MarÃ-a del Carmen RodrÃ-guez-SÃ¡nch

List of Publications by Year
in descending order

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60 papers	5,092 citations	159358 30 h-index	128067 60 g-index
60 all docs	60 docs citations	60 times ranked	5073 citing authors

#	Article	IF	Citations
1	Calcium acts as a central player in melatonin antitumor activity in sarcoma cells. Cellular Oncology (Dordrecht), 2022, 45, 415-428.	2.1	5
2	Regulation of cancer cell glucose metabolism is determinant for cancer cell fate after melatonin administration. Journal of Cellular Physiology, 2021, 236, 27-40.	2.0	24
3	Melatonin synthesis in and uptake by mitochondria: implications for diseased cells with dysfunctional mitochondria. Future Medicinal Chemistry, 2021, 13, 335-339.	1.1	23
4	Part-time cancers and role of melatonin in determining their metabolic phenotype. Life Sciences, 2021, 278, 119597.	2.0	15
5	Can asymmetric postâ€translational modifications regulate the behavior of STAT3 homodimers?. FASEB BioAdvances, 2020, 2, 116-125.	1.3	5
6	Role of glucose metabolism in the differential antileukemic effect of melatonin on wildâ€type and FLT3â€ITD mutant cells. Oncology Reports, 2020, 44, 293-302.	1.2	5
7	Evaluation of results after distal metatarsal osteotomy by minimal invasive surgery for the treatment of metatarsalgia: patient and anatomical pieces study. Journal of Orthopaedic Surgery and Research, 2019, 14, 121.	0.9	7
8	Inhibition of FLT3 and PIM Kinases by EC-70124 Exerts Potent Activity in Preclinical Models of Acute Myeloid Leukemia. Molecular Cancer Therapeutics, 2018, 17, 614-624.	1.9	15
9	A summary of light dose distribution using an IR navigation system for Photofrin-mediated Pleural PDT. Proceedings of SPIE, 2017, 10047, .	0.8	6
10	Distinct roles of N-acetyl and 5-methoxy groups in the antiproliferative and neuroprotective effects of melatonin. Molecular and Cellular Endocrinology, 2016, 434, 238-249.	1.6	8
11	An IR navigation system for pleural PDT. Frontiers in Physics, 2015, 3, .	1.0	18
12	Melatonin Cytotoxicity Is Associated to Warburg Effect Inhibition in Ewing Sarcoma Cells. PLoS ONE, 2015, 10, e0135420.	1.1	55
13	Involvement of autophagy in melatoninâ€induced cytotoxicity in gliomaâ€initiating cells. Journal of Pineal Research, 2014, 57, 308-316.	3.4	43
14	Mechanisms Involved in the Pro-Apoptotic Effect of Melatonin in Cancer Cells. International Journal of Molecular Sciences, 2013, 14, 6597-6613.	1.8	83
15	Cooperative action of JNK and AKT/mTOR in 1â€methylâ€4â€phenylpyridiniumâ€induced autophagy of neuronal PC12 cells. Journal of Neuroscience Research, 2012, 90, 1850-1860.	1.3	30
16	Intracellular redox state as determinant for melatonin antiproliferative vs cytotoxic effects in cancer cells. Free Radical Research, 2011, 45, 1333-1341.	1.5	59
17	Regulation of the expression of death receptors and their ligands by melatonin in haematological cancer cell lines and in leukaemia cells from patients. Journal of Pineal Research, 2011, 50, 345-355.	3.4	44
18	Expression and clinical significance of the Kv3.4 potassium channel subunit in the development and progression of head and neck squamous cell carcinomas. Journal of Pathology, 2010, 221, 402-410.	2.1	23

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19	Synergistic antitumor effect of melatonin with several chemotherapeutic drugs on human Ewing sarcoma cancer cells: potentiation of the extrinsic apoptotic pathway. Journal of Pineal Research, 2010, 48, 72-80.	3.4	114
20	Melatonin sensitizes human malignant glioma cells against TRAIL-induced cell death. Cancer Letters, 2010, 287, 216-223.	3.2	56
21	Melatonin uptake in prostate cancer cells: intracellular transport versus simple passive diffusion. Journal of Pineal Research, 2008, 45, 247-257.	3.4	46
22	Critical role of glutathione in melatonin enhancement of tumor necrosis factor and ionizing radiationâ€induced apoptosis in prostate cancer cells in vitro. Journal of Pineal Research, 2008, 45, 258-270.	3.4	55
23	Intracellular signaling pathways involved in postâ€mitotic dopaminergic PC12 cell death induced by 6â€hydroxydopamine. Journal of Neurochemistry, 2008, 107, 127-140.	2.1	62
24	Melatonin prevents glucocorticoid inhibition of cell proliferation and toxicity in hippocampal cells by reducing glucocorticoid receptor nuclear translocation. Journal of Steroid Biochemistry and Molecular Biology, 2008, 110, 116-124.	1.2	55
25	Melatonin prevents glutamate-induced oxytosis in the HT22 mouse hippocampal cell line through an antioxidant effect specifically targeting mitochondria. Journal of Neurochemistry, 2007, 100, 736-746.	2.1	70
26	Involvement of protein kinase C in melatonin?s oncostatic effect in C6 glioma cells. Journal of Pineal Research, 2007, 43, 239-244.	3.4	29
27	Signaling pathways involved in antioxidant control of glioma cell proliferation. Free Radical Biology and Medicine, 2007, 42, 1715-1722.	1.3	39
28	Melatonin induces apoptosis in human neuroblastoma cancer cells. Journal of Pineal Research, 2006, 41, 130-135.	3.4	97
29	Tryptamine induces cell death with ultrastructural features of autophagy in neurons and glia: Possible relevance for neurodegenerative disorders. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 1026-1030.	2.0	19
30	Intracellular Signaling Pathways Involved in the Cell Growth Inhibition of Glioma Cells by Melatonin. Cancer Research, 2006, 66, 1081-1088.	0.4	129
31	Melatonin and Parkinson's Disease. Endocrine, 2005, 27, 169-178.	2.2	129
32	Anti-inflammatory actions of melatonin and its metabolites, N1-acetyl-N2-formyl-5-methoxykynuramine (AFMK) and N1-acetyl-5-methoxykynuramine (AMK), in macrophages. Journal of Neuroimmunology, 2005, 165, 139-149.	1.1	274
33	Standard curve for housekeeping and target genes: Specific criteria for selection of loading control in Northern blot analysis. Journal of Biotechnology, 2005, 117, 337-341.	1.9	5
34	Intracellular redox state regulation by parthenolide. Biochemical and Biophysical Research Communications, 2005, 332, 321-325.	1.0	33
35	Regulation of antioxidant enzymes: a significant role for melatonin. Journal of Pineal Research, 2004, 36, 1-9.	3.4	1,713
36	Antioxidant Activity and Neuroprotective Effects of Zolpidem and Several Synthesis Intermediates. Free Radical Research, 2004, 38, 1289-1299.	1.5	22

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37	Cytotoxicity and oncostatic activity of the thiazolidinedione derivative CGP 52608 on central nervous system cancer cells. Cancer Letters, 2004, 211, 47-55.	3.2	11
38	Protective effect of melatonin in a chronic experimental model of Parkinsonâ€™s disease. Brain Research, 2002, 943, 163-173.	1.1	148
39	Several antioxidant pathways are involved in astrocyte protection by melatonin. Journal of Pineal Research, 2002, 33, 204-212.	3.4	59
40	Glutamate induces oxidative stress not mediated by glutamate receptors or cystine transporters: protective effect of melatonin and other antioxidants. Journal of Pineal Research, 2001, 31, 356-362.	3.4	36
41	Melatonin regulates glucocorticoid receptor: an answer to its antiapoptotic action in thymus. FASEB Journal, 1999, 13, 1547-1556.	0.2	92
42	Ultrastructural confirmation of neuronal protection by melatonin against the neurotoxin 6-hydroxydopamine cell damage. Brain Research, 1999, 818, 221-227.	1.1	56
43	Melatonin increases gene expression for antioxidant enzymes in rat brain cortex. Journal of Pineal Research, 1998, 24, 83-89.	3.4	287
44	Inhibition of cell proliferation: A mechanism likely to mediate the prevention of neuronal cell death by melatonin. Journal of Pineal Research, 1998, 25, 12-18.	3.4	43
45	Melatonin prevents apoptosis induced by 6-hydroxydopamine in neuronal cells: Implications for Parkinson's disease. Journal of Pineal Research, 1998, 24, 179-192.	3.4	138
46	Melatonin decreases mRNA for histone h4 in thymus of young rats. Life Sciences, 1998, 63, 1109-1117.	2.0	9
47	Neurohormone melatonin prevents cell damage: effect on gene expression for antioxidant enzymes. FASEB Journal, 1996, 10, 882-890.	0.2	438
48	The pineal neurohormone melatonin prevents in vivo and in vitro apoptosis in thymocytes. Journal of Pineal Research, 1995, 19, 178-188.	3.4	122
49	Porphyrin accumulation in the harderian glands of female Syrian hamster results in mitochondrial damage and cell death. The Anatomical Record, 1994, 239, 349-359.	2.3	29
50	Androgenic control of porphyrin in the harderian glands of the male syrian hamster is modulated by the photoperiod, which suggests that the sexual differences in porphyrin concentrations in this gland are important functionally. The Anatomical Record, 1994, 240, 52-58.	2.3	10
51	Development and androgen regulation of the secretory cell types of the Syrian hamster (Mesocricetus auratus) Harderian gland. Cell and Tissue Research, 1993, 274, 189-197.	1.5	22
52	Gender-associated differences in the development of 5-aminolevulinate synthase gene expression in the Harderian gland of Syrian hamsters. Molecular and Cellular Endocrinology, 1993, 93, 167-173.	1.6	13
53	Porphyrin Metabolism in the Harderian Glands of Syrian Hamsters: In Vivo Regulation by Testicular Hormones, Lighting Conditions, Pineal Gland, and Pituitary Hormones. Experimental Biology and Medicine, 1992, 200, 25-29.	1.1	16
54	Effects of Human Chorionic Gonadotropin and Progesterone Administration on Porphyrin Biosynthesis and Histology of the Harderian Glands in Male and Female Syrian Hamsters1. Biology of Reproduction, 1992, 47, 307-315.	1.2	16

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55	Age and food restriction alter the porphyrin concentration and mRNA levels for 5-aminolevulinate synthase in rat harderian gland. Life Sciences, 1992, 51, 1891-1897.	2.0	12
56	Female syrian hamster harderian gland: Development and effects of high environmental temperature and melatonin injections on histology and porphyrin deposits. The Anatomical Record, 1992, 232, 293-300.	2.3	19
57	5-Aminolevulinate synthase mRNA levels in the Harderian gland of Syrian hamsters: Correlation with porphyrin concentrations and regulation by androgens and melatonin. Molecular and Cellular Endocrinology, 1991, 80, 177-182.	1.6	52
58	Indole and porphyrin content of the syrian hamster harderian glands during the proestrous and estrous phases of the estrous cycle. Journal of Steroid Biochemistry and Molecular Biology, 1991, 38, 101-104.	1.2	9
59	Attenuated nocturnal rise in pineal and serum melatonin in a genetically cardiomyopathic Syrian hamster with a deficient calcium pump. Journal of Pineal Research, 1991, 11, 156-162.	3.4	14
60	Chronic administration of melatonin induces changes in porphyrins and in the histology of male and female hamster Harderian gland: Interrelation with the gonadal status. Journal of Pineal Research, 1991, 11, 42-48.	3.4	26