

Fernanda G Amaral

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,465
citations

257101

24
h-index

214527

47
g-index

59
all docs

59
docs citations

59
times ranked

3108
citing authors

#	ARTICLE	IF	CITATIONS
1	Melatonin, energy metabolism, and obesity: a review. <i>Journal of Pineal Research</i> , 2014, 56, 371-381.	3.4	425
2	Melatonin as a Hormone: New Physiological and Clinical Insights. <i>Endocrine Reviews</i> , 2018, 39, 990-1028.	8.9	366
3	A brief review about melatonin, a pineal hormone. <i>Archives of Endocrinology and Metabolism</i> , 2018, 62, 472-479.	0.3	233
4	Absence of Melatonin Induces Night-Time Hepatic Insulin Resistance and Increased Gluconeogenesis Due to Stimulation of Nocturnal Unfolded Protein Response. <i>Endocrinology</i> , 2011, 152, 1253-1263.	1.4	100
5	Melatonin prevents mitochondrial dysfunction and insulin resistance in rat skeletal muscle. <i>Journal of Pineal Research</i> , 2014, 57, 155-167.	3.4	87
6	Environmental Control of Biological Rhythms: Effects on Development, Fertility and Metabolism. <i>Journal of Neuroendocrinology</i> , 2014, 26, 603-612.	1.2	67
7	Maternal Melatonin Programs the Daily Pattern of Energy Metabolism in Adult Offspring. <i>PLoS ONE</i> , 2012, 7, e38795.	1.1	66
8	Melatonin improves insulin sensitivity independently of weight loss in old obese rats. <i>Journal of Pineal Research</i> , 2013, 55, 156-165.	3.4	65
9	Melatonin synthesis impairment as a new deleterious outcome of diabetes-derived hyperglycemia. <i>Journal of Pineal Research</i> , 2014, 57, 67-79.	3.4	60
10	The Angiotensin-Melatonin Axis. <i>International Journal of Hypertension</i> , 2013, 2013, 1-7.	0.5	58
11	Daily differential expression of melatonin-related genes and clock genes in rat cumulus oocyte complex: changes after pinealectomy. <i>Journal of Pineal Research</i> , 2015, 58, 490-499.	3.4	56
12	Melatonin Synthesis: Acetylserotonin O-Methyltransferase (ASMT) Is Strongly Expressed in a Subpopulation of Pinealocytes in the Male Rat Pineal Gland. <i>Endocrinology</i> , 2016, 157, 2028-2040.	1.4	53
13	Pinealectomy interferes with the circadian clock genes expression in white adipose tissue. <i>Journal of Pineal Research</i> , 2015, 58, 251-261.	3.4	52
14	Melatonin, mitochondria and hypertension. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3955-3964.	2.4	51
15	Early-Stage Retinal Melatonin Synthesis Impairment in Streptozotocin-Induced Diabetic Wistar Rats. , 2011, 52, 7416.		48
16	The absence of maternal pineal melatonin rhythm during pregnancy and lactation impairs offspring physical growth, neurodevelopment, and behavior. <i>Hormones and Behavior</i> , 2018, 105, 146-156.	1.0	48
17	Melatonin Increases Brown Adipose Tissue Volume and Activity in Patients With Melatonin Deficiency: A Proof-of-Concept Study. <i>Diabetes</i> , 2019, 68, 947-952.	0.3	44
18	Adaptations of the aging animal to exercise: role of daily supplementation with melatonin. <i>Journal of Pineal Research</i> , 2013, 55, 229-239.	3.4	39

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19	New insights into the function of melatonin and its role in metabolic disturbances. <i>Expert Review of Endocrinology and Metabolism</i> , 2019, 14, 293-300.	1.2	39
20	Insulin modulates norepinephrine-mediated melatonin synthesis in cultured rat pineal gland. <i>Life Sciences</i> , 2008, 82, 108-114.	2.0	38
21	Influence of N-methyl-D-aspartate receptors on ouabain activation of nuclear factor- κ B in the rat hippocampus. <i>Journal of Neuroscience Research</i> , 2012, 90, 213-228.	1.3	35
22	Effects of melatonin on DNA damage induced by cyclophosphamide in rats. <i>Brazilian Journal of Medical and Biological Research</i> , 2013, 46, 278-286.	0.7	34
23	Melatonin Production in the Sea Star <i>Echinaster brasiliensis</i> (Echinodermata). <i>Biological Bulletin</i> , 2014, 226, 146-151.	0.7	33
24	Insulin temporal sensitivity and its signaling pathway in the rat pineal gland. <i>Life Sciences</i> , 2010, 87, 169-174.	2.0	29
25	Melatonin attenuates renal sympathetic overactivity and reactive oxygen species in the brain in neurogenic hypertension. <i>Hypertension Research</i> , 2019, 42, 1683-1691.	1.5	27
26	Ethanol consumption and pineal melatonin daily profile in rats. <i>Addiction Biology</i> , 2011, 16, 580-590.	1.4	25
27	Melatonin multiple effects on brown adipose tissue molecular machinery. <i>Journal of Pineal Research</i> , 2019, 66, e12549.	3.4	25
28	Modulation of Pineal Melatonin Synthesis by Glutamate Involves Paracrine Interactions between Pinealocytes and Astrocytes through NF- κ B Activation. <i>BioMed Research International</i> , 2013, 2013, 1-14.	0.9	24
29	Maternal pineal melatonin in gestation and lactation physiology, and in fetal development and programming. <i>General and Comparative Endocrinology</i> , 2021, 300, 113633.	0.8	22
30	Melanopsin System Dysfunction in Smith-Magenis Syndrome Patients. , 2018, 59, 362.		21
31	Norepinephrine activates NF- κ B transcription factor in cultured rat pineal gland. <i>Life Sciences</i> , 2014, 94, 122-129.	2.0	19
32	Altered MT1 and MT2 melatonin receptors expression in the hippocampus of pilocarpine-induced epileptic rats. <i>Epilepsy and Behavior</i> , 2017, 71, 23-34.	0.9	18
33	Melatonin profiles during the third trimester of pregnancy and health status in the offspring among day and night workers: A case series. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2019, 6, 70-76.	1.4	18
34	Pilocarpine-induced epilepsy alters the expression and daily variation of the nuclear receptor ROR α in the hippocampus of rats. <i>Epilepsy and Behavior</i> , 2016, 55, 38-46.	0.9	13
35	High social jetlag is correlated with nocturnal inhibition of melatonin production among night workers. <i>Chronobiology International</i> , 2021, 38, 1170-1176.	0.9	12
36	Melatonin decreases neuronal excitability in a sub-population of dorsal root ganglion neurons. <i>Brain Research</i> , 2018, 1692, 1-8.	1.1	11

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37	Identification of insulin-regulated aminopeptidase (IRAP) in the rat pineal gland and the modulation of melatonin synthesis by angiotensin IV. <i>Brain Research</i> , 2019, 1704, 40-46.	1.1	10
38	Melatonin Therapy Improves Cardiac Autonomic Modulation in Pinealectomized Patients. <i>Frontiers in Endocrinology</i> , 2020, 11, 239.	1.5	10
39	Current understanding of pineal gland structure and function in headache. <i>Cephalalgia</i> , 2019, 39, 1700-1709.	1.8	9
40	Reduced melatonin synthesis in pregnant night workers: Metabolic implications for offspring. <i>Medical Hypotheses</i> , 2019, 132, 109353.	0.8	9
41	Melatonin deficiency decreases brown adipose tissue acute thermogenic capacity of in rats measured by 18F-FDG PET. <i>Diabetology and Metabolic Syndrome</i> , 2020, 12, 82.	1.2	9
42	Effect of different exercise intensities on the pancreas of animals with metabolic syndrome. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2015, 8, 115.	1.1	8
43	The muscarinic effect of anhydroecgonine methyl ester, a crack cocaine pyrolysis product, impairs melatonin synthesis in the rat pineal gland. <i>Toxicology Research</i> , 2017, 6, 420-431.	0.9	8
44	Melatonin regulates maternal pancreatic remodeling and β -cell function during pregnancy and lactation. <i>Journal of Pineal Research</i> , 2021, 71, e12717.	3.4	7
45	The Absence of Pineal Melatonin Abolishes the Daily Rhythm of Tph1 (Tryptophan Hydroxylase 1), Asmt (Acetylserotonin O-Methyltransferase), and Aanat (Aralkylamine N-Acetyltransferase) mRNA Expressions in Rat Testes. <i>Molecular Neurobiology</i> , 2019, 56, 7800-7809.	1.9	6
46	Rhythmic changes in Fabry disease: Inversion and non-oscillatory pattern in 6-sulfatoxymelatonin daily profile. <i>Chronobiology International</i> , 2019, 36, 470-480.	0.9	5
47	Effective recommendations towards healthy routines to preserve mental health during the COVID-19 pandemic. <i>Revista Brasileira De Psiquiatria</i> , 2022, 44, 136-146.	0.9	5
48	Molecular characterization of different preproGnRHs in <i>Astyanax altiparanae</i> (Characiformes): Effects of GnRH on female reproduction. <i>Molecular Reproduction and Development</i> , 2020, 87, 720-734.	1.0	4
49	Urinary Angiotensinogen-Melatonin Ratio in Gestational Diabetes and Preeclampsia. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 800638.	1.6	4
50	Sleep parameters assessed by actigraphy in Fabry's disease patients: a proof-of-concept. <i>Sleep Medicine</i> , 2020, 69, 213-216.	0.8	3
51	Molecular basis of growth hormone daily mRNA and protein synthesis in rats. <i>Life Sciences</i> , 2018, 207, 36-41.	2.0	2
52	Melatonin and brown adipose tissue: novel insights to a complex interplay. <i>Melatonin Research</i> , 2019, 2, 25-41.	0.7	2
53	Monosodium glutamate administration early in life alters pineal melatonin nocturnal profile in adulthood. <i>Melatonin Research</i> , 2021, 4, 99-114.	0.7	1
54	Increased corticosterone levels contribute to glucose intolerance induced by the absence of melatonin. <i>FASEB Journal</i> , 2013, 27, 1161.1.	0.2	1

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55	6-sulfatoxymelatonin daily profile in Fabry disease patients: Relationship to disease variants. <i>Molecular Genetics and Metabolism</i> , 2019, 126, S44.	0.5	0
56	Quasi-Experimental study of effects of lighting on rest, activity and melatonin in postpartum women. <i>Revista Brasileira De Enfermagem</i> , 2021, 74, e20201064.	0.2	0
57	197 EXPRESSION OF MELATONIN-RELATED GENES IN RAT CUMULUS OOCYTE COMPLEXES. <i>Reproduction, Fertility and Development</i> , 2013, 25, 247.	0.1	0
58	Pineal melatonin deprivation alters the mRNA expression of melatonin and steroidogenic-related receptor genes in rat oviduct and uterus during the estrus stage of estrous cycle. <i>Melatonin Research</i> , 2022, 5, 68-83.	0.7	0