Rosa M Sainz

List of Publications by Year
in descending order

78 papers	11,376 citations	43741 48 h-index	70222 77 g-index
85 all docs	85 docs citations	85 times ranked	11023 citing authors

#	Article	IF	Citations
1	Reflections on the Biology of Cell Culture Models: Living on the Edge of Oxidative Metabolism in Cancer Cells. International Journal of Molecular Sciences, 2023, 24, 2717.	4.2	3
2	Androgen-Dependent Prostate Cancer Cells Reprogram Their Metabolic Signature upon GLUT1 Upregulation by Manganese Superoxide Dismutase. Antioxidants, 2022, 11, 313.	5.2	7
3	Photoacoustic Tomography Detects Response and Resistance to Bevacizumab in Breast Cancer Mouse Models. Cancer Research, 2022, 82, 1658-1668.	0.9	11
4	Redox control of the transcriptional circadian rhythmicity by SOD2. Free Radical Biology and Medicine, 2021, 165, 27.	4.5	0
5	Emerging Roles for Browning of White Adipose Tissue in Prostate Cancer Malignant Behaviour. International Journal of Molecular Sciences, 2021, 22, 5560.	4.2	10
6	In Vitro Evaluation of the Toxicological Profile and Oxidative Stress of Relevant Diet-Related Advanced Glycation End Products and Related 1,2-Dicarbonyls. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-20.	4.1	13
7	Melatonin from an Antioxidant to a Classic Hormone or a Tissue Factor: Experimental and Clinical Aspects 2019. International Journal of Molecular Sciences, 2020, 21, 3645.	4.2	6
8	Redox Signaling and Advanced Glycation Endproducts (AGEs) in Diet-Related Diseases. Antioxidants, 2020, 9, 142.	5.2	116
9	Melatonin-Induced Cytoskeleton Reorganization Leads to Inhibition of Melanoma Cancer Cell Proliferation. International Journal of Molecular Sciences, 2020, 21, 548.	4.2	40
10	Advanced Glycation End Products As Biomarkers in Systemic Diseases: Premises and Perspectives of Salivary Advanced Glycation End Products. Biomarkers in Medicine, 2019, 13, 479-495.	1.4	19
11	Understanding the role of melatonin in cancer metabolism. Melatonin Research, 2019, 2, 76-104.	1.1	7
12	GLUT1 protects prostate cancer cells from glucose deprivation-induced oxidative stress. Redox Biology, 2018, 17, 112-127.	9.1	68
13	The dark side of glucose transporters in prostate cancer: Are they a new feature to characterize carcinomas?. International Journal of Cancer, 2018, 142, 2414-2424.	5.4	65
14	Advanced glycation end products (AGEs) in oral pathology. Archives of Oral Biology, 2018, 93, 22-30.	1.9	31
15	Influence of Inflammation in the Process of T Lymphocyte Differentiation: Proliferative, Metabolic, and Oxidative Changes. Frontiers in Immunology, 2018, 9, 339.	4.9	143
16	Melatonin Uptake by Cells: An Answer to Its Relationship with Glucose?. Molecules, 2018, 23, 1999.	3.9	29
17	Glucose Transporters Protect Cancer Cells From Nutrient Deprivation. , 2018, , .		0
18	Melatonin and sirtuins: A â€œnotâ€şo unexpectedâ€•relationship. Journal of Pineal Research, 2017, 62, e12391.	7.7	155

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19	Thioredoxin 1 modulates apoptosis induced by bioactive compounds in prostate cancer cells. Redox Biology, 2017, 12, 634-647.	9.1	56
20	Melatonin transport into mitochondria. Cellular and Molecular Life Sciences, 2017, 74, 3927-3940.	5.5	61
21	<scp>IGFBP</scp>3 and <scp>MAPK</scp>/<scp>ERK</scp> signaling mediates melatoninâ€induced antitumor activity in prostate cancer. Journal of Pineal Research, 2017, 62, e12373.	7.7	55
22	Melatonin Decreases Glucose Metabolism in Prostate Cancer Cells: A 13C Stable Isotope-Resolved Metabolomic Study. International Journal of Molecular Sciences, 2017, 18, 1620.	4.2	39
23	Melatonin as an antioxidant: under promises but over delivers. Journal of Pineal Research, 2016, 61, 253-278.	7.7	1,208
24	Melatonin uptake through glucose transporters: a new target for melatonin inhibition of cancer. Journal of Pineal Research, 2015, 58, 234-250.	7.7	121
25	Manganese superoxide dismutase (SOD2/MnSOD)/catalase and SOD2/GPx1 ratios as biomarkers for tumor progression and metastasis in prostate, colon, and lung cancer. Free Radical Biology and Medicine, 2015, 85, 45-55.	4.5	101
26	Development and validation of a single HPLC method for determination of <i>Î±</i>â€tocopherol in cell culture and in human or mouse biological samples. Biomedical Chromatography, 2015, 29, 843-852.	1.7	6
27	Melatonin Enhances Photo-Oxidation of 2â€²,7â€²-Dichlorodihydrofluorescein by an Antioxidant Reaction That Renders N1-Acetyl-N2-Formyl-5-Methoxykynuramine (AFMK). PLoS ONE, 2014, 9, e109257.	2.5	14
28	Regulation of GLUT Transporters by Flavonoids in Androgen-Sensitive and -Insensitive Prostate Cancer Cells. Endocrinology, 2014, 155, 3238-3250.	2.8	53
29	Phenotypic changes caused by melatonin increased sensitivity of prostate cancer cells to cytokineâ€induced apoptosis. Journal of Pineal Research, 2013, 54, 33-45.	7.7	53
30	Radical Decisions in Cancer: Redox Control of Cell Growth and Death. Cancers, 2012, 4, 442-474.	3.8	68
31	MnSOD drives neuroendocrine differentiation, androgen independence, and cell survival in prostate cancer cells. Free Radical Biology and Medicine, 2011, 50, 525-536.	4.5	27
32	The changing biological roles of melatonin during evolution: from an antioxidant to signals of darkness, sexual selection and fitness. Biological Reviews, 2010, 85, 607-623.	10.7	282
33	Melatonin: reducing the toxicity and increasing the efficacy of drugs. Journal of Pharmacy and Pharmacology, 2010, 54, 1299-1321.	2.6	352
34	Upregulation of manganese superoxide dismutase (SOD2) is a common pathway for neuroendocrine differentiation in prostate cancer cells. International Journal of Cancer, 2009, 125, 1497-1504.	5.4	40
35	Melatonin and Reproduction Revisited. Biology of Reproduction, 2009, 81, 445-456.	2.6	334
36	Melatonin uptake in prostate cancer cells: intracellular transport versus simple passive diffusion. Journal of Pineal Research, 2008, 45, 247-257.	7.7	48

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37	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.	7.7	55
38	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.	2.6	56
39	Physiological Ischemia/Reperfusion Phenomena and Their Relation to Endogenous Melatonin Production: An Hypothesis. Endocrine, 2005, 27, 149-158.	2.2	41
40	Melatonin and Parkinson's Disease. Endocrine, 2005, 27, 169-178.	2.2	131
41	Interactions between melatonin and nicotinamide nucleotide: NADH preservation in cells and in cellâ€free systems by melatonin. Journal of Pineal Research, 2005, 39, 185-194.	7.7	52
42	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.	2.4	278
43	Melatonin reduces prostate cancer cell growth leading to neuroendocrine differentiation via a receptor and PKA independent mechanism. Prostate, 2005, 63, 29-43.	2.3	144
44	Regulation of antioxidant enzymes: a significant role for melatonin. Journal of Pineal Research, 2004, 36, 1-9.	7.7	1,745
45	Cytotoxicity and oncostatic activity of the thiazolidinedione derivative CGP 52608 on central nervous system cancer cells. Cancer Letters, 2004, 211, 47-55.	7.3	13
46	Melatonin and mitochondrial function. Life Sciences, 2004, 75, 765-790.	4.4	293
47	Apoptosis in primary lymphoid organs with aging. Microscopy Research and Technique, 2003, 62, 524-539.	2.3	27
48	Mechanistic and comparative studies of melatonin and classic antioxidants in terms of their interactions with the ABTS cation radical. Journal of Pineal Research, 2003, 34, 249-259.	7.7	180
49	Melatonin, xanthurenic acid, resveratrol, EGCG, vitamin C and Î±â€lipoic acid differentially reduce oxidative DNA damage induced by Fenton reagents: a study of their individual and synergistic actions. Journal of Pineal Research, 2003, 34, 269-277.	7.7	144
50	Melatonin: a hormone, a tissue factor, an autocoid, a paracoid, and an antioxidant vitamin. Journal of Pineal Research, 2003, 34, 75-78.	7.7	458
51	Antioxidant strategies in protection against neurodegenerative disorders. Expert Opinion on Therapeutic Patents, 2003, 13, 1513-1543.	5.1	52
52	Antioxidant activity of melatonin in Chinese hamster ovarian cells: changes in cellular proliferation and differentiation. Biochemical and Biophysical Research Communications, 2003, 302, 625-634.	2.2	66
53	Oxidative Damage to Catalase Induced by Peroxyl Radicals: Functional Protection by Melatonin and Other Antioxidants. Free Radical Research, 2003, 37, 543-553.	3.3	95
54	Antioxidant properties of the melatonin metabolite N1-acetyl-5-methoxykynuramine (AMK): scavenging of free radicals and prevention of protein destruction. Redox Report, 2003, 8, 205-213.	4.6	217

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55	Daily Rhythm of Gene Expression in Rat Superoxide Dismutases. Endocrine Research, 2003, 29, 83-95.	1.3	35
56	Melatonin: Detoxification of Oxygen And Nitrogen-Based Toxic Reactants. Advances in Experimental Medicine and Biology, 2003, 527, 539-548.	0.0	96
57	Melatonin as an antioxidant: biochemical mechanisms and pathophysiological implications in humans.. Acta Biochimica Polonica, 2003, 50, 1129-1146.	0.5	465
58	Chemical and Physical Properties and Potential Mechanisms: Melatonin as a Broad Spectrum Antioxidant and Free Radical Scavenger. Current Topics in Medicinal Chemistry, 2002, 2, 181-197.	2.0	903
59	Melatonin, Longevity and Health in the Aged: An Assessment. Free Radical Research, 2002, 36, 1323-1329.	3.3	55
60	Protective effect of melatonin in a chronic experimental model of Parkinsonâ€™s disease. Brain Research, 2002, 943, 163-173.	2.3	150
61	Several antioxidant pathways are involved in astrocyte protection by melatonin. Journal of Pineal Research, 2002, 33, 204-212.	7.7	61
62	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.	7.7	36
63	N1â€acetylâ€N2â€formylâ€5â€methoxykynuramine, a biogenic amine and melatonin metabolite, functions as a potent antioxidant. FASEB Journal, 2001, 15, 1-16.	0.5	235
64	Melatonin reduces oxidative neurotoxicity due to quinolinic acid:. Neuropharmacology, 2000, 39, 507-514.	4.2	91
65	Apoptotic Signals: Possible Implication of Circadian Rhythms. , 2000, , 203-233.		1
66	Melatonin regulates glucocorticoid receptor: an answer to its antiapoptotic action in thymus. FASEB Journal, 1999, 13, 1547-1556.	0.5	92
67	Melatonin reduces lipid peroxidation and tissue edema in cerulein-induced acute pancreatitis in rats. Digestive Diseases and Sciences, 1999, 44, 2257-2262.	2.4	60
68	Identification of highly elevated levels of melatonin in bone marrow: its origin and significance. Biochimica Et Biophysica Acta - General Subjects, 1999, 1472, 206-214.	2.5	284
69	Melatonin increases gene expression for antioxidant enzymes in rat brain cortex. Journal of Pineal Research, 1998, 24, 83-89.	7.7	288
70	Androgen-dependent mast cell degranulation in the Harderian gland of female Syrian hamsters: in vivo and organ culture evidence. Anatomy and Embryology, 1997, 196, 133-140.	1.4	13
71	Castration Increases Cell Damage Induced by Porphyrins in the Harderian Gland of Male Syrian Hamster. Necrosis and Not Apoptosis Mediates the Subsequent Cell Death. Journal of Structural Biology, 1996, 116, 377-389.	2.9	14
72	Neurohormone melatonin prevents cell damage: effect on gene expression for antioxidant enzymes. FASEB Journal, 1996, 10, 882-890.	0.5	440

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73	Regulation of the aminolevulinate synthase gene in the Syrian hamster Harderian gland: Changes during development and circadian rhythm and role of some hormones. Microscopy Research and Technique, 1996, 34, 65-70.	2.3	6
74	The pineal neurohormone melatonin prevents in vivo and in vitro apoptosis in thymocytes. Journal of Pineal Research, 1995, 19, 178-188.	7.7	123
75	Mast cells in the Harderian gland of female syrian hamsters during the estrous cycle and pregnancy: effects of the light/dark cycle. Journal of Reproductive Immunology, 1993, 25, 51-61.	2.0	5
76	Development and hormonal regulation of mast cells in the Harderian gland of Syrian hamsters. Anatomy and Embryology, 1992, 186, 91-97.	1.4	21
77	Cell volume and geometric parameters determination in living cells using confocal microscopy and 3D reconstruction. Protocol Exchange, 0, , .	0.3	10
78	The role of androgen receptor in glucose transporters expression in prostate cancer cells. Endocrine Abstracts, 0, , .	0.0	0