

Fernanda G Amaral

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,465
citations

257450

24
h-index

214800

47
g-index

59
all docs

59
docs citations

59
times ranked

3108
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective recommendations towards healthy routines to preserve mental health during the COVID-19 pandemic. <i>Revista Brasileira De Psiquiatria</i> , 2022, 44, 136-146.	1.7	5
2	Urinary Angiotensinogen-Melatonin Ratio in Gestational Diabetes and Preeclampsia. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 800638.	3.5	4
3	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.	1.1	0
4	Maternal pineal melatonin in gestation and lactation physiology, and in fetal development and programming. <i>General and Comparative Endocrinology</i> , 2021, 300, 113633.	1.8	22
5	Monosodium glutamate administration early in life alters pineal melatonin nocturnal profile in adulthood. <i>Melatonin Research</i> , 2021, 4, 99-114.	1.1	1
6	Quasi-Experimental study of effects of lighting on rest, activity and melatonin in postpartum women. <i>Revista Brasileira De Enfermagem</i> , 2021, 74, e20201064.	0.7	0
7	Melatonin regulates maternal pancreatic remodeling and Bâ€cell function during pregnancy and lactation. <i>Journal of Pineal Research</i> , 2021, 71, e12717.	7.4	7
8	High social jetlag is correlated with nocturnal inhibition of melatonin production among night workers. <i>Chronobiology International</i> , 2021, 38, 1170-1176.	2.0	12
9	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.	2.7	9
10	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.	2.0	4
11	Melatonin Therapy Improves Cardiac Autonomic Modulation in Pinealectomized Patients. <i>Frontiers in Endocrinology</i> , 2020, 11, 239.	3.5	10
12	Sleep parameters assessed by actigraphy in Fabry's disease patients: a proof-of-concept. <i>Sleep Medicine</i> , 2020, 69, 213-216.	1.6	3
13	Current understanding of pineal gland structure and function in headache. <i>Cephalalgia</i> , 2019, 39, 1700-1709.	3.9	9
14	Melatonin attenuates renal sympathetic overactivity and reactive oxygen species in the brain in neurogenic hypertension. <i>Hypertension Research</i> , 2019, 42, 1683-1691.	2.7	27
15	Rhythmic changes in Fabry disease: Inversion and non-oscillatory pattern in 6-sulfatoxymelatonin daily profile. <i>Chronobiology International</i> , 2019, 36, 470-480.	2.0	5
16	Reduced melatonin synthesis in pregnant night workers: Metabolic implications for offspring. <i>Medical Hypotheses</i> , 2019, 132, 109353.	1.5	9
17	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.	2.8	18
18	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.	4.0	6

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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.	2.4	39
20	6-sulfatoxymelatonin daily profile in Fabry disease patients: Relationship to disease variants. <i>Molecular Genetics and Metabolism</i> , 2019, 126, S44.	1.1	0
21	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.	0.6	44
22	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.	2.2	10
23	Melatonin multiple effects on brown adipose tissue molecular machinery. <i>Journal of Pineal Research</i> , 2019, 66, e12549.	7.4	25
24	Melatonin and brown adipose tissue: novel insights to a complex interplay. <i>Melatonin Research</i> , 2019, 2, 25-41.	1.1	2
25	Melatonin decreases neuronal excitability in a sub-population of dorsal root ganglion neurons. <i>Brain Research</i> , 2018, 1692, 1-8.	2.2	11
26	Melatonin as a Hormone: New Physiological and Clinical Insights. <i>Endocrine Reviews</i> , 2018, 39, 990-1028.	20.1	366
27	A brief review about melatonin, a pineal hormone. <i>Archives of Endocrinology and Metabolism</i> , 2018, 62, 472-479.	0.6	233
28	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.	2.1	48
29	Melanopsin System Dysfunction in Smith-Magenis Syndrome Patients. , 2018, 59, 362.		21
30	Molecular basis of growth hormone daily mRNA and protein synthesis in rats. <i>Life Sciences</i> , 2018, 207, 36-41.	4.3	2
31	Altered MT1 and MT2 melatonin receptors expression in the hippocampus of pilocarpine-induced epileptic rats. <i>Epilepsy and Behavior</i> , 2017, 71, 23-34.	1.7	18
32	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.	2.1	8
33	Melatonin, mitochondria and hypertension. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3955-3964.	5.4	51
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.	1.7	13
35	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.	2.8	53
36	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.	7.4	56

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37	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.	2.4	8
38	Pinelectomy interferes with the circadian clock genes expression in white adipose tissue. <i>Journal of Pineal Research</i> , 2015, 58, 251-261.	7.4	52
39	Melatonin, energy metabolism, and obesity: a review. <i>Journal of Pineal Research</i> , 2014, 56, 371-381.	7.4	425
40	Melatonin synthesis impairment as a new deleterious outcome of diabetes-derived hyperglycemia. <i>Journal of Pineal Research</i> , 2014, 57, 67-79.	7.4	60
41	Environmental Control of Biological Rhythms: Effects on Development, Fertility and Metabolism. <i>Journal of Neuroendocrinology</i> , 2014, 26, 603-612.	2.6	67
42	Melatonin prevents mitochondrial dysfunction and insulin resistance in rat skeletal muscle. <i>Journal of Pineal Research</i> , 2014, 57, 155-167.	7.4	87
43	Norepinephrine activates NF- κ B transcription factor in cultured rat pineal gland. <i>Life Sciences</i> , 2014, 94, 122-129.	4.3	19
44	Melatonin Production in the Sea Star <i>Echinaster brasiliensis</i> (Echinodermata). <i>Biological Bulletin</i> , 2014, 226, 146-151.	1.8	33
45	Melatonin improves insulin sensitivity independently of weight loss in old obese rats. <i>Journal of Pineal Research</i> , 2013, 55, 156-165.	7.4	65
46	Adaptations of the aging animal to exercise: role of daily supplementation with melatonin. <i>Journal of Pineal Research</i> , 2013, 55, 229-239.	7.4	39
47	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.	1.9	24
48	The Angiotensin-Melatonin Axis. <i>International Journal of Hypertension</i> , 2013, 2013, 1-7.	1.3	58
49	Effects of melatonin on DNA damage induced by cyclophosphamide in rats. <i>Brazilian Journal of Medical and Biological Research</i> , 2013, 46, 278-286.	1.5	34
50	197 EXPRESSION OF MELATONIN-RELATED GENES IN RAT CUMULUS OOCYTE COMPLEXES. <i>Reproduction, Fertility and Development</i> , 2013, 25, 247.	0.4	0
51	Increased corticosterone levels contribute to glucose intolerance induced by the absence of melatonin. <i>FASEB Journal</i> , 2013, 27, 1161.1.	0.5	1
52	Maternal Melatonin Programs the Daily Pattern of Energy Metabolism in Adult Offspring. <i>PLoS ONE</i> , 2012, 7, e38795.	2.5	66
53	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.	2.9	35
54	Early-Stage Retinal Melatonin Synthesis Impairment in Streptozotocin-Induced Diabetic Wistar Rats. , 2011, 52, 7416.		48

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55	Ethanol consumption and pineal melatonin daily profile in rats. <i>Addiction Biology</i> , 2011, 16, 580-590.	2.6	25
56	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.	2.8	100
57	Insulin temporal sensitivity and its signaling pathway in the rat pineal gland. <i>Life Sciences</i> , 2010, 87, 169-174.	4.3	29
58	Insulin modulates norepinephrine-mediated melatonin synthesis in cultured rat pineal gland. <i>Life Sciences</i> , 2008, 82, 108-114.	4.3	38