permeabilized myocardial fibers as model to detect mitochondrial dysfunction during sepsis and melatonin effects without disruption of mitochondrial network. <i>Mitochondrion</i> , <b>2016</b> , 27, 56-63	4.9	30
106	The benefits of four weeks of melatonin treatment on circadian patterns in resistance-trained athletes. <i>Chronobiology International</i> , <b>2015</b> , 32, 1125-34	3.6	20
105	Protective effects of melatonin against oxidative damage induced by Egyptian cobra ( <i>Naja haje</i> ) crude venom in rats. <i>Acta Tropica</i> , <b>2015</b> , 143, 58-65	3.2	24
104	Identification of mitochondrial deficits and melatonin targets in liver of septic mice by high-resolution respirometry. <i>Life Sciences</i> , <b>2015</b> , 121, 158-65	6.8	20
103	Melatonin blunts the mitochondrial/NLRP3 connection and protects against radiation-induced oral mucositis. <i>Journal of Pineal Research</i> , <b>2015</b> , 58, 34-49	10.4	97
102	Melatonin in the oral cavity: physiological and pathological implications. <i>Journal of Periodontal Research</i> , <b>2015</b> , 50, 9-17	4.3	42
101	The clinical heterogeneity of coenzyme Q10 deficiency results from genotypic differences in the Coq9 gene. <i>EMBO Molecular Medicine</i> , <b>2015</b> , 7, 670-87	12	60
100	Disruption of the NF- $\kappa$ B/NLRP3 connection by melatonin requires retinoid-related orphan receptor- $\gamma$ and blocks the septic response in mice. <i>FASEB Journal</i> , <b>2015</b> , 29, 3863-75	0.9	140
99	Extrapineal melatonin: sources, regulation, and potential functions. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 2997-3025	10.3	562
98	Redox status and antioxidant response in professional cyclists during training. <i>European Journal of Sport Science</i> , <b>2014</b> , 14, 830-8	3.9	19
97	Ubiquinol-10 ameliorates mitochondrial encephalopathy associated with CoQ deficiency. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2014</b> , 1842, 893-901	6.9	44
96	A review of the melatonin functions in zebrafish physiology. <i>Journal of Pineal Research</i> , <b>2014</b> , 57, 1-9	10.4	46

95	The beneficial effects of melatonin against heart mitochondrial impairment during sepsis: inhibition of iNOS and preservation of nNOS. <i>Journal of Pineal Research</i> , <b>2014</b> , 56, 71-81	10.4	62
94	Protective actions of melatonin and growth hormone on the aged cardiovascular system. <i>Hormone Molecular Biology and Clinical Investigation</i> , <b>2014</b> , 18, 79-88	1.3	17
93	Changes in the redox status and inflammatory response in handball players during one-year of competition and training. <i>Journal of Sports Sciences</i> , <b>2013</b> , 31, 1197-207	3.6	13
92	Dysfunctional Coq9 protein causes predominant encephalomyopathy associated with CoQ deficiency. <i>Human Molecular Genetics</i> , <b>2013</b> , 22, 1233-48	5.6	72
91	Analysis of the daily changes of melatonin receptors in the rat liver. <i>Journal of Pineal Research</i> , <b>2013</b> , 54, 313-21	10.4	47
90	Early gender differences in the redox status of the brain mitochondria with age: effects of melatonin therapy. <i>Hormone Molecular Biology and Clinical Investigation</i> , <b>2013</b> , 16, 91-100	1.3	12
89	Argan Oil-contained Antioxidants for Human Mitochondria. <i>Natural Product Communications</i> , <b>2013</b> , 8, 1934578X1300800	0.9	5
88	1,3,4-Thiadiazole derivatives as selective inhibitors of iNOS versus nNOS: Synthesis and structure-activity dependence. <i>European Journal of Medicinal Chemistry</i> , <b>2012</b> , 50, 129-39	6.8	13
87	Mitochondrial DNA and inflammatory diseases. <i>Human Genetics</i> , <b>2012</b> , 131, 161-73	6.3	75
86	Melatonin plus physical exercise are highly neuroprotective in the 3xTg-AD mouse. <i>Neurobiology of Aging</i> , <b>2012</b> , 33, 1124.e13-29	5.6	67
85	Melatonin protects lung mitochondria from aging. <i>Age</i> , <b>2012</b> , 34, 681-92		34
84	Exercise and melatonin in humans: reciprocal benefits. <i>Journal of Pineal Research</i> , <b>2012</b> , 52, 1-11	10.4	87
83	Extrapineal melatonin: analysis of its subcellular distribution and daily fluctuations. <i>Journal of Pineal Research</i> , <b>2012</b> , 52, 217-27	10.4	381
82	Determination of coenzyme Q10, coenzyme Q9, and melatonin contents in virgin argan oils: comparison with other edible vegetable oils. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 12102-8	5.7	27
81	Protective effects of synthetic kynurenines on 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced parkinsonism in mice. <i>Brain Research Bulletin</i> , <b>2011</b> , 85, 133-40	3.9	15
80	Melatonin reduces membrane rigidity and oxidative damage in the brain of SAMP8 mice. <i>Neurobiology of Aging</i> , <b>2011</b> , 32, 2045-54	5.6	49
79	Synergism between melatonin and atorvastatin against endothelial cell damage induced by lipopolysaccharide. <i>Journal of Pineal Research</i> , <b>2011</b> , 51, 324-30	10.4	23
78	Beneficial effect of melatonin treatment on inflammation, apoptosis and oxidative stress on pancreas of a senescence accelerated mice model. <i>Mechanisms of Ageing and Development</i> , <b>2011</b> , 132, 573-82	5.6	46

77	β-globin gene cluster haplotypes in sickle cell patients from Panama. <i>American Journal of Human Biology</i> , <b>2011</b> , 23, 377-80	2.7	11
76	Melatonin treatment counteracts the hyperoxidative status in erythrocytes of patients suffering from Duchenne muscular dystrophy. <i>Clinical Biochemistry</i> , <b>2011</b> , 44, 853-8	3.5	31
75	Synthesis and biological evaluation of indazole derivatives. <i>European Journal of Medicinal Chemistry</i> , <b>2011</b> , 46, 1439-47	6.8	19
74	Melatonin-mitochondria interplay in health and disease. <i>Current Topics in Medicinal Chemistry</i> , <b>2011</b> , 11, 221-40	3	179
73	Effect of a combined treatment with growth hormone and melatonin in the cardiological aging on male SAMP8 mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2011</b> , 66, 823-34	6.4	38
72	Melatonin treatment normalizes plasma pro-inflammatory cytokines and nitrosative/oxidative stress in patients suffering from Duchenne muscular dystrophy. <i>Journal of Pineal Research</i> , <b>2010</b> , 48, 282-289	10.4	119
71	Antioxidant defence and inflammatory response in professional road cyclists during a 4-day competition. <i>Journal of Sports Sciences</i> , <b>2010</b> , 28, 1047-56	3.6	22
70	The role of mitochondria in brain aging and the effects of melatonin. <i>Current Neuropharmacology</i> , <b>2010</b> , 8, 182-93	7.6	43
69	Cardiological aging in SAM model: effect of chronic treatment with growth hormone. <i>Biogerontology</i> , <b>2010</b> , 11, 275-86	4.5	18
68	Melatonin improves inflammation processes in liver of senescence-accelerated prone male mice (SAMP8). <i>Experimental Gerontology</i> , <b>2010</b> , 45, 950-6	4.5	62
67	Oxidative stress status, clinical outcome, and β-globin gene cluster haplotypes in pediatric patients with sickle cell disease. <i>European Journal of Haematology</i> , <b>2010</b> , 85, 529-37	3.8	35
66	Melatonin and its brain metabolite N(1)-acetyl-5-methoxykynuramine prevent mitochondrial nitric oxide synthase induction in parkinsonian mice. <i>Journal of Neuroscience Research</i> , <b>2009</b> , 87, 3002-10	4.4	99
65	Phenylpyrrole derivatives as neural and inducible nitric oxide synthase (nNOS and iNOS) inhibitors. <i>European Journal of Medicinal Chemistry</i> , <b>2009</b> , 44, 2655-66	6.8	25
64	Melatonin protects the mitochondria from oxidative damage reducing oxygen consumption, membrane potential, and superoxide anion production. <i>Journal of Pineal Research</i> , <b>2009</b> , 46, 188-98	10.4	205
63	Long-term melatonin administration protects brain mitochondria from aging. <i>Journal of Pineal Research</i> , <b>2009</b> , 47, 192-200	10.4	108
62	Fluorinated indazoles as novel selective inhibitors of nitric oxide synthase (NOS): synthesis and biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 6180-7	3.4	41
61	Improved mitochondrial function and increased life span after chronic melatonin treatment in senescent prone mice. <i>Experimental Gerontology</i> , <b>2008</b> , 43, 749-56	4.5	78
60	Pyrazoles and pyrazolines as neural and inducible nitric oxide synthase (nNOS and iNOS) potential inhibitors (III). <i>European Journal of Medicinal Chemistry</i> , <b>2008</b> , 43, 2579-91	6.8	37

59	Local application of melatonin into alveolar sockets of beagle dogs reduces tooth removal-induced oxidative stress. <i>Journal of Periodontology</i> , <b>2007</b> , 78, 576-83	4.6	43
58	Chronic melatonin treatment reduces the age-dependent inflammatory process in senescence-accelerated mice. <i>Journal of Pineal Research</i> , <b>2007</b> , 42, 272-9	10.4	102
57	Cellular mechanisms involved in the melatonin inhibition of HT-29 human colon cancer cell proliferation in culture. <i>Journal of Pineal Research</i> , <b>2007</b> , 43, 195-205	10.4	88
56	Attenuation of cardiac mitochondrial dysfunction by melatonin in septic mice. <i>FEBS Journal</i> , <b>2007</b> , 274, 2135-47	5.7	103
55	Melatonin reduces oxidative stress because of tooth removal. <i>Journal of Pineal Research</i> , <b>2007</b> , 42, 419-20	10.4	13
54	Chronic melatonin treatment prevents age-dependent cardiac mitochondrial dysfunction in senescence-accelerated mice. <i>Free Radical Research</i> , <b>2007</b> , 41, 15-24	4	78
53	Melatonin role in the mitochondrial function. <i>Frontiers in Bioscience - Landmark</i> , <b>2007</b> , 12, 947-63	2.8	111
52	Pharmacological utility of melatonin in the treatment of septic shock: experimental and clinical evidence. <i>Journal of Pharmacy and Pharmacology</i> , <b>2006</b> , 58, 1153-65	4.8	82
51	Age-dependent lipopolysaccharide-induced iNOS expression and multiorgan failure in rats: effects of melatonin treatment. <i>Experimental Gerontology</i> , <b>2006</b> , 41, 1165-73	4.5	48
50	Identification of an inducible nitric oxide synthase in diaphragm mitochondria from septic mice: its relation with mitochondrial dysfunction and prevention by melatonin. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2006</b> , 38, 267-78	5.6	87
49	Inhibition of neuronal nitric oxide synthase activity by N1-acetyl-5-methoxykynuramine, a brain metabolite of melatonin. <i>Journal of Neurochemistry</i> , <b>2006</b> , 98, 2023-33	6	111
48	Parameters of oxidative stress in saliva from diabetic and parenteral drug addict patients. <i>Journal of Oral Pathology and Medicine</i> , <b>2006</b> , 35, 554-9	3.3	62
47	Melatonin counteracts inducible mitochondrial nitric oxide synthase-dependent mitochondrial dysfunction in skeletal muscle of septic mice. <i>Journal of Pineal Research</i> , <b>2006</b> , 40, 71-8	10.4	111
46	Melatonin restores the mitochondrial production of ATP in septic mice. <i>Neuroendocrinology Letters</i> , <b>2006</b> , 27, 623-30	0.3	36
45	Kynurenamines as neural nitric oxide synthase inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 8174-81	8.5	45
44	Melatonin and nitric oxide: two required antagonists for mitochondrial homeostasis. <i>Endocrine</i> , <b>2005</b> , 27, 159-68		48
43	Melatonin mitigates mitochondrial malfunction. <i>Journal of Pineal Research</i> , <b>2005</b> , 38, 1-9	10.4	418
42	Selective CCK-A but not CCK-B receptor antagonists inhibit HT-29 cell proliferation: synergism with pharmacological levels of melatonin. <i>Journal of Pineal Research</i> , <b>2005</b> , 39, 243-50	10.4	27



41	Mechanisms of N-methyl-D-aspartate receptor inhibition by melatonin in the rat striatum. <i>Journal of Neuroendocrinology</i> , <b>2004</b> , 16, 929-35	3.8	49
40	Effects of some synthetic kynurenines on brain amino acids and nitric oxide after pentylenetetrazole administration to rats. <i>Journal of Pineal Research</i> , <b>2004</b> , 36, 267-77	10.4	3
39	Synthesis and iNOS/nNOS inhibitory activities of new benzoylpyrazoline derivatives. <i>Tetrahedron</i> , <b>2004</b> , 60, 4051-4069	2.4	14
38	4,5-dihydro-1H-pyrazole derivatives with inhibitory nNOS activity in rat brain: synthesis and structure-activity relationships. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 5641-50	8.3	59
37	Changes in iNOS activity, oxidative stress and melatonin levels in hypertensive patients treated with lacidipine. <i>Journal of Hypertension</i> , <b>2004</b> , 22, 629-35	1.9	25
36	Characterization of melatonin high-affinity binding sites in purified cell nuclei of the hamster ( <i>Mesocricetus auratus</i> ) hardierian gland. <i>Journal of Pineal Research</i> , <b>2003</b> , 34, 202-7	10.4	9
35	Specific binding of melatonin to purified cell nuclei from mammary gland of swiss mice: day-night variations and effect of continuous light. <i>Journal of Pineal Research</i> , <b>2003</b> , 34, 297-301	10.4	7
34	Changes in brain amino acids and nitric oxide after melatonin administration in rats with pentylenetetrazole-induced seizures. <i>Journal of Pineal Research</i> , <b>2003</b> , 35, 54-60	10.4	45
33	Relationship between salivary melatonin levels and periodontal status in diabetic patients. <i>Journal of Pineal Research</i> , <b>2003</b> , 35, 239-44	10.4	47
32	Calreticulin-melatonin. An unexpected relationship. <i>FEBS Journal</i> , <b>2003</b> , 270, 832-40		71
31	Synergistic effects of melatonin and deprenyl against MPTP-induced mitochondrial damage and DA depletion. <i>Neurobiology of Aging</i> , <b>2003</b> , 24, 491-500	5.6	65
30	Melatonin counteracts lipopolysaccharide-induced expression and activity of mitochondrial nitric oxide synthase in rats. <i>FASEB Journal</i> , <b>2003</b> , 17, 932-4	0.9	136
29	Mitochondrial regulation by melatonin and its metabolites. <i>Advances in Experimental Medicine and Biology</i> , <b>2003</b> , 527, 549-57	3.6	100
28	Evaluation of plasma levels of melatonin after midazolam or sodium thiopental anesthesia in children. <i>Journal of Pineal Research</i> , <b>2002</b> , 32, 253-6	10.4	4
27	Circadian rhythms of dopamine and dihydroxyphenyl acetic acid in the mouse striatum: effects of pinealectomy and of melatonin treatment. <i>Neuroendocrinology</i> , <b>2002</b> , 75, 201-8	5.6	97
26	Melatonin, mitochondrial homeostasis and mitochondrial-related diseases. <i>Current Topics in Medicinal Chemistry</i> , <b>2002</b> , 2, 133-51	3	123
25	Inhibition of nNOS activity in rat brain by synthetic kynurenines: structure-activity dependence. <i>Journal of Medicinal Chemistry</i> , <b>2002</b> , 45, 263-74	8.3	29
24	Melatonin increases the activity of the oxidative phosphorylation enzymes and the production of ATP in rat brain and liver mitochondria. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2002</b> , 34, 348-57	5.6	190



23	Calcium-dependent effects of melatonin inhibition of glutamatergic response in rat striatum. <i>Journal of Neuroendocrinology</i> , <b>2001</b> , 13, 459-66	3.8	46
22	Melatonin, mitochondria, and cellular bioenergetics. <i>Journal of Pineal Research</i> , <b>2001</b> , 30, 65-74	10.4	302
21	Effect of propranolol plus exercise on melatonin and growth hormone levels in children with growth delay. <i>Journal of Pineal Research</i> , <b>2001</b> , 30, 75-81	10.4	11
20	Melatonin and beta-endorphin changes in children sensitized to olive and grass pollen after treatment with specific immunotherapy. <i>International Archives of Allergy and Immunology</i> , <b>2001</b> , 126, 91-6	3.7	5
19	Characterization of Nocturnal Ultradian Rhythms of Melatonin in Children with Growth Hormone-Dependent and Independent Growth Delay. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2001</b> , 86, 1181-1187	5.6	6
18	Structure-related inhibition of calmodulin-dependent neuronal nitric-oxide synthase activity by melatonin and synthetic kynurenines. <i>Molecular Pharmacology</i> , <b>2000</b> , 58, 967-75	4.3	111
17	Melatonin-induced increased activity of the respiratory chain complexes I and IV can prevent mitochondrial damage induced by ruthenium red in vivo. <i>Journal of Pineal Research</i> , <b>2000</b> , 28, 242-8	10.4	208
16	Effect of clonidine on plasma ACTH, cortisol and melatonin in children. <i>Journal of Pineal Research</i> , <b>2000</b> , 29, 48-53	10.4	17
15	Comparative effects of melatonin, L-deprenyl, Trolox and ascorbate in the suppression of hydroxyl radical formation during dopamine autoxidation in vitro. <i>Journal of Pineal Research</i> , <b>2000</b> , 29, 100-7	10.4	81
14	Melatonin but not vitamins C and E maintains glutathione homeostasis in t-butyl hydroperoxide-induced mitochondrial oxidative stress. <i>FASEB Journal</i> , <b>2000</b> , 14, 1677-9	0.9	277
13	Melatonin inhibits expression of the inducible NO synthase II in liver and lung and prevents endotoxemia in lipopolysaccharide-induced multiple organ dysfunction syndrome in rats. <i>FASEB Journal</i> , <b>1999</b> , 13, 1537-1546	0.9	230
12	Melatonin enhances tamoxifen's ability to prevent the reduction in microsomal membrane fluidity induced by lipid peroxidation. <i>Journal of Membrane Biology</i> , <b>1998</b> , 162, 59-65	2.3	70
11	Melatonin interaction with magnesium and zinc in the response of the striatum to sensorimotor cortical stimulation in the rat. <i>Journal of Pineal Research</i> , <b>1998</b> , 24, 123-9	10.4	8
10	Modulation of rat striatal glutamatergic response in search for new neuroprotective agents: evaluation of melatonin and some kynurenine derivatives. <i>Brain Research Bulletin</i> , <b>1998</b> , 45, 525-30	3.9	24
9	Modification of nitric oxide synthase activity and neuronal response in rat striatum by melatonin and kynurenine derivatives. <i>Journal of Neuroendocrinology</i> , <b>1998</b> , 10, 297-302	3.8	50
8	Melatonin's role as an anticonvulsant and neuronal protector: experimental and clinical evidence. <i>Journal of Child Neurology</i> , <b>1998</b> , 13, 501-9	2.5	83
7	Melatonin prevents changes in microsomal membrane fluidity during induced lipid peroxidation. <i>FEBS Letters</i> , <b>1997</b> , 408, 297-300	3.8	237
6	Melatonin and vitamin E limit nitric oxide-induced lipid peroxidation in rat brain homogenates. <i>Neuroscience Letters</i> , <b>1997</b> , 230, 147-50	3.3	86

5	Prophylactic actions of melatonin in oxidative neurotoxicity. <i>Annals of the New York Academy of Sciences</i> , <b>1997</b> , 825, 70-8	6.5	72
4	Melatonin-dopamine interaction in the striatal projection area of sensorimotor cortex in the rat. <i>NeuroReport</i> , <b>1996</b> , 7, 597-600	1.7	54
3	Participation of ACTH1-10 and ACTH4-10 on the melatonin modulation of benzodiazepine receptors in rat cerebral cortex. <i>Experientia</i> , <b>1995</b> , 51, 209-12		1
2	Cell protective role of melatonin in the brain. <i>Journal of Pineal Research</i> , <b>1995</b> , 19, 57-63	10.4	140
1	Age-related changes of neuronal responsiveness to melatonin in the striatum of sham-operated and pinealectomized rats. <i>Journal of Pineal Research</i> , <b>1995</b> , 19, 79-86	10.4	16