Gregory M Brown

List of Publications by Year
in descending order

100 papers	5,349 citations	76326 40 h-index	85541 71 g-index
101 all docs	101 docs citations	101 times ranked	5388 citing authors

#	Article	IF	Citations
1	Melatoninâ€"A pleiotropic, orchestrating regulator molecule. Progress in Neurobiology, 2011, 93, 350-384.	5.7	680
2	Melatonin and its analogs in insomnia and depression. Journal of Pineal Research, 2012, 52, 365-375.	7.4	264
3	Melatonin Antioxidative Defense: Therapeutical Implications for Aging and Neurodegenerative Processes. Neurotoxicity Research, 2013, 23, 267-300.	2.7	255
4	Differential modulation of GABAA receptor function by Mel1a and Mel1b receptors. Nature Neuroscience, 1999, 2, 401-403.	14.8	177
5	Melatonin and brain inflammaging. Progress in Neurobiology, 2015, 127-128, 46-63.	5.7	144
6	A Randomized, Double-Blind, Placebo-Controlled Crossover Study of the Effect of Exogenous Melatonin on Delayed Sleep Phase Syndrome. Psychosomatic Medicine, 2001, 63, 40-48.	2.0	129
7	Melatonin receptors in brain. European Journal of Pharmacology, 1979, 55, 219-220.	3.5	125
8	Antibodies to Indolealkylamines; Serotonin and Melatonin. Canadian Journal of Biochemistry, 1974, 52, 196-202.	1.4	120
9	Sleep and circadian rhythm dysregulation in schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2013, 43, 209-216.	4.8	118
10	Prospects of the Clinical Utilization of Melatonin. NeuroSignals, 1998, 7, 195-219.	0.9	117
11	Clarifying the role of sleep in depression: A narrative review. Psychiatry Research, 2020, 291, 113239.	3.3	116
12	The effects of exogenous melatonin on the total sleep time and daytime alertness of chronic insomniacs: A preliminary study. Biological Psychiatry, 1991, 30, 371-376.	1.3	115
13	Nocturnal melatonin and 24-hour 6-sulphatoxymelatonin levels in various phases of bipolar affective disorder. Psychiatry Research, 1996, 63, 219-222.	3.3	113
14	Measurement of melatonin in body fluids: Standards, protocols and procedures. Child's Nervous System, 2011, 27, 879-891.	1.1	111
15	Potential use of melatonergic drugs in analgesia: Mechanisms of action. Brain Research Bulletin, 2010, 81, 362-371.	3.0	102
16	Cyclical Regulation of GnRH Gene Expression in GT1â€"7 GnRH-Secreting Neurons by Melatonin. Endocrinology, 2001, 142, 4711-4720.	2.8	96
17	Bidirectional communication between sleep and circadian rhythms and its implications for depression: Lessons from agomelatine. Progress in Neurobiology, 2009, 88, 264-271.	5.7	96
18	Pinealectomy Reduces Melatonin Levels in the Serum but Not in the Gastrointestinal Tract of Rats. NeuroSignals, 1997, 6, 40-44.	0.9	94

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19	Melatonin in human cerebrospinal fluid in daytime; Its origin and variation with age. Life Sciences, 1979, 25, 929-936.	4.3	89
20	Jet lag, circadian rhythm sleep disturbances, and depression: the role of melatonin and its analogs. Advances in Therapy, 2010, 27, 796-813.	2.9	88
21	Therapeutic potential of melatonin and its analogs in Parkinsonâ€™s disease: focus on sleep and neuroprotection. Therapeutic Advances in Neurological Disorders, 2011, 4, 297-317.	3.5	79
22	Melatonin concentrations in the luminal fluid, mucosa, and muscularis of the bovine and porcine gastrointestinal tract. Journal of Pineal Research, 1999, 26, 56-63.	7.4	78
23	Dopaminergic and GABAergic amacrine cells are direct targets of melatonin: Immunocytochemical study of mt1 melatonin receptor in guinea pig retina. Visual Neuroscience, 2000, 17, 63-70.	1.0	73
24	Ramelteon: a review of its therapeutic potential in sleep disorders. Advances in Therapy, 2009, 26, 613-626.	2.9	70
25	MT(1) melatonin receptor in the human retina: expression and localization. Investigative Ophthalmology and Visual Science, 2002, 43, 889-97.	3.3	70
26	Melatonin and Human Cardiovascular Disease. Journal of Cardiovascular Pharmacology and Therapeutics, 2017, 22, 122-132.	2.0	65
27	Melatonin as a therapeutic tool in ophthalmology: implications for glaucoma and uveitis. Journal of Pineal Research, 2010, 49, no-no.	7.4	64
28	Chronobiological theories of mood disorder. European Archives of Psychiatry and Clinical Neuroscience, 2018, 268, 107-118.	3.2	63
29	Melatonin in Mitochondrial Dysfunction and Related Disorders. International Journal of Alzheimer's Disease, 2011, 2011, 1-16.	2.0	60
30	Potential involvement of mt1 receptor and attenuated sex steroid-induced calcium influx in the direct anti-proliferative action of melatonin on androgen-responsive LNCaP human prostate cancer cells. Journal of Pineal Research, 2000, 29, 172-183.	7.4	59
31	Melatonin and Cortisol â€œSwitchesâ€•during Mania, Depression, and Euthymia in a Drug-Free Bipolar Patient. Journal of Nervous and Mental Disease, 1989, 177, 300-303.	1.0	58
32	Effects of self-generated sad mood on regional cerebral activity: A PET study in normal subjects. Depression, 1996, 4, 81-88.	0.6	58
33	Can Melatonin Be a Potential â€œSilver Bulletâ€•in Treating COVID-19 Patients?. Diseases (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock	2.5	55
34	Malaria: therapeutic implications of melatonin. Journal of Pineal Research, 2010, 48, 1-8.	7.4	53
35	Melatonin agonists in primary insomnia and depression-associated insomnia: Are they superior to sedative-hypnotics?. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 913-923.	4.8	50
36	Elderly as a High-risk Group during COVID-19 Pandemic: Effect of Circadian Misalignment, Sleep Dysregulation and Melatonin Administration. Sleep and Vigilance, 2020, 4, 81-87.	0.8	48

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37	Melatonin and its relevance to jet lag. Travel Medicine and Infectious Disease, 2009, 7, 69-81.	3.0	43
38	Melatoninâ€™s neuroprotective role in mitochondria and its potential as a biomarker in aging, cognition and psychiatric disorders. Translational Psychiatry, 2021, 11, 339.	4.8	42
39	Radioimmunoassay of melatonin in rat serum. Progress in Neuro-Psychopharmacology & Biological Psychiatry, 1981, 5, 523-526.	0.6	41
40	Human melatonin MT1 receptor induction by valproic acid and its effects in combination with melatonin on MCF-7 breast cancer cell proliferation. European Journal of Pharmacology, 2007, 560, 17-22.	3.5	41
41	Melatonin and Its Agonist Ramelteon in Alzheimer's Disease: Possible Therapeutic Value. International Journal of Alzheimer's Disease, 2011, 2011, 1-15.	2.0	41
42	Melatonin and corticosterone regulation: Feeding time or the light:Dark cycle?. Life Sciences, 1979, 25, 1837-1842.	4.3	40
43	Melatonin in Psychiatric and Sleep Disorders. CNS Drugs, 1995, 3, 209-226.	5.9	40
44	24-Hour Rhythm of Hypothalamic Melatonin Immunofluorescence Correlates with Serum and Retinal Melatonin Rhythms. Neuroendocrinology, 1982, 34, 363-368.	2.5	39
45	Immortalized cells from the rat suprachiasmatic nucleus express functional melatonin receptors. Brain Research, 2004, 1002, 21-27.	2.2	39
46	Association of Per3 length polymorphism with bipolar I disorder and schizophrenia. Neuropsychiatric Disease and Treatment, 2014, 10, 2325.	2.2	38
47	All amacrine cells express the MT1 melatonin receptor in human and macaque retina. Experimental Eye Research, 2003, 77, 375-382.	2.6	37
48	Depressive disorders: Processes leading to neurogeneration and potential novel treatments. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 80, 189-204.	4.8	37
49	Some implications of melatonin use in chronopharmacology of insomnia. European Journal of Pharmacology, 2015, 762, 42-48.	3.5	34
50	Pineal involvement in the diurnal rhythm of nociception in the rat. Life Sciences, 1989, 44, 1067-1075.	4.3	32
51	Localization and characterization of [125I]iodomelatonin binding sites in duck gonads. Journal of Pineal Research, 1994, 17, 39-47.	7.4	32
52	Effects of Melatonin and Epiphyseal Proteins on Fluoride-Induced Adverse Changes in Antioxidant Status of Heart, Liver, and Kidney of Rats. Advances in Pharmacological Sciences, 2014, 2014, 1-6.	3.7	31
53	Relationship between Pineal N-Acetyltransferase Activity, Pineal Melatonin and Serum Melatonin in Rats under Different Lighting Conditions. Neuroendocrinology, 1984, 39, 465-470.	2.5	30
54	Rapid cycling in severely multidisabled children: A form of bipolar affective disorder?. Pediatric Neurology, 1994, 10, 34-39.	2.1	29

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55	Should we listen to our clock to prevent type 2 diabetes mellitus?. Diabetes Research and Clinical Practice, 2014, 106, 182-190.	2.8	28
56	Anorexia nervosa and â€˜Turner syndromeâ€™: cause or coincidence?. Psychological Medicine, 1981, 11, 141-145.	4.5	27
57	Scheduled Feeding and 24-Hour Rhythms ofN-Acetylserotonin and Melatonin in Rats*. Endocrinology, 1985, 116, 1858-1862.	2.8	27
58	Investigations of melatonin secretion in man. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1985, 9, 609-612.	4.8	25
59	Pineal and adrenal function before and after refeeding in anorexia nervosa. Biological Psychiatry, 1991, 30, 216-224.	1.3	25
60	Per3 length polymorphism in patients with type 2 diabetes mellitus. Hormone Molecular Biology and Clinical Investigation, 2014, 18, 145-149.	0.7	25
61	Cyclical Regulation of GnRH Gene Expression in GT1-7 GnRH-Secreting Neurons by Melatonin. Endocrinology, 2001, 142, 4711-4720.	2.8	25
62	Effect of Oral Melatonin Administration on Melatonin, 5-Hydroxyindoleacetic Acid, Indoleacetic Acid, and Cyclic Nucleotides in Human Cerebrospinal Fluid. Neuroendocrinology, 1984, 39, 87-92.	2.5	24
63	Chronotherapy. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 179, 357-370.	1.8	22
64	Localization and characterization of melatonin receptors in the rabbit spinal cord. Neuroscience Letters, 1996, 204, 77-80.	2.1	18
65	Diminished Serotonin-Mediated Prolactin Responses in Nondepressed Stroke Patients Compared With Healthy Normal Subjects. Stroke, 1998, 29, 1293-1298.	2.0	18
66	Pharmacotherapy of Insomnia with Ramelteon: Safety, Efficacy and Clinical Applications. Journal of Central Nervous System Disease, 2011, 3, JCNSD.S1611.	1.9	18
67	Circadian genes in major depressive disorder. World Journal of Biological Psychiatry, 2020, 21, 80-90.	2.6	17
68	60 Hz magnetic field exposure and urinary 6-sulphatoxymelatonin levels in the rat. Bioelectromagnetics, 1998, 19, 172-180.	1.6	15
69	Autism Spectrum Disorder patients may be susceptible to COVID-19 disease due to deficiency in melatonin. Medical Hypotheses, 2021, 149, 110544.	1.5	15
70	Melatonin use during pregnancy and lactation: A scoping review of human studies. Revista Brasileira De Psiquiatria, 2022, 44, 342-348.	1.7	15
71	EFFECT OF PSYCHOSOCIAL STIMULI AND LIMBIC LESIONS ON PROLACTIN AT REST AND FOLLOWING STRESS. Clinical Endocrinology, 1977, 6, 29-41.	2.4	13
72	Understanding the role of sleep and its disturbances in Autism spectrum disorder. International Journal of Neuroscience, 2020, 130, 1033-1046.	1.6	13

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73	Melatonin agonists for treatment of sleep and depressive disorders. Journal of Experimental and Integrative Medicine, 2011, 1, 149.	0.1	13
74	Melatonergic Drugs for Therapeutic Use in Insomnia and Sleep Disturbances of Mood Disorders. CNS and Neurological Disorders - Drug Targets, 2012, 11, 180-189.	1.4	11
75	Mitochondriaâ€™s role in sleep: Novel insights from sleep deprivation and restriction studies. World Journal of Biological Psychiatry, 2022, 23, 1-13.	2.6	10
76	An urgent proposal for the immediate use of melatonin as an adjuvant to anti- SARS-CoV-2 vaccination. Melatonin Research, 2021, 4, 206-212.	1.1	10
77	Coadministration of Melatonin and Insulin Improves Diabetes-Induced Impairment of Rat Kidney Function. Neuroendocrinology, 2022, 112, 807-822.	2.5	10
78	Timing is everything: Circadian rhythms and their role in the control of sleep. Frontiers in Neuroendocrinology, 2022, 66, 100978.	5.2	10
79	Identification and quantification of N-acetylserotonin (NAS) in the developing hippocampus of the rat. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1982, 6, 439-442.	4.8	9
80	Effect of pinealectomy on the undernutrition-induced suppression of the reproductive axis in rats. European Journal of Endocrinology, 1989, 120, 569-573.	3.7	9
81	Great challenges to sleep medicine: problems and paradigms. Frontiers in Neurology, 2010, 1, 7.	2.4	8
82	Melatonin as an Add-On Treatment of COVID-19 Infection: Current Status. Diseases (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	2.5	8
83	An oral melatonin replacement regimen that re-establishes the normal circadian levels of urinary 6-sulphatoxymelatonin in functionally pinealectomized rats. Journal of Pineal Research, 1992, 13, 145-150.	7.4	7
84	Cerebral Epiphyseal Proteins and Melatonin Modulate the Hepatic and Renal Antioxidant Defense of Rats. International Journal of Nephrology, 2011, 2011, 1-5.	1.3	7
85	Sleep and circadian rhythms in health and disease: a complex interplay. European Archives of Psychiatry and Clinical Neuroscience, 2019, 269, 365-366.	3.2	7
86	Low melatonin as a contributor to SARS-CoV-2 disease. Melatonin Research, 2020, 3, 558-576.	1.1	7
87	Adrenal Regulation in the Wild Captive Squirrel Monkey: a Model of Chronic Stress. Canadian Psychiatric Association Journal, 1970, 15, 425-432.	0.3	6
88	Are Type 2 Diabetes Mellitus and Depression Part of a Common Clock Genes Network?. Journal of Circadian Rhythms, 2018, 16, 4.	1.3	6
89	Differential expression and interaction of melatonin and thyroid hormone receptors with estrogen receptor Î± improve ovarian functions in letrozole-induced rat polycystic ovary syndrome. Life Sciences, 2022, 295, 120086.	4.3	5
90	Effects of chronic brofaromine administration on biogenic amines including sulphatoxymelatonin and acid metabolites in patients with bulimia nervosa. Neurochemical Research, 1993, 18, 1281-1285.	3.3	3

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91	Evaluation of blood antioxidant defense and apoptosis in peripheral lymphocytes on exogenous administration of pineal proteins and melatonin in rats. Journal of Physiology and Biochemistry, 2012, 68, 237-245.	3.0	3
92	A re-evaluation of glucose tolerance in schizophrenia. Journal of Psychiatric Research, 1969, 6, 261-270.	3.1	2
93	Melatonin and Sleep: Possible Involvement of GABAergic Mechanisms. , 2010, , 279-301.		2
94	Jet Lag: Use of Melatonin and Melatonergic Drugs. , 2014, , 367-378.		2
95	Melatonin and mental illness. , 0, , 119-129.		2
96	Potential Genetic Overlap Between Insomnia and Sleep Symptoms in Major Depressive Disorder: A Polygenic Risk Score Analysis. Frontiers in Psychiatry, 2021, 12, 734077.	2.6	2
97	The role of melatonin in seasonal affective disorder. , 2009, , 149-162.		1
98	Dysregulated light/dark cycle impairs sleep and delays the recovery of patients in intensive care units: A call for action for COVID-19 treatment. Chronobiology International, 2022, 39, 903-906.	2.0	1
99	Arginine vasotocin stimulates glucocorticoid secretion in male rats. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1983, 7, 841-844.	4.8	0
100	Chapter 7 Melatonin Signaling as a Link between Sleep and Circadian Biology: Practical Implications. , 2016, , 119-146.		0