

# Javier Espino

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

2,713  
citations

159585

30  
h-index

189892

50  
g-index

53  
all docs

53  
docs citations

53  
times ranked

3595  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant Phenolics: Bioavailability as a Key Determinant of Their Potential Health-Promoting Applications. <i>Antioxidants</i> , 2020, 9, 1263.	5.1	153
2	Melatonin potentiates chemotherapy-induced cytotoxicity and apoptosis in rat pancreatic tumor cells. <i>Journal of Pineal Research</i> , 2012, 53, 91-98.	7.4	147
3	MICU3 is a tissue-specific enhancer of mitochondrial calcium uptake. <i>Cell Death and Differentiation</i> , 2019, 26, 179-195.	11.2	145
4	Melatonin sensitizes human cervical cancer cells to cisplatin-induced cytotoxicity and apoptosis: effects on oxidative stress and DNA fragmentation. <i>Journal of Pineal Research</i> , 2016, 60, 55-64.	7.4	134
5	Selenium Modulates Oxidative Stress-Induced Cell Apoptosis in Human Myeloid HL-60 Cells Through Regulation of Calcium Release and Caspase-3 and -9 Activities. <i>Journal of Membrane Biology</i> , 2009, 232, 15-23.	2.1	132
6	Melatonin induces mitochondrial-mediated apoptosis in human myeloid HL-60 cells. <i>Journal of Pineal Research</i> , 2009, 46, 392-400.	7.4	128
7	High endogenous melatonin concentrations enhance sperm quality and short-term <i>in vitro</i> exposure to melatonin improves aspects of sperm motility. <i>Journal of Pineal Research</i> , 2011, 50, 132-139.	7.4	108
8	Melatonin protects human spermatozoa from apoptosis via melatonin receptor and extracellular signal-regulated kinase-mediated pathways. <i>Fertility and Sterility</i> , 2011, 95, 2290-2296.	1.0	104
9	Melatonin Reduces Apoptosis Induced by Calcium Signaling in Human Leukocytes: Evidence for the Involvement of Mitochondria and Bax Activation. <i>Journal of Membrane Biology</i> , 2010, 233, 105-118.	2.1	98
10	Melatonin as a potential tool against oxidative damage and apoptosis in ejaculated human spermatozoa. <i>Fertility and Sterility</i> , 2010, 94, 1915-1917.	1.0	86
11	Role of melatonin on diabetes-related metabolic disorders. <i>World Journal of Diabetes</i> , 2011, 2, 82.	3.5	85
12	Relationship between Caspase Activity and Apoptotic Markers in Human Sperm in Response to Hydrogen Peroxide and Progesterone. <i>Journal of Reproduction and Development</i> , 2009, 55, 615-621.	1.4	83
13	Autophagy-related proteins are functionally active in human spermatozoa and may be involved in the regulation of cell survival and motility. <i>Scientific Reports</i> , 2016, 6, 33647.	3.3	83
14	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.	7.4	81
15	Pro-Oxidant Effect of Melatonin in Tumour Leucocytes: Relation with its Cytotoxic and Pro-Apoptotic Effects. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011, 108, 14-20.	2.5	75
16	Exogenous melatonin supplementation prevents oxidative stress-evoked DNA damage in human spermatozoa. <i>Journal of Pineal Research</i> , 2014, 57, 333-339.	7.4	75
17	Oxidative Stress and Immunosenescence: Therapeutic Effects of Melatonin. <i>Oxidative Medicine and Cellular Longevity</i> , 2012, 2012, 1-9.	4.0	73
18	The MCU complex in cell death. <i>Cell Calcium</i> , 2018, 69, 73-80.	2.4	62

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19	Reduced levels of intracellular calcium releasing in spermatozoa from asthenozoospermic patients. <i>Reproductive Biology and Endocrinology</i> , 2009, 7, 11.	3.3	56
20	Melatonin enhances hydrogen peroxide-induced apoptosis in human promyelocytic leukaemia HL-60 cells. <i>Molecular and Cellular Biochemistry</i> , 2011, 353, 167-176.	3.1	55
21	Metabolic Syndrome, its Pathophysiology and the Role of Melatonin. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2013, 7, 11-25.	0.6	54
22	The inhibition of <sc>TNF</sc>-induced leucocyte apoptosis by melatonin involves membrane receptor <sc>MT</sc>1/<sc>MT</sc>2 interaction. <i>Journal of Pineal Research</i> , 2013, 54, 442-452.	7.4	48
23	Impact of Melatonin Supplementation in Women with Unexplained Infertility Undergoing Fertility Treatment. <i>Antioxidants</i> , 2019, 8, 338.	5.1	48
24	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, 64A, 340-350.	3.6	44
25	Participation of MT3 melatonin receptors in the synergistic effect of melatonin on cytotoxic and apoptotic actions evoked by chemotherapeutics. <i>Cancer Chemotherapy and Pharmacology</i> , 2017, 80, 985-998.	2.3	44
26	Caspase-3 and -9 are activated in human myeloid HL-60 cells by calcium signal. <i>Molecular and Cellular Biochemistry</i> , 2010, 333, 151-157.	3.1	41
27	Melatonin increases the effect of 5-fluorouracil-based chemotherapy in human colorectal adenocarcinoma cells in vitro. <i>Molecular and Cellular Biochemistry</i> , 2018, 440, 43-51.	3.1	41
28	Melatonin is able to delay endoplasmic reticulum stress-induced apoptosis in leukocytes from elderly humans. <i>Age</i> , 2011, 33, 497-507.	3.0	38
29	Bioavailability of Bioactive Molecules from Olive Leaf Extracts and its Functional Value. <i>Phytotherapy Research</i> , 2016, 30, 1172-1179.	5.8	38
30	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.	0.4	32
31	Chemical composition and bioactivity of essential oils from flower and fruit of <i>Thymbra capitata</i> and <i>Thymus</i> species. <i>Journal of Food Science and Technology</i> , 2017, 54, 1857-1865.	2.8	30
32	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, 590-597.	2.5	26
33	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, 573-580.	2.8	23
34	Melatonin and Oxidative Stress in the Diabetic State: Clinical Implications and Potential Therapeutic Applications. <i>Current Medicinal Chemistry</i> , 2019, 26, 4178-4190.	2.4	23
35	The efficiency of Poly(<sc>ADP</sc>-Ribose) Polymerase (<sc>PARP</sc>) cleavage on detection of apoptosis in an experimental model of testicular torsion. <i>International Journal of Experimental Pathology</i> , 2015, 96, 294-300.	1.3	19
36	The correlation between urinary 5-hydroxyindoleacetic acid and sperm quality in infertile men and rotating shift workers. <i>Reproductive Biology and Endocrinology</i> , 2010, 8, 138.	3.3	18

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37	Jerte Valley cherry-based product modulates serum inflammatory markers in rats and ringdoves. <i>Journal of Applied Biomedicine</i> , 2012, 10, 41-50.	1.7	18
38	Synthesis and structure of a new thiazoline-based palladium(II) complex that promotes cytotoxicity and apoptosis of human promyelocytic leukemia HL-60 cells. <i>Scientific Reports</i> , 2020, 10, 16745.	3.3	18
39	Zinc(II) complexes with novel 1,3-thiazine/pyrazole derivative ligands: Synthesis, structural characterization and effect of coordination on the phagocytic activity of human neutrophils. <i>Polyhedron</i> , 2011, 30, 2627-2636.	2.2	17
40	The Importance of Melatonin and Mitochondria Interaction in Mood Disorders and Schizophrenia: A Current Assessment. <i>Current Medicinal Chemistry</i> , 2016, 23, 2146-2158.	2.4	15
41	Extracellular heat shock proteins protect U937 cells from H <sub>2</sub> O <sub>2</sub> -induced apoptotic cell death. <i>Molecular and Cellular Biochemistry</i> , 2016, 412, 19-26.	3.1	14
42	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, 707-712.	1.5	13
43	Role of Calcium Signals on Hydrogen Peroxide-Induced Apoptosis in Human Myeloid HL-60 Cells. <i>International Journal of Biomedical Science</i> , 2009, 5, 246-56.	0.1	13
44	Tempranillo-derived grape seed extract induces apoptotic cell death and cell growth arrest in human promyelocytic leukemia HL-60 cells. <i>Food and Function</i> , 2013, 4, 1759.	4.6	12
45	Pt(II) and Pd(II) complexes with a thiazoline derivative ligand: Synthesis, structural characterization, antiproliferative activity and evaluation of pro-apoptotic ability in tumor cell lines HT-29 and U-937. <i>Journal of Inorganic Biochemistry</i> , 2020, 202, 110870.	3.5	12
46	Apoptosis, ROS and Calcium Signaling in Human Spermatozoa: Relationship to Infertility. , 0, , .		10
47	A Jerte Valley Cherry-Based Product as a Supply of Tryptophan. <i>International Journal of Tryptophan Research</i> , 2012, 5, IJTR.S9394.	2.3	9
48	FMLP-, thapsigargin-, and H <sub>2</sub> O <sub>2</sub> -evoked changes in intracellular free calcium concentration in lymphocytes and neutrophils of type 2 diabetic patients. <i>Molecular and Cellular Biochemistry</i> , 2014, 387, 251-260.	3.1	9
49	Melatonin diminishes oxidative damage in sperm cells,improving assisted reproductive techniques. <i>Turkish Journal of Biology</i> , 2017, 41, 881-889.	0.8	9
50	Influence of ligand lipophilicity in Pt(II) complexes on their antiproliferative and apoptotic activities in tumour cell lines. <i>Journal of Inorganic Biochemistry</i> , 2022, 227, 111688.	3.5	8
51	Synthesis, Characterization and Antiproliferative Evaluation of Pt(II) and Pd(II) Complexes with a Thiazine-Pyridine Derivative Ligand. <i>Pharmaceuticals</i> , 2021, 14, 395.	3.8	6
52	Dysregulation of intracellular Ca <sup>2+</sup> in lymphocytes and neutrophils in type 2 diabetic patients (1072.11). <i>FASEB Journal</i> , 2014, 28, 1072.11.	0.5	0
53	Melatonin's Beneficial Effects in Metabolic Syndrome with Therapeutic Applications. , 2014, , 29-48.		0