

# Dun-Xian Tan

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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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.

211  
papers

27,877  
citations

97  
h-index

164  
g-index

216  
ext. papers

30,930  
ext. citations

6.4  
avg, IF

7.13  
L-index

#	Paper	IF	Citations
211	Mechanisms and clinical evidence to support melatonin's use in severe COVID-19 patients to lower mortality.. <i>Life Sciences</i> , <b>2022</b> , 294, 120368	6.8	2
210	Melatonin Use for SARS-CoV-2 Infection:Time to Diversify the Treatment Portfolio.. <i>Journal of Medical Virology</i> , <b>2022</b> ,	19.7	0
209	Strategies to generate melatonin-enriched transgenic rice to respond to the adverse effects on rice production potentially caused by global warming. <i>Melatonin Research</i> , <b>2021</b> , 4, 501-506	5.1	4
208	Genesis of the nucleus from bacterial sporulation: A simple hypothesis of eukaryotic origin. <i>Neuroendocrinology Letters</i> , <b>2021</b> , 42, 113-127	0.3	
207	An evolutionary view of melatonin synthesis and metabolism related to its biological functions in plants. <i>Journal of Experimental Botany</i> , <b>2020</b> , 71, 4677-4689	7	45
206	Protection by melatonin in respiratory diseases: valuable information for the treatment of COVID-19. <i>Melatonin Research</i> , <b>2020</b> , 3, 264-275	5.1	12
205	Estimated doses of melatonin for treating deadly virus infections: focus on COVID-19. <i>Melatonin Research</i> , <b>2020</b> , 3, 276-296	5.1	8
204	Melatonin as adjuvant treatment for coronavirus disease 2019 pneumonia patients requiring hospitalization (MAC-19 PRO): a case series. <i>Melatonin Research</i> , <b>2020</b> , 3, 297-310	5.1	34
203	Targeting Host Defense System and Rescuing Compromised Mitochondria to Increase Tolerance against Pathogens by Melatonin May Impact Outcome of Deadly Virus Infection Pertinent to COVID-19. <i>Molecules</i> , <b>2020</b> , 25,	4.8	23
202	Aging: An evolutionary competition between host cells and mitochondria. <i>Medical Hypotheses</i> , <b>2019</b> , 127, 120-128	3.8	1
201	Mitochondria: the birth place, battle ground and the site of melatonin metabolism in cells. <i>Melatonin Research</i> , <b>2019</b> , 2, 44-66	5.1	37
200	Melatonin: A Versatile Protector against Oxidative DNA Damage. <i>Molecules</i> , <b>2018</b> , 23,	4.8	126
199	A Computer-Assisted Systematic Search for Melatonin Derivatives with High Potential as Antioxidants. <i>Melatonin Research</i> , <b>2018</b> , 1, 27-58	5.1	17
198	Historical Perspective and Evaluation of the Mechanisms by which Melatonin Mediates Seasonal Reproduction in Mammals. <i>Melatonin Research</i> , <b>2018</b> , 1, 59-77	5.1	16
197	Melatonin alleviates low PS I-limited carbon assimilation under elevated CO and enhances the cold tolerance of offspring in chlorophyll b-deficient mutant wheat. <i>Journal of Pineal Research</i> , <b>2018</b> , 64, e12453	10.4	77
196	Melatonin and sirtuins: A "not-so unexpected" relationship. <i>Journal of Pineal Research</i> , <b>2017</b> , 62, e12391	10.4	102
195	Melatonin antagonizes interleukin-18-mediated inhibition on neural stem cell proliferation and differentiation. <i>Journal of Cellular and Molecular Medicine</i> , <b>2017</b> , 21, 2163-2171	5.6	15

194	Melatonin's role as a co-adjuvant treatment in colonic diseases: A review. <i>Life Sciences</i> , <b>2017</b> , 170, 72-81	6.8	47
193	Natural Variation in Banana Varieties Highlights the Role of Melatonin in Postharvest Ripening and Quality. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 9987-9994	5.7	73
192	Melatonin and Related Compounds: Chemical Insights into their Protective Effects Against Oxidative Stress. <i>Current Organic Chemistry</i> , <b>2017</b> , 21,	1.7	10
191	Melatonin as a mitochondria-targeted antioxidant: one of evolution's best ideas. <i>Cellular and Molecular Life Sciences</i> , <b>2017</b> , 74, 3863-3881	10.3	255
190	Melatonin Improves Waterlogging Tolerance of (Linn.) Borkh. Seedlings by Maintaining Aerobic Respiration, Photosynthesis and ROS Migration. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 483	6.2	45
189	Melatonin, a Full Service Anti-Cancer Agent: Inhibition of Initiation, Progression and Metastasis. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	230
188	A label-free differential proteomics analysis reveals the effect of melatonin on promoting fruit ripening and anthocyanin accumulation upon postharvest in tomato. <i>Journal of Pineal Research</i> , <b>2016</b> , 61, 138-53	10.4	105
187	Melatonin's role in preventing toxin-related and sepsis-mediated hepatic damage: A review. <i>Pharmacological Research</i> , <b>2016</b> , 105, 108-20	10.2	28
186	CSF generation by pineal gland results in a robust melatonin circadian rhythm in the third ventricle as an unique light/dark signal. <i>Medical Hypotheses</i> , <b>2016</b> , 86, 3-9	3.8	40
185	Melatonin: A Mitochondrial Targeting Molecule Involving Mitochondrial Protection and Dynamics. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	182
184	Phenolic Melatonin-Related Compounds: Their Role as Chemical Protectors against Oxidative Stress. <i>Molecules</i> , <b>2016</b> , 21,	4.8	33
183	Melatonin enhances cold tolerance in drought-primed wild-type and abscisic acid-deficient mutant barley. <i>Journal of Pineal Research</i> , <b>2016</b> , 61, 328-39	10.4	101
182	Melatonin alleviates acute lung injury through inhibiting the NLRP3 inflammasome. <i>Journal of Pineal Research</i> , <b>2016</b> , 60, 405-14	10.4	146
181	Melatonin role preventing steatohepatitis and improving liver transplantation results. <i>Cellular and Molecular Life Sciences</i> , <b>2016</b> , 73, 2911-27	10.3	14
180	Potential benefits of melatonin in organ transplantation: a review. <i>Journal of Endocrinology</i> , <b>2016</b> , 229, R129-46	4.7	26
179	Melatonin biosynthesis in plants: multiple pathways catalyze tryptophan to melatonin in the cytoplasm or chloroplasts. <i>Journal of Pineal Research</i> , <b>2016</b> , 61, 426-437	10.4	187
178	Melatonin as an antioxidant: under promises but over delivers. <i>Journal of Pineal Research</i> , <b>2016</b> , 61, 253-78.4	78.4	786
177	On the significance of an alternate pathway of melatonin synthesis via 5-methoxytryptamine: comparisons across species. <i>Journal of Pineal Research</i> , <b>2016</b> , 61, 27-40	10.4	150

176	Melatonin mediates the regulation of ABA metabolism, free-radical scavenging, and stomatal behaviour in two <i>Malus</i> species under drought stress. <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 669-80	7	239
175	Melatonin induces class A1 heat-shock factors (HSFA1s) and their possible involvement of thermotolerance in <i>Arabidopsis</i> . <i>Journal of Pineal Research</i> , <b>2015</b> , 58, 335-42	10.4	140
174	Melatonin delays leaf senescence and enhances salt stress tolerance in rice. <i>Journal of Pineal Research</i> , <b>2015</b> , 59, 91-101	10.4	184
173	Melatonin enhances the occurrence of autophagy induced by oxidative stress in <i>Arabidopsis</i> seedlings. <i>Journal of Pineal Research</i> , <b>2015</b> , 58, 479-89	10.4	53
172	Caloric restriction, resveratrol and melatonin: Role of SIRT1 and implications for aging and related-diseases. <i>Mechanisms of Ageing and Development</i> , <b>2015</b> , 146-148, 28-41	5.6	114
171	Comparative physiological and proteomic analyses reveal the actions of melatonin in the reduction of oxidative stress in Bermuda grass ( <i>Cynodon dactylon</i> (L). Pers.). <i>Journal of Pineal Research</i> , <b>2015</b> , 59, 120-31	10.4	96
170	INDOLE-3-ACETIC ACID INDUCIBLE 17 positively modulates natural leaf senescence through melatonin-mediated pathway in <i>Arabidopsis</i> . <i>Journal of Pineal Research</i> , <b>2015</b> , 58, 26-33	10.4	115
169	Melatonin: an ancient molecule that makes oxygen metabolically tolerable. <i>Journal of Pineal Research</i> , <b>2015</b> , 59, 403-19	10.4	595
168	Comparative metabolomic analysis highlights the involvement of sugars and glycerol in melatonin-mediated innate immunity against bacterial pathogen in <i>Arabidopsis</i> . <i>Scientific Reports</i> , <b>2015</b> , 5, 15815	4.9	67
167	Predominance of 2-hydroxymelatonin over melatonin in plants. <i>Journal of Pineal Research</i> , <b>2015</b> , 59, 448-54	10.4	50
166	Melatonin induces nitric oxide and the potential mechanisms relate to innate immunity against bacterial pathogen infection in <i>Arabidopsis</i> . <i>Journal of Pineal Research</i> , <b>2015</b> , 59, 102-8	10.4	167
165	Melatonin induces the transcripts of CBF/DREB1s and their involvement in both abiotic and biotic stresses in <i>Arabidopsis</i> . <i>Journal of Pineal Research</i> , <b>2015</b> , 59, 334-42	10.4	115
164	Phytomelatonin: assisting plants to survive and thrive. <i>Molecules</i> , <b>2015</b> , 20, 7396-437	4.8	225
163	Melatonin as a Potent and Inducible Endogenous Antioxidant: Synthesis and Metabolism. <i>Molecules</i> , <b>2015</b> , 20, 18886-906	4.8	306
162	Diabetes and Alzheimer disease, two overlapping pathologies with the same background: oxidative stress. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2015</b> , 2015, 985845	6.7	76
161	<i>Arabidopsis</i> serotonin N-acetyltransferase knockout mutant plants exhibit decreased melatonin and salicylic acid levels resulting in susceptibility to an avirulent pathogen. <i>Journal of Pineal Research</i> , <b>2015</b> , 58, 291-9	10.4	124
160	Comparative physiological, metabolomic, and transcriptomic analyses reveal mechanisms of improved abiotic stress resistance in bermudagrass [ <i>Cynodon dactylon</i> (L). Pers.] by exogenous melatonin. <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 681-94	7	310
159	Melatonin uptake through glucose transporters: a new target for melatonin inhibition of cancer. <i>Journal of Pineal Research</i> , <b>2015</b> , 58, 234-50	10.4	94

158	Melatonin and plants. <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 625-626	7	20
157	Protective Effects of Melatonin and Mitochondria-targeted Antioxidants Against Oxidative Stress: A Review. <i>Current Medicinal Chemistry</i> , <b>2015</b> , 22, 2690-711	4.3	100
156	Extrapineal melatonin: sources, regulation, and potential functions. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 2997-3025	10.3	562
155	Role of melatonin on production and preservation of gametes and embryos: a brief review. <i>Animal Reproduction Science</i> , <b>2014</b> , 145, 150-60	2.1	54
154	Protective effects of melatonin in reducing oxidative stress and in preserving the fluidity of biological membranes: a review. <i>Journal of Pineal Research</i> , <b>2014</b> , 56, 225-37	10.4	311
153	Melatonin identified in meats and other food stuffs: potentially nutritional impact. <i>Journal of Pineal Research</i> , <b>2014</b> , 57, 213-8	10.4	52
152	Ebola virus disease: potential use of melatonin as a treatment. <i>Journal of Pineal Research</i> , <b>2014</b> , 57, 381-40.4	4.0	48
151	Melatonin enhances photo-oxidation of 2',7'-dichlorodihydrofluorescein by an antioxidant reaction that renders N1-acetyl-N2-formyl-5-methoxykynuramine (AFMK). <i>PLoS ONE</i> , <b>2014</b> , 9, e109257	3.7	9
150	Antioxidant and Anti-Inflammatory Role of Melatonin in Alzheimer's Neurodegeneration <b>2014</b> , 177-193		5
149	Melatonin promotes superovulation in sika deer ( <i>Cervus nippon</i> ). <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 12107-18	6.3	7
148	Effects of melatonin on the proliferation and apoptosis of sheep granulosa cells under thermal stress. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 21090-104	6.3	41
147	Melatonin reduces lipid peroxidation and membrane viscosity. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 377	4.6	85
146	Clinical relevance of melatonin in ovarian and placental physiology: a review. <i>Gynecological Endocrinology</i> , <b>2014</b> , 30, 83-9	2.4	48
145	Fundamental issues related to the origin of melatonin and melatonin isomers during evolution: relation to their biological functions. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 15858-90	6.3	120
144	Cyclic-3-hydroxymelatonin (C3HOM), a potent antioxidant, scavenges free radicals and suppresses oxidative reactions. <i>Current Medicinal Chemistry</i> , <b>2014</b> , 21, 1557-65	4.3	62
143	Melatonin in the biliary tract and liver: health implications. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 4788-801	9.3	24
142	Mitochondria and chloroplasts as the original sites of melatonin synthesis: a hypothesis related to melatonin's primary function and evolution in eukaryotes. <i>Journal of Pineal Research</i> , <b>2013</b> , 54, 127-38	10.4	345
141	Peripheral reproductive organ health and melatonin: ready for prime time. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 7231-72	6.3	130

140	Melatonin induces browning of inguinal white adipose tissue in Zucker diabetic fatty rats. <i>Journal of Pineal Research</i> , <b>2013</b> , 55, 416-23	10.4	120
139	A novel enzyme-dependent melatonin metabolite in humans. <i>Journal of Pineal Research</i> , <b>2013</b> , 54, 100-6	10.4	22
138	Melatonin and its potential biological functions in the fruits of sweet cherry. <i>Journal of Pineal Research</i> , <b>2013</b> , 55, 79-88	10.4	178
137	A walnut-enriched diet reduces the growth of LNCaP human prostate cancer xenografts in nude mice. <i>Cancer Investigation</i> , <b>2013</b> , 31, 365-73	2.1	34
136	The Universal Nature, Unequal Distribution and Antioxidant Functions of Melatonin and Its Derivatives. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2013</b> , 13, 373-384	3.2	5
135	Identification of genes for melatonin synthetic enzymes in 'Red Fuji' apple ( <i>Malus domestica</i> Borkh.cv.Red) and their expression and melatonin production during fruit development. <i>Journal of Pineal Research</i> , <b>2013</b> , 55, 443-51	10.4	71
134	The universal nature, unequal distribution and antioxidant functions of melatonin and its derivatives. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2013</b> , 13, 373-84	3.2	153
133	Effects of melatonin on superovulation and transgenic embryo transplantation in small-tailed han sheep ( <i>Ovis aries</i> ). <i>Neuroendocrinology Letters</i> , <b>2013</b> , 34, 294-301	0.3	13
132	Glucose: a vital toxin and potential utility of melatonin in protecting against the diabetic state. <i>Molecular and Cellular Endocrinology</i> , <b>2012</b> , 349, 128-37	4.4	36
131	When the circadian clock becomes a ticking time bomb. <i>Chronobiology International</i> , <b>2012</b> , 29, 1286-7	3.6	14
130	Obesity and metabolic syndrome: association with chronodisruption, sleep deprivation, and melatonin suppression. <i>Annals of Medicine</i> , <b>2012</b> , 44, 564-77	1.5	143
129	Role of melatonin in the regulation of autophagy and mitophagy: a review. <i>Molecular and Cellular Endocrinology</i> , <b>2012</b> , 361, 12-23	4.4	114
128	Melatonin protection from chronic, low-level ionizing radiation. <i>Mutation Research - Reviews in Mutation Research</i> , <b>2012</b> , 751, 7-14	7	13
127	Functional roles of melatonin in plants, and perspectives in nutritional and agricultural science. <i>Journal of Experimental Botany</i> , <b>2012</b> , 63, 577-97	7	392
126	Beneficial actions of melatonin in the management of viral infections: a new use for this "molecular handyman"?. <i>Reviews in Medical Virology</i> , <b>2012</b> , 22, 323-38	11.7	46
125	Melatonin, the circadian multioscillator system and health: the need for detailed analyses of peripheral melatonin signaling. <i>Journal of Pineal Research</i> , <b>2012</b> , 52, 139-66	10.4	310
124	Alzheimer's disease: pathological mechanisms and the beneficial role of melatonin. <i>Journal of Pineal Research</i> , <b>2012</b> , 52, 167-202	10.4	217
123	Melatonin promotes embryonic development and reduces reactive oxygen species in vitrified mouse 2-cell embryos. <i>Journal of Pineal Research</i> , <b>2012</b> , 52, 305-11	10.4	89

122	Emergence of naturally occurring melatonin isomers and their proposed nomenclature. <i>Journal of Pineal Research</i> , <b>2012</b> , 53, 113-21	10.4	49
121	The disaster in Japan: utility of melatonin in providing protection against ionizing radiation. <i>Journal of Pineal Research</i> , <b>2011</b> , 50, 357-8	10.4	11
120	Impaired mitochondrial complex III and melatonin responsive reactive oxygen species generation in kidney mitochondria of db/db mice. <i>Journal of Pineal Research</i> , <b>2011</b> , 51, 338-44	10.4	31
119	Analysis of N1-acetyl-N2-formyl-5-methoxykynuramine/N1-acetyl-5-methoxy-kynuramine formation from melatonin in mice. <i>Journal of Pineal Research</i> , <b>2010</b> , 49, 106-14	10.4	13
118	Beneficial effects of melatonin in cardiovascular disease. <i>Annals of Medicine</i> , <b>2010</b> , 42, 276-85	1.5	99
117	Melatonin: a multitasking molecule. <i>Progress in Brain Research</i> , <b>2010</b> , 181, 127-51	2.9	432
116	The changing biological roles of melatonin during evolution: from an antioxidant to signals of darkness, sexual selection and fitness. <i>Biological Reviews</i> , <b>2010</b> , 85, 607-23	13.5	189
115	Neurotoxins: free radical mechanisms and melatonin protection. <i>Current Neuropharmacology</i> , <b>2010</b> , 8, 194-210	7.6	121
114	Melatonin and brain. <i>Current Neuropharmacology</i> , <b>2010</b> , 8, 161	7.6	9
113	Functional aspects of redox control during neuroinflammation. <i>Antioxidants and Redox Signaling</i> , <b>2010</b> , 13, 193-247	8.4	49
112	Significance of high levels of endogenous melatonin in Mammalian cerebrospinal fluid and in the central nervous system. <i>Current Neuropharmacology</i> , <b>2010</b> , 8, 162-7	7.6	75
111	Role of melatonin in the epigenetic regulation of breast cancer. <i>Breast Cancer Research and Treatment</i> , <b>2009</b> , 115, 13-27	4.4	61
110	Role of melatonin in metabolic regulation. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2009</b> , 10, 261-70	10.5	93
109	Combination of melatonin and a peroxisome proliferator-activated receptor-gamma agonist induces apoptosis in a breast cancer cell line. <i>Journal of Pineal Research</i> , <b>2009</b> , 46, 115-6	10.4	39
108	Kynuramines, metabolites of melatonin and other indoles: the resurrection of an almost forgotten class of biogenic amines. <i>Journal of Pineal Research</i> , <b>2009</b> , 47, 109-126	10.4	379
107	Phytomelatonin: a review. <i>Journal of Experimental Botany</i> , <b>2009</b> , 60, 57-69	7	250
106	Melatonin and the ovary: physiological and pathophysiological implications. <i>Fertility and Sterility</i> , <b>2009</b> , 92, 328-43	4.8	281
105	Melatonin and reproduction revisited. <i>Biology of Reproduction</i> , <b>2009</b> , 81, 445-56	3.9	274



104	Melatonin: an established antioxidant worthy of use in clinical trials. <i>Molecular Medicine</i> , <b>2009</b> , 15, 43-50	6.2	218
103	Melatonin and pregnancy in the human. <i>Reproductive Toxicology</i> , <b>2008</b> , 25, 291-303	3.4	183
102	Melatonin combats molecular terrorism at the mitochondrial level. <i>Interdisciplinary Toxicology</i> , <b>2008</b> , 1, 137-49	2.3	83
101	Acute and delayed sulfur mustard toxicity; novel mechanisms and future studies. <i>Interdisciplinary Toxicology</i> , <b>2008</b> , 1, 22-6	2.3	26
100	Hyperglycemia-related pathophysiologic mechanisms and potential beneficial actions of melatonin. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2008</b> , 8, 1144-53	3.2	20
99	Cardiovascular diseases: protective effects of melatonin. <i>Journal of Pineal Research</i> , <b>2008</b> , 44, 16-25	10.4	205
98	Reactive oxygen species and the hypomotility of the gall bladder as targets for the treatment of gallstones with melatonin: a review. <i>Digestive Diseases and Sciences</i> , <b>2008</b> , 53, 2592-603	4	35
97	Autoxidation and Toxicant-Induced Oxidation of Lipid and DNA in Monkey Liver: Reduction of Molecular Damage by Melatonin. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2008</b> , 89, 225-230		
96	Melatonin uptake in prostate cancer cells: intracellular transport versus simple passive diffusion. <i>Journal of Pineal Research</i> , <b>2008</b> , 45, 247-57	10.4	40
95	Critical role of glutathione in melatonin enhancement of tumor necrosis factor and ionizing radiation-induced apoptosis in prostate cancer cells in vitro. <i>Journal of Pineal Research</i> , <b>2008</b> , 45, 258-70	10.4	47
94	Melatonin reduces mortality and oxidatively mediated hepatic and renal damage due to diquat treatment. <i>Journal of Pineal Research</i> , <b>2007</b> , 42, 166-71	10.4	43
93	One molecule, many derivatives: a never-ending interaction of melatonin with reactive oxygen and nitrogen species?. <i>Journal of Pineal Research</i> , <b>2007</b> , 42, 28-42	10.4	1160
92	Melatonin as a naturally occurring co-substrate of quinone reductase-2, the putative MT3 melatonin membrane receptor: hypothesis and significance. <i>Journal of Pineal Research</i> , <b>2007</b> , 43, 317-20	10.4	100
91	Melatonin therapy in fibromyalgia. <i>Current Pain and Headache Reports</i> , <b>2007</b> , 11, 339-42	4.2	33
90	Melatonin in edible plants (phytomelatonin): Identification, concentrations, bioavailability and proposed functions. <i>World Review of Nutrition and Dietetics</i> , <b>2007</b> , 97, 211-230	0.2	72
89	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
88	Phytoremediative capacity of plants enriched with melatonin. <i>Plant Signaling and Behavior</i> , <b>2007</b> , 2, 514-6	5	145
87	Melatonin as pharmacologic support in burn patients: a proposed solution to thermal injury-related lymphocytopenia and oxidative damage. <i>Critical Care Medicine</i> , <b>2007</b> , 35, 1177-85	1.4	41



86	Novel rhythms of N1-acetyl-N2-formyl-5-methoxykynuramine and its precursor melatonin in water hyacinth: importance for phytoremediation. <i>FASEB Journal</i> , <b>2007</b> , 21, 1724-9	0.9	155
85	Light at night, chronodisruption, melatonin suppression, and cancer risk: a review. <i>Critical Reviews in Oncogenesis</i> , <b>2007</b> , 13, 303-28	1.3	159
84	Melatonin and its metabolites: new findings regarding their production and their radical scavenging actions. <i>Acta Biochimica Polonica</i> , <b>2007</b> , 54, 1-9	2	85
83	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
82	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
81	Free Radical-Mediated Molecular Damage. <i>Annals of the New York Academy of Sciences</i> , <b>2006</b> , 939, 200-265	265	
80	Protective effects of melatonin in experimental free radical-related ocular diseases. <i>Journal of Pineal Research</i> , <b>2006</b> , 40, 101-9	10.4	129
79	Inhibitory effect of melatonin on diquat-induced lipid peroxidation in vivo as assessed by the measurement of F2-isoprostanes. <i>Journal of Pineal Research</i> , <b>2006</b> , 40, 326-31	10.4	29
78	Urinary metabolites and antioxidant products of exogenous melatonin in the mouse. <i>Journal of Pineal Research</i> , <b>2006</b> , 40, 343-9	10.4	50
77	When melatonin gets on your nerves: its beneficial actions in experimental models of stroke. <i>Experimental Biology and Medicine</i> , <b>2005</b> , 230, 104-17	3.7	129
76	Physiological ischemia/reperfusion phenomena and their relation to endogenous melatonin production: a hypothesis. <i>Endocrine</i> , <b>2005</b> , 27, 149-58		31
75	Melatonin mitigates mitochondrial malfunction. <i>Journal of Pineal Research</i> , <b>2005</b> , 38, 1-9	10.4	418
74	Interactions between melatonin and nicotinamide nucleotide: NADH preservation in cells and in cell-free systems by melatonin. <i>Journal of Pineal Research</i> , <b>2005</b> , 39, 185-94	10.4	39
73	Melatonin as an antioxidant: physiology versus pharmacology. <i>Journal of Pineal Research</i> , <b>2005</b> , 39, 215-60.4	10.4	162
72	Purslane: a plant source of omega-3 fatty acids and melatonin. <i>Journal of Pineal Research</i> , <b>2005</b> , 39, 331-20.4	10.4	79
71	Melatonin in walnuts: influence on levels of melatonin and total antioxidant capacity of blood. <i>Nutrition</i> , <b>2005</b> , 21, 920-4	4.8	261
70	Anti-inflammatory actions of melatonin and its metabolites, N1-acetyl-N2-formyl-5-methoxykynuramine (AFMK) and N1-acetyl-5-methoxykynuramine (AMK), in macrophages. <i>Journal of Neuroimmunology</i> , <b>2005</b> , 165, 139-49	3.5	232
69	Melatonin reduces prostate cancer cell growth leading to neuroendocrine differentiation via a receptor and PKA independent mechanism. <i>Prostate</i> , <b>2005</b> , 63, 29-43	4.2	128

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