

Sergio Damian Paredes

List of Publications by Citations

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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.

73
papers

3,119
citations

27
h-index

55
g-index

74
ext. papers

3,343
ext. citations

4
avg, IF

4.83
L-index

#	Paper	IF	Citations
73	Reducing oxidative/nitrosative stress: a newly-discovered genre for melatonin. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2009 , 44, 175-200	8.7	364
72	Melatonin and reproduction revisited. <i>Biology of Reproduction</i> , 2009 , 81, 445-56	3.9	274
71	Phytomelatonin: a review. <i>Journal of Experimental Botany</i> , 2009 , 60, 57-69	7	250
70	Significance and application of melatonin in the regulation of brown adipose tissue metabolism: relation to human obesity. <i>Obesity Reviews</i> , 2011 , 12, 167-88	10.6	217
69	The changing biological roles of melatonin during evolution: from an antioxidant to signals of darkness, sexual selection and fitness. <i>Biological Reviews</i> , 2010 , 85, 607-23	13.5	189
68	Melatonin induces mitochondrial-mediated apoptosis in human myeloid HL-60 cells. <i>Journal of Pineal Research</i> , 2009 , 46, 392-400	10.4	114
67	Beneficial effects of melatonin in cardiovascular disease. <i>Annals of Medicine</i> , 2010 , 42, 276-85	1.5	99
66	Tryptophan-enriched cereal intake improves nocturnal sleep, melatonin, serotonin, and total antioxidant capacity levels and mood in elderly humans. <i>Age</i> , 2013 , 35, 1277-85		85
65	Melatonin combats molecular terrorism at the mitochondrial level. <i>Interdisciplinary Toxicology</i> , 2008 , 1, 137-49	2.3	83
64	Jerte Valley cherry-enriched diets improve nocturnal rest and increase 6-sulfatoxymelatonin and total antioxidant capacity in the urine of middle-aged and elderly humans. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2010 , 65, 909-14	6.4	80
63	Protective effect of melatonin against human leukocyte apoptosis induced by intracellular calcium overload: relation with its antioxidant actions. <i>Journal of Pineal Research</i> , 2011 , 51, 195-206	10.4	78
62	Light-mediated perturbations of circadian timing and cancer risk: a mechanistic analysis. <i>Integrative Cancer Therapies</i> , 2009 , 8, 354-60	3	55
61	Biogenic amines in the reduction of oxidative stress: melatonin and its metabolites. <i>Neuroendocrinology Letters</i> , 2008 , 29, 391-8	0.3	53
60	Circadian levels of serotonin in plasma and brain after oral administration of tryptophan in rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009 , 104, 52-9	3.1	50
59	Melatonin reduces body weight gain and increases nocturnal activity in male Wistar rats. <i>Physiology and Behavior</i> , 2013 , 118, 8-13	3.5	47
58	Urinary 6-sulfatoxymelatonin and total antioxidant capacity increase after the intake of a grape juice cv. Tempranillo stabilized with HHP. <i>Food and Function</i> , 2012 , 3, 34-9	6.1	46
57	Actions of melatonin mixed with collagenized porcine bone versus porcine bone only on osteointegration of dental implants. <i>Journal of Pineal Research</i> , 2010 , 48, 194-203	10.4	44

56	Caspase 3 activation in human spermatozoa in response to hydrogen peroxide and progesterone. <i>Fertility and Sterility</i> , 2008 , 90, 1340-7	4.8	44
55	Melatonin enhances hydrogen peroxide-induced apoptosis in human promyelocytic leukaemia HL-60 cells. <i>Molecular and Cellular Biochemistry</i> , 2011 , 353, 167-76	4.2	42
54	Melatonin and tryptophan affect the activity-rest rhythm, core and peripheral temperatures, and interleukin levels in the ringdove: changes with age. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 340-50	6.4	36
53	Assessment of the Potential Role of Tryptophan as the Precursor of Serotonin and Melatonin for the Aged Sleep-wake Cycle and Immune Function: <i>Streptopelia risoria</i> as a Model. <i>International Journal of Tryptophan Research</i> , 2009 , 2, 23-36	5.6	36
52	Melatonin is able to delay endoplasmic reticulum stress-induced apoptosis in leukocytes from elderly humans. <i>Age</i> , 2011 , 33, 497-507		34
51	Melatonin in relation to the "strong" and "weak" versions of the free radical theory of aging. <i>Advances in Medical Sciences</i> , 2008 , 53, 119-29	2.8	34
50	A Jerte valley cherry product provides beneficial effects on sleep quality. Influence on aging. <i>Journal of Nutrition, Health and Aging</i> , 2013 , 17, 553-60	5.2	31
49	Protective effect of resveratrol against inflammation, oxidative stress and apoptosis in pancreas of aged SAMP8 mice. <i>Experimental Gerontology</i> , 2017 , 90, 61-70	4.5	29
48	Protective effect of xanthohumol against age-related brain damage. <i>Journal of Nutritional Biochemistry</i> , 2017 , 49, 133-140	6.3	27
47	Melatonin Counteracts at a Transcriptional Level the Inflammatory and Apoptotic Response Secondary to Ischemic Brain Injury Induced by Middle Cerebral Artery Blockade in Aging Rats. <i>BioResearch Open Access</i> , 2015 , 4, 407-16	2.4	27
46	Effect of exogenous melatonin on viability, ingestion capacity, and free-radical scavenging in heterophils from young and old ringdoves (<i>Streptopelia risoria</i>). <i>Molecular and Cellular Biochemistry</i> , 2007 , 304, 305-14	4.2	27
45	Melatonin counteracts alterations in oxidative metabolism and cell viability induced by intracellular calcium overload in human leucocytes: changes with age. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010 , 107, 590-7	3.1	26
44	Circadian variations of serotonin in plasma and different brain regions of rats. <i>Molecular and Cellular Biochemistry</i> , 2008 , 317, 105-11	4.2	26
43	Comparative study of the heterophil phagocytic function in young and old ring doves (<i>Streptopelia risoria</i>) and its relationship with melatonin levels. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2004 , 174, 421-7	2.2	26
42	The effect of tryptophan administration on the circadian rhythms of melatonin in plasma and the pineal gland of rats. <i>Journal of Applied Biomedicine</i> , 2008 , 6, 177-186	0.6	26
41	Lidocaine Administration Controls MicroRNAs Alterations Observed After Lung Ischemia-Reperfusion Injury. <i>Anesthesia and Analgesia</i> , 2016 , 123, 1437-1447	3.9	26
40	Melatonin decreases the expression of inflammation and apoptosis markers in the lung of a senescence-accelerated mice model. <i>Experimental Gerontology</i> , 2016 , 75, 1-7	4.5	25
39	A nutraceutical product based on Jerte Valley cherries improves sleep and augments the antioxidant status in humans. <i>European E-journal of Clinical Nutrition and Metabolism</i> , 2009 , 4, e321-e323		24

38	Hydrogen peroxide increases the phagocytic function of human neutrophils by calcium mobilisation. <i>Molecular and Cellular Biochemistry</i> , 2007 , 296, 77-84	4.2	24
37	Comparative study of the activity/rest rhythms in young and old ringdove (<i>Streptopelia risoria</i>): correlation with serum levels of melatonin and serotonin. <i>Chronobiology International</i> , 2006 , 23, 779-93	3.6	23
36	Tryptophan increases nocturnal rest and affects melatonin and serotonin serum levels in old ringdove. <i>Physiology and Behavior</i> , 2007 , 90, 576-82	3.5	22
35	The consumption of a Jerte Valley cherry product in humans enhances mood, and increases 5-hydroxyindoleacetic acid but reduces cortisol levels in urine. <i>Experimental Gerontology</i> , 2012 , 47, 573-80	4.5	20
34	Melatonin and tryptophan counteract lipid peroxidation and modulate superoxide dismutase activity in ringdove heterophils in vivo. Effect of antigen-induced activation and age. <i>Age</i> , 2009 , 31, 179-88		20
33	Orally administered melatonin improves nocturnal rest in young and old ringdoves (<i>Streptopelia risoria</i>). <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007 , 100, 258-68	3.1	20
32	Tryptophan modulates cell viability, phagocytosis and oxidative metabolism in old ringdoves. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007 , 101, 56-62	3.1	20
31	Effect of tryptophan administration on circulating levels of melatonin and phagocytic activity. <i>Journal of Applied Biomedicine</i> , 2004 , 2, 169-177	0.6	20
30	Protective actions of melatonin and growth hormone on the aged cardiovascular system. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2014 , 18, 79-88	1.3	17
29	Jerte Valley cherry-based product modulates serum inflammatory markers in rats and ringdoves. <i>Journal of Applied Biomedicine</i> , 2012 , 10, 41-50	0.6	17
28	Anti-inflammatory effects of melatonin in a rat model of caerulein-induced acute pancreatitis. <i>Cell Biochemistry and Function</i> , 2013 , 31, 585-90	4.2	17
27	Changes in behaviour and in the circadian rhythms of melatonin and corticosterone in rats subjected to a forced-swimming test. <i>Journal of Applied Biomedicine</i> , 2005 , 3, 47-56	0.6	17
26	Effect of melatonin and tryptophan on humoral immunity in young and old ringdoves (<i>Streptopelia risoria</i>). <i>Experimental Gerontology</i> , 2009 , 44, 653-8	4.5	15
25	Melatonin, as an adjuvant-like agent, enhances platelet responsiveness. <i>Journal of Pineal Research</i> , 2009 , 46, 275-85	10.4	15
24	Oral administration of melatonin to old ring doves (<i>Streptopelia risoria</i>) increases plasma levels of melatonin and heterophil phagocytic activity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005 , 60, 44-50	6.4	14
23	Chemokine Involvement in Lung Injury Secondary to Ischaemia/Reperfusion. <i>Lung</i> , 2017 , 195, 333-340	2.9	13
22	Sevoflurane prevents liver inflammatory response induced by lung ischemia-reperfusion. <i>Transplantation</i> , 2014 , 98, 1151-7	1.8	13
21	Systemic inflammatory load in young and old ringdoves is modulated by consumption of a Jerte Valley cherry-based product. <i>Journal of Medicinal Food</i> , 2012 , 15, 707-12	2.8	13

20	Altered circadian rhythms of corticosterone, melatonin, and phagocytic activity in response to stress in rats. <i>Neuroendocrinology Letters</i> , 2007 , 28, 489-95	0.3	13
19	A cherry nutraceutical modulates melatonin, serotonin, corticosterone, and total antioxidant capacity levels: effect on ageing and chronotype. <i>Journal of Applied Biomedicine</i> , 2012 , 10, 109-117	0.6	12
18	Xanthohumol exerts protective effects in liver alterations associated with aging. <i>European Journal of Nutrition</i> , 2019 , 58, 653-663	5.2	12
17	Tryptophan administration in rats enhances phagocytic function and reduces oxidative metabolism. <i>Neuroendocrinology Letters</i> , 2008 , 29, 1026-32	0.3	12
16	Melatonin, lipid peroxidation, and age in heterophils from the ring dove (<i>Streptopelia risoria</i>). <i>Free Radical Research</i> , 2005 , 39, 613-9	4	11
15	Melatonin and the pathophysiology of cellular membranes. <i>Marmara Pharmaceutical Journal</i> , 2010 , 1, 1-9		10
14	Comparison of the Effect of Melatonin Treatment before and after Brain Ischemic Injury in the Inflammatory and Apoptotic Response in Aged Rats. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	9
13	Orally administered tryptophan and experimental type 2 diabetes. <i>Molecular and Cellular Biochemistry</i> , 2004 , 261, 57-61	4.2	9
12	Melatonin and tryptophan as therapeutic agents against the impairment of the sleep-wake cycle and immunosenescence due to aging in <i>Streptopelia risoria</i> . <i>Neuroendocrinology Letters</i> , 2007 , 28, 757-60	0.3	8
11	Diets enriched with a Jerte Valley cherry-based nutraceutical product reinforce nocturnal behaviour in young and old animals of nocturnal (<i>Rattus norvegicus</i>) and diurnal (<i>Streptopelia risoria</i>) chronotypes. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2013 , 97, 137-45	2.6	7
10	A jerte valley cherry-based product as a supply of tryptophan. <i>International Journal of Tryptophan Research</i> , 2012 , 5, 9-14	5.6	7
9	The pineal gland: Functional connection between melatonin and immune system in birds. <i>Biogenic Amines</i> , 2004 , 18, 147-176		6
8	Effect of treatment with xanthohumol on cardiological alterations secondary to ageing. <i>Journal of Functional Foods</i> , 2018 , 49, 44-51	5.1	3
7	Effect of intraoperative paravertebral or intravenous lidocaine versus control during lung resection surgery on postoperative complications: A randomized controlled trial. <i>Trials</i> , 2019 , 20, 622	2.8	3
6	Influence of postoperative complications on long-term outcome after oncologic lung resection surgery. Substudy of a randomized control trial. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 35, 1183-1192	2	2
5	Oxidative Stress in Phagocytic Cells: Changes with Age and Effect of Melatonin 2007 , 737-761		1
4	Protective effects of 17- β -estradiol and phytoestrogen on age-induced oxidative stress and inhibition of surfactant synthesis in rat type II pneumocytes. <i>International Journal of Food Sciences and Nutrition</i> , 2021 , 72, 26-36	3.7	0
3	Resveratrol and Aging 2018 , 257-273		

2 Occurrence of Serotonin, Melatonin, and Their Derivatives in Plants **2016**, 15-30

1 Effects of Intraoperative Infusion of Esmolol on Systemic and Pulmonary Inflammation in a Porcine Experimental Model of Lung Resection Surgery. *Anesthesia and Analgesia*, **2019**, 128, 168-175 39