

# Juan R Calvo

## List of Publications by Citations

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105  
papers

6,202  
citations

41  
h-index

78  
g-index

106  
ext. papers

6,504  
ext. citations

4.9  
avg, IF

5.19  
L-index

#	Paper	IF	Citations
105	Beneficial pleiotropic actions of melatonin in an experimental model of septic shock in mice: regulation of pro-/anti-inflammatory cytokine network, protection against oxidative damage and anti-apoptotic effects. <i>Journal of Pineal Research</i> , <b>2005</b> , 39, 400-8	10.4	682
104	Significance of melatonin in antioxidative defense system: reactions and products. <i>NeuroSignals</i> , <b>2000</b> , 9, 137-59	1.9	384
103	Evidence of melatonin synthesis by human lymphocytes and its physiological significance: possible role as intracrine, autocrine, and/or paracrine substance. <i>FASEB Journal</i> , <b>2004</b> , 18, 537-9	0.9	330
102	Melatonin and its relation to the immune system and inflammation. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 917, 376-86	6.5	286
101	The role of melatonin in the cells of the innate immunity: a review. <i>Journal of Pineal Research</i> , <b>2013</b> , 55, 103-20	10.4	285
100	Inhibition of cerebellar nitric oxide synthase and cyclic GMP production by melatonin via complex formation with calmodulin. <i>Journal of Cellular Biochemistry</i> , <b>1997</b> , 65, 430-42	4.7	236
99	Physiological concentrations of melatonin inhibit nitric oxide synthase in rat cerebellum. <i>Life Sciences</i> , <b>1994</b> , 55, PL455-60	6.8	190
98	Pharmacology and physiology of melatonin in the reduction of oxidative stress in vivo. <i>NeuroSignals</i> , <b>2000</b> , 9, 160-71	1.9	182
97	Immunomodulatory role of melatonin: specific binding sites in human and rodent lymphoid cells. <i>Journal of Pineal Research</i> , <b>1995</b> , 18, 119-26	10.4	128
96	Expression of the Mel1a-melatonin receptor mRNA in T and B subsets of lymphocytes from rat thymus and spleen. <i>FASEB Journal</i> , <b>1997</b> , 11, 466-73	0.9	126
95	Human lymphocyte-synthesized melatonin is involved in the regulation of the interleukin-2/interleukin-2 receptor system. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2005</b> , 90, 992-1000	5.6	120
94	Melatonin present in beer contributes to increase the levels of melatonin and antioxidant capacity of the human serum. <i>Clinical Nutrition</i> , <b>2009</b> , 28, 188-91	5.9	114
93	Vasoactive intestinal peptide and pituitary adenylate cyclase-activating polypeptide modulate endotoxin-induced IL-6 production by murine peritoneal macrophages. <i>Journal of Leukocyte Biology</i> , <b>1998</b> , 63, 591-601	6.5	114
92	Interaction of melatonin with human lymphocytes: evidence for binding sites coupled to potentiation of cyclic AMP stimulated by vasoactive intestinal peptide and activation of cyclic GMP. <i>Journal of Pineal Research</i> , <b>1992</b> , 12, 97-104	10.4	109
91	Melatonin activates Th1 lymphocytes by increasing IL-12 production. <i>Life Sciences</i> , <b>1999</b> , 65, 2143-50	6.8	108
90	Correlation between nuclear melatonin receptor expression and enhanced cytokine production in human lymphocytic and monocytic cell lines. <i>Journal of Pineal Research</i> , <b>2000</b> , 29, 129-37	10.4	106
89	Expression of membrane and nuclear melatonin receptor mRNA and protein in the mouse immune system. <i>Cellular and Molecular Life Sciences</i> , <b>2003</b> , 60, 2272-8	10.3	103

88	Melatonin inhibits telomerase activity in the MCF-7 tumor cell line both in vivo and in vitro. <i>Journal of Pineal Research</i> , <b>2003</b> , 35, 204-11	10.4	99
87	Melatonin counteracts the inhibitory effect of PGE2 on IL-2 production in human lymphocytes via its mt1 membrane receptor. <i>FASEB Journal</i> , <b>2003</b> , 17, 755-7	0.9	98
86	Immunobiology of vasoactive intestinal peptide (VIP). <i>Trends in Immunology</i> , <b>2000</b> , 21, 7-11		97
85	mRNA expression of nuclear receptor RZR/RORalpha, melatonin membrane receptor MT, and hydroxindole-O-methyltransferase in different populations of human immune cells. <i>Journal of Pineal Research</i> , <b>2004</b> , 37, 48-54	10.4	94
84	Involvement of nuclear binding sites for melatonin in the regulation of IL-2 and IL-6 production by human blood mononuclear cells. <i>Journal of Neuroimmunology</i> , <b>1998</b> , 92, 76-84	3.5	91
83	High-affinity binding of melatonin by human circulating T lymphocytes (CD4+). <i>FASEB Journal</i> , <b>1995</b> , 9, 1331-5	0.9	88
82	Expression of membrane and nuclear melatonin receptors in mouse peripheral organs. <i>Life Sciences</i> , <b>2004</b> , 74, 2227-36	6.8	77
81	Specific binding of 2-[125I]iodomelatonin by rat splenocytes: characterization and its role on regulation of cyclic AMP production. <i>Journal of Neuroimmunology</i> , <b>1995</b> , 57, 171-8	3.5	75
80	VIP and PACAP enhance IL-6 release and mRNA levels in resting peritoneal macrophages: in vitro and in vivo studies. <i>Journal of Neuroimmunology</i> , <b>1998</b> , 85, 155-67	3.5	68
79	Acute and chronic responses associated with adrenomedullin administration in experimental colitis. <i>Peptides</i> , <b>2008</b> , 29, 2001-12	3.8	67
78	Evidence of melatonin synthesis and release by mast cells. Possible modulatory role on inflammation. <i>Pharmacological Research</i> , <b>2010</b> , 62, 282-7	10.2	64
77	Characterization of the protective effects of melatonin and related indoles against alpha-naphthylisothiocyanate-induced liver injury in rats. <i>Journal of Cellular Biochemistry</i> , <b>2001</b> , 80, 461-70	4.7	64
76	Specific binding of melatonin by purified cell nuclei from spleen and thymus of the rat. <i>Journal of Neuroimmunology</i> , <b>1998</b> , 86, 190-7	3.5	61
75	Interaction of vasoactive intestinal peptide (VIP) with rat lymphoid cells. <i>Peptides</i> , <b>1986</b> , 7, 177-81	3.8	60
74	Characterization of functional receptors for vasoactive intestinal peptide (VIP) in rat peritoneal macrophages. <i>Regulatory Peptides</i> , <b>1991</b> , 33, 133-43		58
73	Interaction of vasoactive intestinal peptide (VIP) with human peripheral blood lymphocytes: specific binding and cyclic AMP production. <i>General Pharmacology</i> , <b>1986</b> , 17, 185-9		58
72	In vitro effect of the resin component bisphenol A on substrate adherence capacity of macrophages. <i>Journal of Endodontics</i> , <b>1999</b> , 25, 341-4	4.7	52
71	Functional characterization and mRNA expression of pituitary adenylate cyclase activating polypeptide (PACAP) type I receptors in rat peritoneal macrophages. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1997</b> , 1359, 250-62	4.9	48

70	Characterization of melatonin binding sites in the hardierian gland and median eminence of the rat. <i>Life Sciences</i> , <b>1991</b> , 48, 1165-71	6.8	47
69	Characterization of membrane melatonin receptor in mouse peritoneal macrophages: inhibition of adenylyl cyclase by a pertussis toxin-sensitive G protein. <i>Journal of Neuroimmunology</i> , <b>1999</b> , 95, 85-94	3.5	46
68	Characterization of gene expression of VIP and VIP1-receptor in rat peritoneal lymphocytes and macrophages. <i>Regulatory Peptides</i> , <b>1996</b> , 62, 161-6		46
67	Binding of 2-[125I]melatonin by rat thymus membranes during postnatal development. <i>Immunology Letters</i> , <b>1993</b> , 36, 59-63	4.1	45
66	Specific binding of 2-[125I]melatonin by partially purified membranes of rat thymus. <i>Journal of Neuroimmunology</i> , <b>1993</b> , 45, 121-6	3.5	43
65	Glycogenolytic effect of pancreastatin in the rat. <i>Bioscience Reports</i> , <b>1990</b> , 10, 87-91	4.1	43
64	High levels of melatonin generated during the brewing process. <i>Journal of Pineal Research</i> , <b>2013</b> , 55, 26-30	10.4	41
63	Melatonin as pharmacologic support in burn patients: a proposed solution to thermal injury-related lymphocytopenia and oxidative damage. <i>Critical Care Medicine</i> , <b>2007</b> , 35, 1177-85	1.4	41
62	The disodium salt of EDTA inhibits the binding of vasoactive intestinal peptide to macrophage membranes: endodontic implications. <i>Journal of Endodontics</i> , <b>1996</b> , 22, 337-40	4.7	40
61	Melatonin administered immediately before an intense exercise reverses oxidative stress, improves immunological defenses and lipid metabolism in football players. <i>Physiology and Behavior</i> , <b>2012</b> , 105, 1099-103	3.5	39
60	Functional and molecular characterization of VIP receptors and signal transduction in human and rodent immune systems. <i>Advances in Neuroimmunology</i> , <b>1996</b> , 6, 39-47		39
59	Acutely administered melatonin is beneficial while chronic melatonin treatment aggravates the evolution of TNBS-induced colitis. <i>Journal of Pineal Research</i> , <b>2006</b> , 40, 48-55	10.4	36
58	N-acetylserotonin suppresses hepatic microsomal membrane rigidity associated with lipid peroxidation. <i>European Journal of Pharmacology</i> , <b>2001</b> , 428, 169-75	5.3	36
57	Expression of VIP receptors in mouse peritoneal macrophages: functional and molecular characterization. <i>Journal of Neuroimmunology</i> , <b>1994</b> , 50, 85-93	3.5	36
56	Synergistic action of melatonin and vasoactive intestinal peptide in stimulating cyclic AMP production in human lymphocytes. <i>Journal of Pineal Research</i> , <b>1992</b> , 12, 174-80	10.4	36
55	Galanin in the trinitrobenzene sulfonic acid rat model of experimental colitis. <i>International Immunopharmacology</i> , <b>2006</b> , 6, 1404-12	5.8	35
54	EDTA inhibits in vitro substrate adherence capacity of macrophages: endodontic implications. <i>Journal of Endodontics</i> , <b>1997</b> , 23, 205-8	4.7	33
53	Melatonin triggers Crohn's disease symptoms. <i>Journal of Pineal Research</i> , <b>2002</b> , 32, 277-8	10.4	31

52	Chronic administration of galanin attenuates the TNBS-induced colitis in rats. <i>Regulatory Peptides</i> , <b>2007</b> , 141, 96-104		30
51	Activation of cyclic AMP-dependent protein kinase by VIP in blood mononuclear cells. <i>Peptides</i> , <b>1984</b> , 5, 371-3	3.8	30
50	Involvement of nuclear receptors in the enhanced IL-2 production by melatonin in Jurkat cells. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 917, 397-403	6.5	28
49	Stimulatory effect of vasoactive intestinal peptide (VIP) on cyclic AMP production in rat peritoneal macrophages. <i>Regulatory Peptides</i> , <b>1992</b> , 37, 195-203		27
48	Specific binding of 2-[125I]iodomelatonin by rat spleen crude membranes: day-night variations and effect of pinealectomy and continuous light exposure. <i>Journal of Pineal Research</i> , <b>1996</b> , 20, 33-8	10.4	25
47	Characteristics of receptors for VIP in rat peritoneal macrophage membranes. <i>Peptides</i> , <b>1994</b> , 15, 309-153.8		25
46	Nuclear receptors are involved in the enhanced IL-6 production by melatonin in U937 cells. <i>NeuroSignals</i> , <b>2000</b> , 9, 197-202	1.9	24
45	Inhibitory effect of melatonin on homocysteine-induced lipid peroxidation in rat brain homogenates. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2002</b> , 90, 32-7		23
44	Melatonin potentiates cyclic AMP production stimulated by vasoactive intestinal peptide in human lymphocytes. <i>Neuroscience Letters</i> , <b>1992</b> , 136, 150-2	3.3	23
43	Possible Involvement of the Inhibition of NF- $\kappa$ B Factor in Anti-Inflammatory Actions That Melatonin Exerts on Mast Cells. <i>Journal of Cellular Biochemistry</i> , <b>2016</b> , 117, 1926-33	4.7	21
42	Melatonin prevents delta-aminolevulinic acid-induced oxidative DNA damage in the presence of Fe <sup>2+</sup> . <i>Molecular and Cellular Biochemistry</i> , <b>2001</b> , 218, 87-92	4.2	19
41	Pancreastatin and its 33-49 C-terminal fragment inhibit glucagon-stimulated insulin in vivo. <i>General Pharmacology</i> , <b>1992</b> , 23, 637-8		19
40	Vasoactive intestinal peptide and pituitary adenylate cyclase-activating polypeptide inhibit LPS-stimulated MIP-1 $\alpha$ production and mRNA expression. <i>Cytokine</i> , <b>2002</b> , 18, 35-42	4	18
39	Vasoactive intestinal peptide (VIP) inhibits substrate adherence capacity of rat peritoneal macrophages by a mechanism that involves cAMP. <i>Cell Adhesion and Communication</i> , <b>1993</b> , 1, 213-21		17
38	Intestinal immunomodulation. Role of regulative peptides and promising pharmacological activities. <i>Current Pharmaceutical Design</i> , <b>2008</b> , 14, 71-95	3.3	16
37	Comparative effects of two endodontic irrigants, chlorhexidine digluconate and sodium hypochlorite, on macrophage adhesion to plastic surfaces. <i>Journal of Endodontics</i> , <b>1999</b> , 25, 243-6	4.7	16
36	Expression of vasoactive intestinal peptide binding sites in rat peritoneal macrophages is stimulated by inflammatory stimulus. <i>Journal of Neuroimmunology</i> , <b>1996</b> , 64, 1-7	3.5	15
35	Homologous regulation of vasoactive intestinal peptide (VIP) receptors on rat peritoneal macrophages. <i>Peptides</i> , <b>1995</b> , 16, 313-8	3.8	14

34	Guanine nucleotide regulation of VIP binding to rat peritoneal macrophage membranes. <i>Peptides</i> , <b>1992</b> , 13, 953-5	3.8	14
33	In vitro inhibitory effect of EGTA on macrophage adhesion: endodontic implications. <i>Journal of Endodontics</i> , <b>2003</b> , 29, 211-3	4.7	13
32	Solubilization of active and stable receptors for vasoactive intestinal peptide from rat liver. <i>Regulatory Peptides</i> , <b>1989</b> , 25, 37-50		13
31	Melatonin usage in ulcerative colitis: a case report. <i>Journal of Pineal Research</i> , <b>2008</b> , 45, 339-40	10.4	12
30	The interaction of vasoactive intestinal peptide (VIP) with isolated bovine thyroid plasma membranes. <i>Biochemical and Biophysical Research Communications</i> , <b>1985</b> , 128, 1336-41	3.4	12
29	Melatonin binding sites in the harderian gland of the rat and Syrian hamster. <i>NeuroSignals</i> , <b>1994</b> , 3, 99-106		11
28	Somatostatin inhibition of VIP- and isoproterenol-stimulated cyclic AMP production in rat peritoneal macrophages. <i>Neuropeptides</i> , <b>1992</b> , 23, 39-43	3.3	11
27	Characterization of adenyl cyclase stimulated by VIP in rat and mouse peritoneal macrophage membranes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1996</b> , 1312, 249-54	4.9	10
26	Specific binding of melatonin by immunocompetent cells in humans and rodents. Modifications during postnatal development. <i>Annals of the New York Academy of Sciences</i> , <b>1994</b> , 719, 369-77	6.5	10
25	Interaction of thymic peptide thymosin alpha 1 with VIP receptors in rat intestinal epithelial cells: comparison with PHI and secretin. <i>General Pharmacology</i> , <b>1989</b> , 20, 503-5		8
24	Chronic ethanol intake inhibits both the vasoactive intestinal peptide binding and the associated cyclic AMP production in rat enterocytes. <i>General Pharmacology</i> , <b>1992</b> , 23, 607-11		7
23	Diurnal Variations in [ <sup>125</sup> I]Melatonin Binding by Rat Thymus Membranes: Effects of Continuous Light Exposure and Pinealectomy. <i>Chronobiology International</i> , <b>1995</b> , 12, 382-388	3.6	6
22	Nucleotide regulation of vasoactive intestinal peptide binding to bovine thyroid plasma membranes. <i>Bioscience Reports</i> , <b>1990</b> , 10, 519-25	4.1	6
21	Melatonin protects mast cells against cytotoxicity mediated by chemical stimuli PMACI: possible clinical use. <i>Journal of Neuroimmunology</i> , <b>2013</b> , 262, 62-5	3.5	5
20	Characterization of VIP receptor-effector system antagonists in rat and mouse peritoneal macrophages. <i>European Journal of Pharmacology</i> , <b>1997</b> , 321, 379-86	5.3	5
19	Identification of G-protein coupled receptor subunits in normal human dental pulp. <i>Journal of Endodontics</i> , <b>2000</b> , 26, 16-9	4.7	5
18	Effect of chronic intake of ethanol on the binding of vasoactive intestinal peptide to rat spleen lymphoid cells. <i>General Pharmacology</i> , <b>1989</b> , 20, 659-62		4
17	The role of melatonin in autoimmune and atopic diseases. <i>AIMS Molecular Science</i> , <b>2016</b> , 3, 158-186	0.9	4

16	The perception that beer improves sleep onset might be a motivation for some to drink heavily. Is it only melatonin that matters? Reply to Dr. Molfino. <i>Clinical Nutrition</i> , <b>2010</b> , 29, 273-274	5.9	3
15	Functional and molecular characterization of VIP receptor--effector system in rat developing immunocompetent cells: G protein involvement. <i>Journal of Neuroimmunology</i> , <b>2000</b> , 103, 41-50	3.5	3
14	VIP receptor-effector system in rat harderian gland and its coupling to activation of type II thyroxine 5Tdeiodinase. <i>Peptides</i> , <b>1995</b> , 16, 551-7	3.8	3
13	Characterization of binding sites for beta-adrenergic agonists and vasoactive intestinal peptide in the rat harderian gland. <i>Microscopy Research and Technique</i> , <b>1996</b> , 34, 139-43	2.8	2
12	Decreased binding of vasoactive intestinal peptide to intestinal epithelial cells from hypothyroid rats. <i>Biochemical and Biophysical Research Communications</i> , <b>1989</b> , 162, 701-7	3.4	2
11	Vasoactive intestinal peptide (VIP) binding to solubilized material from rat liver plasma membranes. <i>Bioscience Reports</i> , <b>1986</b> , 6, 39-44	4.1	2
10	Mechanisms Involved in the Immunomodulatory Effects of Melatonin on the Human Immune System <b>2001</b> , 408-416		2
9	Expression of Membrane Melatonin Receptor mRNA in Rat Thymus and Spleen <b>1997</b> , 23, 36-42		1
8	Mechanisms of Action of Melatonin on the Human Immune System. Membrane versus Nuclear Receptors <b>1997</b> , 23, 43-51		1
7	Thymosin alpha 1 interacts with the VIP receptor-effector system in rat and mouse immunocompetent cells. <i>Immunopharmacology</i> , <b>1996</b> , 34, 113-23		1
6	Interaction of a bovine thymic peptide extract with vasoactive intestinal peptide (VIP) receptors. <i>Bioscience Reports</i> , <b>1986</b> , 6, 579-84	4.1	1
5	Postnatal development of vasoactive intestinal peptide receptor-effector system in rat immunocompetent cells. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 921, 357-61	6.5	
4	Binding of [125I]iodocyanopindolol by rat harderian gland crude membranes: kinetic characteristics and day-night variations. <i>Bioscience Reports</i> , <b>1996</b> , 16, 369-77	4.1	
3	Peptide T from human immunodeficiency virus does not interact with VIP receptor-effector system in immunocompetent cells of rat and mouse. <i>Bioscience Reports</i> , <b>1994</b> , 14, 251-7	4.1	
2	Effects of fasting and refeeding on vasoactive intestinal peptide binding to rat blood mononuclear cells. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , <b>1987</b> , 87, 95-8		
1	Differential adrenergic regulation of rat pineal cyclic AMP production and N-acetyltransferase activity during postnatal development: involvement of G alpha s and G alpha i1-2 proteins. <i>Journal of Endocrinology</i> , <b>1997</b> , 155, 305-12	4.7	