

Juan M Guerrero

List of Publications by Year in descending order

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154
papers

9,934
citations

34076

52
h-index

36008

97
g-index

154
all docs

154
docs citations

154
times ranked

6675
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2005, 39, 400-408.	3.4	712
2	A Review of the Multiple Actions of Melatonin on the Immune System. <i>Endocrine</i> , 2005, 27, 189-200.	2.2	548
3	Melatonin: Buffering the Immune System. <i>International Journal of Molecular Sciences</i> , 2013, 14, 8638-8683.	1.8	532
4	Melatonin-Immune System Relationships. <i>Current Topics in Medicinal Chemistry</i> , 2002, 2, 167-179.	1.0	404
5	Evidence of melatonin synthesis by human lymphocytes and its physiological significance: possible role as intracrine, autocrine, and/or paracrine substance. <i>FASEB Journal</i> , 2004, 18, 537-539.	0.2	387
6	Melatonin prevents changes in microsomal membrane fluidity during induced lipid peroxidation. <i>FEBS Letters</i> , 1997, 408, 297-300.	1.3	273
7	Melatonin inhibits expression of the inducible NO synthase II in liver and lung and prevents endotoxemia in lipopolysaccharide-induced multiple organ dysfunction syndrome in rats. <i>FASEB Journal</i> , 1999, 13, 1537-1546.	0.2	264
8	Inhibition of cerebellar nitric oxide synthase and cyclic GMP production by melatonin via complex formation with calmodulin. <i>Journal of Cellular Biochemistry</i> , 1997, 65, 430-442.	1.2	263
9	Physiological concentrations of melatonin inhibit nitric oxide synthase in rat cerebellum. <i>Life Sciences</i> , 1994, 55, PL455-PL460.	2.0	218
10	Melatonin reduces nitric oxide synthase activity in rat hypothalamus. <i>Journal of Pineal Research</i> , 1996, 20, 205-210.	3.4	200
11	Reactive Oxygen Intermediates, Molecular Damage, and Aging: Relation to Melatonin. <i>Annals of the New York Academy of Sciences</i> , 1998, 854, 410-424.	1.8	194
12	Rhythms of glutathione peroxidase and glutathione reductase in brain of chick and their inhibition by light. <i>Neurochemistry International</i> , 1998, 32, 69-75.	1.9	192
13	Physiological levels of melatonin contribute to the antioxidant capacity of human serum. <i>Journal of Pineal Research</i> , 1999, 27, 59-64.	3.4	176
14	A Brief Survey of Pineal Gland-Immune System Interrelationships. <i>Endocrine Research</i> , 1992, 18, 91-113.	0.6	166
15	Immunomodulatory role of melatonin: specific binding sites in human and rodent lymphoid cells. <i>Journal of Pineal Research</i> , 1995, 18, 119-126.	3.4	140
16	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> , 2005, 90, 992-1000.	1.8	139
17	Expression of the Mel _{1a} melatonin receptor mRNA in T and B subsets of lymphocytes from rat thymus and spleen. <i>FASEB Journal</i> , 1997, 11, 466-473.	0.2	136
18	Melatonin activates Th1 lymphocytes by increasing IL-12 production. <i>Life Sciences</i> , 1999, 65, 2143-2150.	2.0	131

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19	Correlation between nuclear melatonin receptor expression and enhanced cytokine production in human lymphocytic and monocytic cell lines. <i>Journal of Pineal Research</i> , 2000, 29, 129-137.	3.4	131
20	Melatonin inhibits telomerase activity in the MCF-7 tumor cell line both in vivo and in vitro. <i>Journal of Pineal Research</i> , 2003, 35, 204-211.	3.4	122
21	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> , 1992, 12, 97-104.	3.4	117
22	Melatonin counteracts the inhibitory effect of PGE 2 on IL-2 production in human lymphocytes via its mt1 membrane receptor. <i>FASEB Journal</i> , 2003, 17, 755-757.	0.2	116
23	mRNA expression of nuclear receptor RZR/RORalpha, melatonin membrane receptor MT1, and hydroxyindole-O-methyltransferase in different populations of human immune cells. <i>Journal of Pineal Research</i> , 2004, 37, 48-54.	3.4	104
24	Immunobiology of vasoactive intestinal peptide (VIP). <i>Trends in Immunology</i> , 2000, 21, 7-11.	7.5	101
25	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> , 1998, 92, 76-84.	1.1	100
26	Melatonin prevents increases in neural nitric oxide and cyclic GMP production after transient brain ischemia and reperfusion in the Mongolian gerbil (<i>Meriones Unguiculatus</i>). <i>Journal of Pineal Research</i> , 1997, 23, 24-31.	3.4	99
27	Serum cholesterol and lipid peroxidation are decreased by melatonin in diet-induced hypercholesterolemic rats. <i>Journal of Pineal Research</i> , 2000, 28, 150-155.	3.4	98
28	Acutely administered melatonin reduces oxidative damage in lung and brain induced by hyperbaric oxygen. <i>Journal of Applied Physiology</i> , 1997, 83, 354-358.	1.2	96
29	High-affinity binding of melatonin by human circulating T lymphocytes (CD4 ⁺). <i>FASEB Journal</i> , 1995, 9, 1331-1335.	0.2	94
30	Melatonin and vitamin E limit nitric oxide-induced lipid peroxidation in rat brain homogenates. <i>Neuroscience Letters</i> , 1997, 230, 147-150.	1.0	92
31	Expression of membrane and nuclear melatonin receptors in mouse peripheral organs. <i>Life Sciences</i> , 2004, 74, 2227-2236.	2.0	91
32	Melatonin synthesized by T lymphocytes as a ligand of the retinoic acid-related orphan receptor. <i>Journal of Pineal Research</i> , 2011, 51, 454-462.	3.4	88
33	Melatonin in the Context of the Free Radical Theory of Aging. <i>Annals of the New York Academy of Sciences</i> , 1996, 786, 362-378.	1.8	83
34	Ototoxicity caused by cisplatin is ameliorated by melatonin and other antioxidants. <i>Journal of Pineal Research</i> , 2000, 28, 73-80.	3.4	81
35	Role of early cell-free DNA levels decrease as a predictive marker of fatal outcome after severe traumatic brain injury. <i>Clinica Chimica Acta</i> , 2012, 414, 12-17.	0.5	81
36	Melatonin controls experimental autoimmune encephalomyelitis by altering the T effector/regulatory balance. <i>Brain, Behavior, and Immunity</i> , 2015, 50, 101-114.	2.0	81

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37	Prophylactic Actions of Melatonin in Oxidative Neurotoxicity. <i>Annals of the New York Academy of Sciences</i> , 1997, 825, 70-78.	1.8	78
38	Melatonin inhibits cell proliferation and induces caspase activation and apoptosis in human malignant lymphoid cell lines. <i>Journal of Pineal Research</i> , 2012, 53, 366-373.	3.4	78
39	Specific binding of 2-[125I]iodomelatonin by rat splenocytes: characterization and its role on regulation of cyclic AMP production. <i>Journal of Neuroimmunology</i> , 1995, 57, 171-178.	1.1	77
40	Melatonin is a phytochemical in olive oil. <i>Food Chemistry</i> , 2007, 104, 609-612.	4.2	77
41	Effect of melatonin administration on sleep, behavioral disorders and hypnotic drug discontinuation in the elderly: a randomized, double-blind, placebo-controlled study. <i>Aging Clinical and Experimental Research</i> , 2009, 21, 38-42.	1.4	73
42	Specific binding of melatonin by purified cell nuclei from spleen and thymus of the rat. <i>Journal of Neuroimmunology</i> , 1998, 86, 190-197.	1.1	64
43	Circadian variations in the rat serum total antioxidant status: Correlation with melatonin levels. <i>Journal of Pineal Research</i> , 1998, 25, 1-4.	3.4	63
44	Interaction of vasoactive intestinal peptide (VIP) with rat lymphoid cells. <i>Peptides</i> , 1986, 7, 177-181.	1.2	62
45	Oxidative stress induced by phenylketonuria in the rat: Prevention by melatonin, vitamin E, and vitamin C. <i>Journal of Neuroscience Research</i> , 2002, 69, 550-558.	1.3	62
46	Evidence for melatonin synthesis in the rat brain during development. <i>Journal of Pineal Research</i> , 2007, 42, 240-246.	3.4	61
47	Point-of-care haemostasis monitoring during liver transplantation reduces transfusion requirements and improves patient outcome. <i>Clinica Chimica Acta</i> , 2015, 446, 277-283.	0.5	60
48	Membrane-bound calmodulin in <i>Xenopus laevis</i> oocytes as a novel binding site for melatonin. <i>FASEB Journal</i> , 1998, 12, 1401-1408.	0.2	59
49	Functional characterization and mRNA expression of pituitary adenylate cyclase activating polypeptide (PACAP) type I receptors in rat peritoneal macrophages. David Pozo and Mario Delgado contributed equally to this work. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1997, 1359, 250-262.	1.9	58
50	Possible Involvement of the Nuclear RZR/ROR-Alpha Receptor in the Antitumor Action of Melatonin on Murine Colon 38 Cancer. <i>Tumor Biology</i> , 2002, 23, 298-302.	0.8	57
51	Thyroxine 5 α -Deiodinase Activity in Pineal Gland and Frontal Cortex: Nighttime Increase and the Effect of Either Continuous Light Exposure or Superior Cervical Ganglionectomy*. <i>Endocrinology</i> , 1988, 122, 236-241.	1.4	56
52	Melatonin is responsible for the nocturnal increase observed in serum and thymus of thymosin $\hat{1}\pm 1$ and thymulin concentrations: observations in rats and humans. <i>Journal of Neuroimmunology</i> , 2000, 103, 180-188.	1.1	55
53	Serum, Saliva, and Gingival Crevicular Fluid Osteocalcin: Their Relation to Periodontal Status and Bone Mineral Density in Postmenopausal Women. <i>Journal of Periodontology</i> , 2005, 76, 513-519.	1.7	52
54	Evaluation of the immunomodulatory effect of melatonin on the T \hat{c} cell response in peripheral blood from systemic lupus erythematosus patients. <i>Journal of Pineal Research</i> , 2015, 58, 219-226.	3.4	51

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55	Physiological concentrations of melatonin inhibit the norepinephrine-induced activation of prostaglandin E2 and cyclic AMP production in rat hypothalamus: A mechanism involving inhibition of nitric oxide synthase. <i>Journal of Pineal Research</i> , 1998, 25, 34-40.	3.4	49
56	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> , 1999, 95, 85-94.	1.1	49
57	Melatonin treatment improves primary progressive multiple sclerosis: a case report. <i>Journal of Pineal Research</i> , 2015, 58, 173-177.	3.4	48
58	The disodium salt of EDTA inhibits the binding of vasoactive intestinal peptide to macrophage membranes: Endodontic implications. <i>Journal of Endodontics</i> , 1996, 22, 337-340.	1.4	46
59	Melatonin synthesized by Jurkat human leukemic T cell line is implicated in IL-2 production. <i>Journal of Cellular Physiology</i> , 2006, 206, 273-279.	2.0	46
60	Detailed stratified GWAS analysis for severe COVID-19 in four European populations. <i>Human Molecular Genetics</i> , 2022, 31, 3945-3966.	1.4	46
61	Melatonin synthesis and melatonin-membrane receptor (MT1) expression during rat thymus development: role of the pineal gland. <i>Journal of Pineal Research</i> , 2005, 39, 77-83.	3.4	45
62	Melatonin reduces inflammatory response in peripheral T helper lymphocytes from relapsing and remitting multiple sclerosis patients. <i>Journal of Pineal Research</i> , 2017, 63, e12442.	3.4	45
63	Monitoring of Transplanted Liver Health by Quantification of Organ-Specific Genomic Marker in Circulating DNA from Receptor. <i>PLoS ONE</i> , 2014, 9, e113987.	1.1	43
64	Melatonin binding sites in the Harderian gland of Syrian hamsters: Sexual differences and effect of castration. <i>Journal of Pineal Research</i> , 1993, 14, 34-38.	3.4	42
65	Functional and molecular characterization of VIP receptors and signal transduction in human and rodent immune systems. <i>Advances in Neuroimmunology</i> , 1996, 6, 39-47.	1.8	42
66	Synergistic action of melatonin and vasoactive intestinal peptide in stimulating cyclic AMP production in human lymphocytes. <i>Journal of Pineal Research</i> , 1992, 12, 174-180.	3.4	39
67	Ototoxicity caused by aminoglycosides is ameliorated by melatonin without interfering with the antibiotic capacity of the drugs. <i>Journal of Pineal Research</i> , 2000, 28, 26-33.	3.4	38
68	Neuroprotection by melatonin from glutamate-induced excitotoxicity during development of the cerebellum in the chick embryo. <i>Journal of Pineal Research</i> , 2000, 28, 81-88.	3.4	38
69	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> , 2000, 917, 397-403.	1.8	38
70	Expression of VIP receptors in mouse peritoneal macrophages: Functional and molecular characterization. <i>Journal of Neuroimmunology</i> , 1994, 50, 85-93.	1.1	37
71	Melatonin triggers Crohn's disease symptoms. <i>Journal of Pineal Research</i> , 2002, 32, 277-278.	3.4	37
72	Standardization non-invasive fetal RHD and SRY determination into clinical routine using a new multiplex RT-PCR assay for fetal cell-free DNA in pregnant women plasma: Results in clinical benefits and cost saving. <i>Clinica Chimica Acta</i> , 2012, 413, 490-494.	0.5	37

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73	Role of Circulating Cell-free DNA Levels in Patients With Severe Preeclampsia and HELLP Syndrome. <i>American Journal of Hypertension</i> , 2013, 26, 1377-1380.	1.0	36
74	RNA expression of human telomerase subunits TR and TERT is differentially affected by melatonin receptor agonists in the MCF-7 tumor cell line. <i>Cancer Letters</i> , 2004, 216, 73-80.	3.2	34
75	Mitochondrial damage induced by fetal hyperphenylalaninemia in the rat brain and liver: Its prevention by melatonin, Vitamin E, and Vitamin C. <i>Neuroscience Letters</i> , 2006, 392, 1-4.	1.0	34
76	The pineal secretory product melatonin reduces hydrogen peroxide-induced DNA damage in U-937 cells. <i>Journal of Pineal Research</i> , 1999, 26, 227-235.	3.4	33
77	Sex-Dependent Effect of Melatonin on Systemic Erythematosus Lupus Developed in Mrl/Mpj-Faslpr Mice: It Ameliorates the Disease Course in Females, whereas It Exacerbates It in Males. <i>Endocrinology</i> , 2006, 147, 1717-1724.	1.4	33
78	Thyroxine α^2 -Deiodination in Brown Adipose Tissue and Pineal Gland: Implications for Thermogenic Regulation and Role of Melatonin*. <i>Endocrinology</i> , 1988, 123, 677-680.	1.4	32
79	Dual effect of melatonin as proinflammatory and antioxidant in collagen-induced arthritis in rats. <i>Journal of Pineal Research</i> , 2005, 38, 93-99.	3.4	32
80	Activation of cyclic AMP-dependent protein kinase by VIP in blood mononuclear cells. <i>Peptides</i> , 1984, 5, 371-373.	1.2	30
81	Histological changes during development of the cerebellum in the chick embryo exposed to a static magnetic field. <i>Bioelectromagnetics</i> , 1997, 18, 36-46.	0.9	29
82	Nuclear Receptors Are Involved in the Enhanced IL-6 Production by Melatonin in U937 Cells. <i>NeuroSignals</i> , 2000, 9, 197-202.	0.5	29
83	The use of melatonin as a vaccine agent. <i>Vaccine</i> , 2005, 23, 5321-5327.	1.7	29
84	β^2 and β^1 Adrenergic Mechanisms Are Involved in Regulation of Rat Pineal Type II Thyroxine 5'- Deiodinase Activity during Development*. <i>Endocrinology</i> , 1991, 128, 1661-1667.	1.4	28
85	Melatonin potentiates cyclic AMP production stimulated by vasoactive intestinal peptide in human lymphocytes. <i>Neuroscience Letters</i> , 1992, 136, 150-152.	1.0	27
86	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> , 1996, 20, 33-38.	3.4	26
87	Blocking of melatonin synthesis and MT1 receptor impairs the activation of Jurkat T cells. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 3163-3172.	2.4	26
88	Presence of the pineal hormone melatonin in rat cochlea: its variations with lighting conditions. <i>Neuroscience Letters</i> , 1997, 238, 81-83.	1.0	25
89	Circulating cell-free DNA is a predictor of short-term neurological outcome in stroke patients treated with intravenous thrombolysis. <i>Journal of Circulating Biomarkers</i> , 2016, 5, 184945441666879.	0.8	25
90	Inhibition of Pineal Type-II 5'-Deiodinase Does Not Affect the Nocturnal Increase of N-Acetyltransferase Activity and Melatonin Content in Either Euthyroid or Thyroidectomized Rats. <i>Journal of Pineal Research</i> , 1988, 5, 513-520.	3.4	24

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91	Melatonin prevents focal rat cerebellum injury as assessed by induction of heat shock protein (HO-1) following subarachnoid injections of lysed blood. <i>Neuroscience Letters</i> , 2002, 331, 208-210.	1.0	24
92	Inverse correlation between endogenous melatonin levels and oxidative damage in some tissues of SAM P8 mice. <i>Journal of Pineal Research</i> , 2006, 40, 153-157.	3.4	24
93	Associations between frailty and serum N-terminal propeptide of type I procollagen and 25-hydroxyvitamin D in older Spanish women: The Toledo Study for Healthy Aging. <i>Experimental Gerontology</i> , 2015, 69, 79-84.	1.2	24
94	Autophagy upregulation and loss of NF- κ B in oxidative stress-related immunodeficient SAMP8 mice. <i>Mechanisms of Ageing and Development</i> , 2009, 130, 722-730.	2.2	23
95	C cells evolve at the same rhythm as follicular cells when thyroidal status changes in rats. <i>Journal of Anatomy</i> , 2009, 214, 301-309.	0.9	23
96	Long-term melatonin administration increases polyunsaturated fatty acid percentage in plasma lipids of hypercholesterolemic rats. <i>Journal of Pineal Research</i> , 2002, 32, 179-186.	3.4	22
97	Differential responses of rat pineal thyroxine type II 5'-deiodinase and N-acetyltransferase activities to either light exposure, isoproterenol, phenylephrine, or propranolol. <i>Cellular and Molecular Neurobiology</i> , 1988, 8, 447-458.	1.7	21
98	Role of Postsynaptic β -Adrenergic Receptors in the β -Adrenergic Stimulation of Melatonin Production in the Syrian Hamster Pineal Gland in Organ Culture. <i>Journal of Pineal Research</i> , 1989, 7, 13-22.	3.4	21
99	VASOACTIVE INTESTINAL PEPTIDE AND PITUITARY ADENYLATE CYCLASE-ACTIVATING POLYPEPTIDE INHIBIT LPS-STIMULATED MIP-1 α PRODUCTION AND mRNA EXPRESSION. <i>Cytokine</i> , 2002, 18, 35-42.	1.4	21
100	β 2- and β 1-adrenergic receptors are involved in regulating type II thyroxine 5 α -deiodinase activity in the rat Harderian gland. <i>Life Sciences</i> , 1991, 49, 1523-1530.	2.0	20
101	Iodothyronine 5'-deiodinating activity in the pineal gland. <i>International Journal of Biochemistry & Cell Biology</i> , 1992, 24, 1513-1523.	0.8	20
102	Non-Invasive Prenatal Diagnosis of Multiple Endocrine Neoplasia Type 2A Using COLD-PCR Combined with HRM Genotyping Analysis from Maternal Serum. <i>PLoS ONE</i> , 2012, 7, e51024.	1.1	19
103	Melatonin and other antioxidants prolong the postmortem activity of the outer hair cells of the organ of Corti: Its relation to the type of death. <i>Journal of Pineal Research</i> , 1999, 27, 73-77.	3.4	16
104	Forskolin, an activator of adenylate cyclase activity, promotes large increases in N-acetyl transferase activity and melatonin production in the Syrian hamster pineal gland only during the late dark period. <i>Biochemical and Biophysical Research Communications</i> , 1988, 155, 209-215.	1.0	15
105	Melatonin prevents the formation of pyrrolized proteins in human plasma induced by hydrogen peroxide. <i>Neuroscience Letters</i> , 2002, 326, 147-150.	1.0	15
106	The utility of C-reactive protein and procalcitonin for sepsis diagnosis in critically burned patients: A preliminary study. <i>Plastic Surgery</i> , 2015, 23, 239-243.	0.4	14
107	Interaction of vasoactive intestinal peptide with a cell line (HeLa) derived from human carcinoma of the cervix: Binding to specific sites and stimulation of adenylate cyclase. <i>Molecular and Cellular Biochemistry</i> , 1981, 37, 167-176.	1.4	13
108	The interaction of vasoactive intestinal peptide (VIP) with isolated bovine thyroid plasma membranes. <i>Biochemical and Biophysical Research Communications</i> , 1985, 128, 1336-1341.	1.0	13

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109	Stimulatory Effect of Isoproterenol but Not of Dibutyryl Cyclic AMP on N-Acetyltransferase Activity and Melatonin Content of Syrian Hamster Pineal Gland in Organ Culture. <i>Neuroendocrinology</i> , 1988, 48, 229-234.	1.2	13
110	Melatonin Prevents Hyperhomocysteinemia and Neural Lipid Peroxidation Induced by Methionine Intake. <i>Current Neurovascular Research</i> , 2005, 2, 175-178.	0.4	13
111	Noninvasive prenatal diagnosis by cell-free DNA screening for fetomaternal HPA platelet incompatibility. <i>Transfusion</i> , 2018, 58, 2272-2279.	0.8	13
112	Point-of-care haemostasis monitoring during liver transplantation is cost effective. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019, 57, 883-890.	1.4	13
113	Melatonin restores and enhances the human type B tonsillar lymphocyte subset in recurrent acute tonsillitis. <i>Neuroscience Letters</i> , 1998, 247, 131-134.	1.0	12
114	Treatment with testosterone or estradiol in melatonin treated females and males MRL/MpJ ^{Fas^{lpr}} mice induces negative effects in developing systemic lupus erythematosus. <i>Journal of Pineal Research</i> , 2008, 45, 204-211.	3.4	12
115	Specific Binding of Melatonin by Immunocompetent Cells in Humans and Rodents.. <i>Annals of the New York Academy of Sciences</i> , 1994, 719, 369-377.	1.8	10
116	Melatonin induces hyporeactivity caused by type II collagen in peripheral blood lymphocytes from patients with autoimmune hearing losses. <i>Neuroscience Letters</i> , 1997, 239, 1-4.	1.0	10
117	Detection of p53 Mutations in Circulating DNA of Transplanted Hepatocellular Carcinoma Patients as a Biomarker of Tumor Recurrence. <i>Advances in Experimental Medicine and Biology</i> , 2016, 924, 25-28.	0.8	10
118	Nocturnal increase in pineal melatonin production in two lemming species, <i>Dicrostonyx hudsonius</i> and <i>D. groenlandicus</i> . <i>General and Comparative Endocrinology</i> , 1990, 78, 322-325.	0.8	9
119	Nocturnal increases in the triiodothyronine/thyroxine ratio in the rat thymus and pineal gland follow increases of type II 5 α -deiodinase activity. <i>International Journal of Biochemistry and Cell Biology</i> , 1998, 30, 235-241.	1.2	9
120	Pleural fluid cell-free DNA in parapneumonic pleural effusion. <i>Clinical Biochemistry</i> , 2015, 48, 1003-1005.	0.8	9
121	Elevation of cyclic GMP levels in the rat pineal gland induced by nitric oxide. <i>Journal of Pineal Research</i> , 1994, 16, 210-214.	3.4	8
122	High activity of retinal N-acetyltransferase in the early development of the chick embryo: independence of lighting conditions. <i>Neuroscience Letters</i> , 1994, 179, 103-106.	1.0	8
123	Seasonal Variations in Macrophages/Microglia Underlie Changes in the Mouse Model of Multiple Sclerosis Severity. <i>Molecular Neurobiology</i> , 2020, 57, 4082-4089.	1.9	8
124	Effects of either forskolin, the 1,9-dideoxy derivative of forskolin, or 8-bromocyclic AMP on cyclic AMP and melatonin production in the Syrian hamster pineal gland in organ culture. <i>Neuroscience Letters</i> , 1989, 103, 338-342.	1.0	7
125	In vivo activation of pineal N-acetyltransferase but not type II thyroxine 5 α -deiodinase by phenylephrine in young rats. <i>Neuroscience Letters</i> , 1991, 127, 13-15.	1.0	7
126	Vasoactive intestinal peptide enhances phorbol myristate acetate-induced chemiluminescence in human lymphocytes. <i>Life Sciences</i> , 1992, 51, 1803-1810.	2.0	7

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127	Diurnal Variations in [125I]Melatonin Binding by Rat Thymus Membranes: Effects of Continuous Light Exposure and Pinealectomy. <i>Chronobiology International</i> , 1995, 12, 382-388.	0.9	7
128	$\hat{1}^2$ - and $\hat{1}^{\pm}$ -adrenergic mechanisms are involved in regulating type II thyroxine $5\hat{a}^{\epsilon 2}$ -deiodinase in rat thymus. <i>Life Sciences</i> , 1995, 58, 1-8.	2.0	7
129	Hemoglobin Seville [$\hat{1}^{\pm 2}$ $\hat{1}^{22}$ 81(EF5) Leu \hat{a}^{\dagger} Phe] a silent phenotypic variant that interferes in hemoglobin A1c measurement by ion-exchange HPLC method. <i>Clinical Biochemistry</i> , 2011, 44, 933-935.	0.8	7
130	Evaluation of the State of Transplanted Liver Health by Monitoring of Organ-Specific Genomic Marker in Circulating DNA from Receptor. <i>Advances in Experimental Medicine and Biology</i> , 2016, 924, 113-116.	0.8	7
131	Effects of immediate \hat{a}^{ϵ} release niacin and dietary fatty acids on acute insulin and lipid status in individuals with metabolic syndrome. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 2194-2200.	1.7	7
132	Accuracy diagnosis improvement of Fabry disease from dried blood spots: Enzyme activity, $\langle scp \rangle$ lyso \hat{a}^{ϵ} $\langle /scp \rangle$ accumulation and $\langle scp \rangle$ $\langle i \rangle$ GLA $\langle /i \rangle$ $\langle /scp \rangle$ gene sequencing. <i>Clinical Genetics</i> , 2021, 99, 761-771.	1.0	7
133	Genotype/phenotype relationship in Gaucher disease patients. Novel mutation in glucocerebrosidase gene. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 2017-2024.	1.4	7
134	Thyroxine type II 5^1 -deiodinase activity in pineal and harderian gland is enhanced by hypothyroidism but is independent of serum thyroxine concentrations during hyperthyroidism. <i>International Journal of Biochemistry & Cell Biology</i> , 1993, 25, 1041-1046.	0.8	6
135	Different sensitivity of rat pineal N-acetyltransferase to $\hat{1}^{\pm}$ - and $\hat{1}^2$ -adrenergic receptor agonists during development: in vitro studies. <i>Neuroscience Letters</i> , 1994, 182, 303-305.	1.0	6
136	Characterization of VIP receptor-effector system antagonists in rat and mouse peritoneal macrophages. <i>European Journal of Pharmacology</i> , 1997, 321, 379-386.	1.7	6
137	Non-invasive Prenatal Diagnosis of Feto-Maternal Platelet Incompatibility by Cold High Resolution Melting Analysis. <i>Advances in Experimental Medicine and Biology</i> , 2016, 924, 67-70.	0.8	5
138	Chapter 41: Circadian rhythm and pharmacologic regulation of the monodeiodination of 3,3',5,5'-tetraiodothyronine in the pineal gland. <i>Progress in Brain Research</i> , 1992, 91, 315-321.	0.9	4
139	Neurotoxicity of Dextrophan. <i>Archives of Medical Research</i> , 1999, 30, 125-127.	1.5	4
140	Mobile Laboratory Unit: a disruptor solution for hemostasis management during major surgery. Usage in the context of face transplantation. <i>Clinical Chemistry and Laboratory Medicine</i> , 2012, 50, 1621-4.	1.4	4
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142	Genotype \hat{a}^{ϵ} phenotype correlation of 17 cases of Pompe disease in Spanish patients and identification of 4 novel GAA variants. <i>Orphanet Journal of Rare Diseases</i> , 2021, 16, 233.	1.2	4
143	The utility of C-reactive protein and procalcitonin for sepsis diagnosis in critically burned patients: A preliminary study. <i>Plastic Surgery</i> , 2015, 23, 239-43.	0.4	4
144	Adrenalectomy or Superior Cervical Ganglionectomy Modifies the Nocturnal Increase in Rat Pineal Type II Thyroxine $5\hat{a}^{\epsilon 2}$ -Deiodinase. <i>Chronobiology International</i> , 1993, 10, 87-93.	0.9	3

#	ARTICLE	IF	CITATIONS
145	Expression of type II thyroxine 5 α -deiodinase from rat Harderian gland in <i>Xenopus laevis</i> oocytes. <i>FEBS Letters</i> , 1994, 354, 110-112.	1.3	3
146	Different experimental conditions which regulate type II 5 α -deiodinase mRNA in rat Harderian gland. <i>Life Sciences</i> , 1997, 61, 181-192.	2.0	3
147	Decreased binding of vasoactive intestinal peptide to intestinal epithelial cells from hypothyroid rats. <i>Biochemical and Biophysical Research Communications</i> , 1989, 162, 701-707.	1.0	2
148	Characterization of binding sites for β_2 -adrenergic agonists and vasoactive intestinal peptide in the rat Harderian gland. , 1996, 34, 139-143.		2
149	Decrease in serum total cholesterol and increase in high-density lipoprotein cholesterol in rats following moderate intake of sherry. <i>Journal of the Science of Food and Agriculture</i> , 2004, 84, 613-615.	1.7	2
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151	Development and validation of a laboratory-based risk score to predict the occurrence of critical illness in hospitalized patients with COVID-19. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2021, 81, 282-289.	0.6	2
152	Mechanisms Involved in the Immunomodulatory Effects of Melatonin on the Human Immune System. , 2001, , 408-416.		2
153	Multiple Facets of Melatonin in Immunity: Clinical Applications. , 2014, , 117-141.		1
154	Postnatal Development of Vasoactive Intestinal Peptide Receptor α Effector System in Rat Immunocompetent Cells. <i>Annals of the New York Academy of Sciences</i> , 2000, 921, 357-361.	1.8	0