Margarita L Dubocovich

List of Publications by Year
in descending order

98	7,553	81839 39	54882 84
papers	citations	h-index	g-index

101	101	101	5313
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	International Union of Basic and Clinical Pharmacology. LXXV. Nomenclature, Classification, and Pharmacology of G Protein-Coupled Melatonin Receptors. Pharmacological Reviews, 2010, 62, 343-380.	7.1	486
2	Melatonin is a potent modulator of dopamine release in the retina. Nature, 1983, 306, 782-784.	13.7	467
3	MT₁ and MT₂ Melatonin Receptors: A Therapeutic Perspective. Annual Review of Pharmacology and Toxicology, 2016, 56, 361-383.	4.2	424
4	Molecular pharmacology regulation and function of mammalian melatonin receptors. Frontiers in Bioscience - Landmark, 2003, 8, d1093-1108.	3.0	387
5	Melatonin-Depleted Blood from Premenopausal Women Exposed to Light at Night Stimulates Growth of Human Breast Cancer Xenografts in Nude Rats. Cancer Research, 2005, 65, 11174-11184.	0.4	364
6	Melatonin receptors: Are there multiple subtypes?. Trends in Pharmacological Sciences, 1995, 16, 50-56.	4.0	361
7	Selective MT ₂ melatonin receptor antagonists block melatoninâ€mediated phase advances of circadian rhythms. FASEB Journal, 1998, 12, 1211-1220.	0.2	345
8	Update on melatonin receptors: IUPHAR Review 20. British Journal of Pharmacology, 2016, 173, 2702-2725.	2.7	312
9	Melatonin receptors: Role on sleep and circadian rhythm regulation. Sleep Medicine, 2007, 8, 34-42.	0.8	290
10	Pharmacology and function of melatonin receptors. FASEB Journal, 1988, 2, 2765-2773.	0.2	263
11	The Impact of School Daily Schedule on Adolescent Sleep. Pediatrics, 2005, 115, 1555-1561.	1.0	243
12	Activation of MT₂ melatonin receptors in rat suprachiasmatic nucleus phase advances the circadian clock. American Journal of Physiology - Cell Physiology, 2001, 280, C110-C118.	2.1	235
13	Phase-Dependent Treatment of Delayed Sleep Phase Syndrome with Melatonin. Sleep, 2005, 28, 1271-1278.	0.6	198
14	Negative feedback regulation of noradrenaline release by nerve stimulation in the perfused cat's spleen: differences in potency of phenoxybenzamine in blocking the pre- and post-synaptic adrenergic receptors. Journal of Physiology, 1974, 237, 505-519.	1.3	192
15	Virtual discovery of melatonin receptor ligands to modulate circadian rhythms. Nature, 2020, 579, 609-614.	13.7	184
16	Functional Melatonin Receptors in Rat Ovaries at Various Stages of the Estrous Cycle. Journal of Pharmacology and Experimental Therapeutics, 2003, 306, 694-702.	1.3	165
17	MT2Melatonin Receptors Are Present and Functional in Rat Caudal Artery. Journal of Pharmacology and Experimental Therapeutics, 2002, 302, 1295-1302.	1.3	144
18	Familial Advanced Sleep Phase Syndrome. Archives of Neurology, 2001, 58, 1089.	4.9	137

#	Article	IF	Citations
19	Binding characteristics of the dopamine uptake inhibitor [3H]nomifensine to striatal membranes. Biochemical Pharmacology, 1985, 34, 1137-1144.	2.0	130
20	Regulatory sites in the melatonin system of mammals. Trends in Neurosciences, 1990, 13, 464-470.	4.2	129
21	MT1 melatonin receptor overexpression enhances the growth suppressive effect of melatonin in human breast cancer cells. Molecular and Cellular Endocrinology, 2002, 192, 147-156.	1.6	124
22	Melatonin desensitizes endogenous MT 2 melatonin receptors in the rat suprachiasmatic nucleus: relevance for defining the periods of sensitivity of the mammalian circadian clock to melatonin. FASEB Journal, 2004, 18, 1646-1656.	0.2	120
23	Melatonin receptor subtype expression in human cerebellum. NeuroReport, 1998, 9, 4063-4068.	0.6	113
24	Melatonin and Light Induce Phase Shifts of Circadian Activity Rhythms in the C3H/HeN Mouse. Journal of Biological Rhythms, 1996, 11, 113-125.	1.4	98
25	2-[125I]Iodo-5-methoxycarbonylamino-N-acetyltryptamine: a selective radioligand for the characterization of melatonin ML2 binding sites. European Journal of Pharmacology, 1996, 301, 159-168.	1.7	96
26	The neuroprotective activities of melatonin against the Alzheimer Î²-protein are not mediated by melatonin membrane receptors. Journal of Pineal Research, 2002, 32, 135-142.	3.4	83
27	2-Amido-8-methoxytetralins: A series of nonindolic melatonin-like agents. Journal of Medicinal Chemistry, 1993, 36, 2891-2898.	2.9	78
28	Melatonin-mediated regulation of human MT1 melatonin receptors expressed in mammalian cells. Biochemical Pharmacology, 2004, 67, 2023-2030.	2.0	66
29	Light-induced phase shifts of circadian activity rhythms and immediate early gene expression in the suprachiasmatic nucleus are attenuated in old C3H/HeN mice. Brain Research, 1997, 747, 34-42.	1.1	65
30	Circadian modulation of neuroplasticity by melatonin: a target in the treatment of depression. British Journal of Pharmacology, 2018, 175, 3200-3208.	2.7	64
31	Melatonin Receptorâ€Mediated Stimulation of Phosphoinositide Breakdown in Chick Brain Slices. Journal of Neurochemistry, 1995, 64, 130-138.	2.1	63
32	Light-dependent regulation of dopamine receptors in mammalian retina. Brain Research, 1985, 335, 321-325.	1.1	62
33	Melatonin potentiates running wheelâ€induced neurogenesis in the dentate gyrus of adult C3H/HeN mice hippocampus. Journal of Pineal Research, 2013, 54, 222-231.	3.4	57
34	STIMULATION OF PRESYNAPTIC Î²â€ADRENOCEPTORS ENHANCES [³H]â€NORADRENALINE RELEASE DURING NERVE STIMULATION IN THE PERFUSED CAT SPLEEN. British Journal of Pharmacology, 1978, 63, 97-109.	2.7	56
35	The high affinity melatonin binding site probed with conformationally restricted ligandsâ€”I. Pharmacophore and minireceptor models. Bioorganic and Medicinal Chemistry, 1996, 4, 1321-1332.	1.4	55
36	Localization of 2-[125I]Iodomelatonin Binding Sites in Mammalian Retina. Journal of Neurochemistry, 1991, 56, 1873-1880.	2.1	51

#	Article	IF	Citations
37	Carbamate Insecticides Target Human Melatonin Receptors. Chemical Research in Toxicology, 2017, 30, 574-582.	1.7	44
38	Presynaptic Alpha-Adrenoceptors in the Central Nervous System. Annals of the New York Academy of Sciences, 1984, 430, 7-25.	1.8	43
39	PHARMACOLOGICAL DIFFERENTIATION OF PRESYNAPTIC INHIBITORY Î±â€ADRENOCEPTORS AND OPIATE RECEPTORS IN THE CAT NICTITATING MEMBRANE. British Journal of Pharmacology, 1980, 70, 383-393.	2.7	42
40	Role of melatonin in retina. Progress in Retinal and Eye Research, 1988, 8, 129-151.	0.8	42
41	Immortalized cells from the rat suprachiasmatic nucleus express functional melatonin receptors. Brain Research, 2004, 1002, 21-27.	1.1	39
42	Mutagenesis studies of the human MT2 melatonin receptor. Biochemical Pharmacology, 2003, 66, 315-320.	2.0	36
43	17Î²-Estradiol Modulates hMT₁ Melatonin Receptor Function. Neuroendocrinology, 2005, 81, 87-95.	1.2	33
44	The area of 2-[125I]iodomelatonin binding in the pars tuberalis of the ground squirrel is decreased during hibernation. Brain Research, 1991, 557, 285-288.	1.1	30
45	Effects of flow-stop on the metabolism of noradrenaline released by nerve stimulation in the perfused spleen. Naunyn-Schmiedeberg's Archives of Pharmacology, 1973, 278, 179-194.	1.4	29
46	Regulation of basal rhythmicity in protein kinase C activity by melatonin in immortalized rat suprachiasmatic nucleus cells. Neuroscience Letters, 2003, 346, 37-40.	1.0	28
47	Melatonin receptor activation increases glutamatergic synaptic transmission in the rat medial lateral habenula. Synapse, 2016, 70, 181-186.	0.6	28
48	Monoamines and Their Precursors and Metabolites in the Chicken Brain, Pineal, and Retina: Regional Distribution and Day/Night Variations. Journal of Neurochemistry, 1992, 58, 722-729.	2.1	26
49	Physiological Exposure to Melatonin Supersensitizes the Cyclic Adenosine 3',5'-Monophosphate-Dependent Signal Transduction Cascade in Chinese Hamster Ovary Cells Expressing the Human mt1 Melatonin Receptor. Endocrinology, 1998, 139, 3064-3071.	1.4	26
50	Genetic deletion of MT₁ and MT₂ melatonin receptors differentially abrogates the development and expression of methamphetamineâ€induced locomotor sensitization during the day and the night in C3H/HeN mice. Journal of Pineal Research, 2012, 53, 399-409.	3.4	23
51	The Timing of Melatonin Administration Is Crucial for Its Antidepressant-Like Effect in Mice. International Journal of Molecular Sciences, 2018, 19, 2278.	1.8	23
52	Agomelatine targets a range of major depressive disorder symptoms. Current Opinion in Investigational Drugs, 2006, 7, 670-80.	2.3	23
53	LACK OF CORRELATION BETWEEN PRESYNAPTIC INHIBITION OF NORADRENALINE RELEASE AND END ORGAN RESPONSES DURING NERVE STIMULATION. British Journal of Pharmacology, 1980, 69, 81-90.	2.7	22
54	Interactions between Light and Melatonin on the Circadian Clock of Mice. Journal of Biological Rhythms, 1999, 14, 281-289.	1.4	21

#	Article	IF	Citations
55	Modulation of [³H]â€dopamine released by different frequencies of stimulation from rabbit retina. British Journal of Pharmacology, 1986, 88, 51-61.	2.7	20
56	Role of MT1 melatonin receptors in methamphetamine-induced locomotor sensitization in C57BL/6 mice. Psychopharmacology, 2014, 231, 257-267.	1.5	20
57	Genetic deletion of the MT1 or MT2 melatonin receptors abrogates methamphetamine-induced reward in C3H/HeN mice. Physiology and Behavior, 2014, 132, 79-86.	1.0	20
58	Effects of Melatonin Agonists and Antagonists on Reproduction and Body Weight in the Siberian Hamster. Journal of Pineal Research, 1990, 9, 231-242.	3.4	19
59	Melatonin differentially modulates the expression and function of the hMT1 and hMT2 melatonin receptors upon prolonged withdrawal. Biochemical Pharmacology, 2003, 65, 731-739.	2.0	19
60	Circadian Periods of Sensitivity for Ramelteon on the onset of Running-wheel Activity and the Peak of Suprachiasmatic Nucleus Neuronal Firing Rhythms in C3H/HeN Mice. Chronobiology International, 2011, 28, 31-38.	0.9	17
61	Melatonin multifaceted pharmacological actions on melatonin receptors converging to abrogate COVIDâ€19. Journal of Pineal Research, 2021, 71, e12732.	3.4	16
62	Impact of endogenous melatonin on rhythmic behaviors, reproduction, and survival revealed in melatoninâ€proficient C57BL/6J congenic mice. Journal of Pineal Research, 2021, 71, e12748.	3.4	16
63	Activation of Melatonin Receptor Sites Retarded the Depletion of Norepinephrine Following Inhibition of Synthesis in the C3H/HeN Mouse Hypothalamus. Journal of Neurochemistry, 1990, 55, 76-82.	2.1	15
64	Interaction between presynaptic facilitatory angiotensin II receptors and inhibitory muscarinic cholinoceptors on3H-noradrenaline release in the rabbit heart. Naunyn-Schmiedeberg's Archives of Pharmacology, 1985, 330, 9-15.	1.4	13
65	Effect of pinealectomy and the light/dark cycle on 2-[125I]iodomelatonin binding in the chick optic tectum. Cellular and Molecular Neurobiology, 1993, 13, 193-202.	1.7	12
66	Pharmacological Actions of Carbamate Insecticides at Mammalian Melatonin Receptors. Journal of Pharmacology and Experimental Therapeutics, 2021, 376, 306-321.	1.3	10
67	Low Doses of Ketamine and Melatonin in Combination Produce Additive Antidepressant-like Effects in Mice. International Journal of Molecular Sciences, 2021, 22, 9225.	1.8	9
68	2-[¹²⁵I]Iodomelatonin Binding Sites in the Rat Vas Deferens. NeuroSignals, 1993, 2, 194-198.	0.5	8
69	Presynaptic Receptors in the Visual System. Annals of the New York Academy of Sciences, 1990, 604, 82-95.	1.8	7
70	Longâ€term effects of maternal separation on the responsiveness of the circadian system to melatonin in the diurnal nonhuman primate (Macaca mulatta). Journal of Pineal Research, 2014, 56, 254-263.	3.4	7
71	Optic nerve transection decreases 2-[125I]iodomelatonin binding in the chick optic tectum. Brain Research, 1992, 590, 325-328.	1.1	6
72	Presynaptic Modulation by Melatonin of the Nicotine-Induced Calcium-Dependent Release of Norepinephrine from Rat Vas Deferens. NeuroSignals, 1993, 2, 199-206.	0.5	6

#	Article	IF	Citations
73	Best Practices in Social and Behavioral Research: A multisite pilot evaluation of the good clinical practice online training course. Journal of Clinical and Translational Science, 2018, 2, 95-102.	0.3	6
74	Lack of interaction between tricyclic antidepressants and clonidine at the alpha2-adrenoceptor on human platelets. Clinical Pharmacology and Therapeutics, 1982, 32, 744-748.	2.3	5
75	Siberian hamsters that fail to reentrain to the photocycle have suppressed melatonin levels. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 278, R757-R762.	0.9	5
76	Melatonin Receptor Signaling. , 2003, , 638-644.		5
77	Food-induced reinforcement is abrogated by the genetic deletion of the MT 1 or MT 2 melatonin receptor in C3H/HeN mice. Behavioural Brain Research, 2018, 343, 28-35.	1.2	5
78	Nimodipine potentiates the light-induced suppression of melatonin. Neuroscience Letters, 1999, 272, 67-71.	1.0	4
79	Therapeutic potential of melatonin receptor agonists and antagonists. Expert Opinion on Emerging Drugs, 1999, 4, 153-173.	1.1	3
80	Nimodipine potentiates light-induced phase shifts of circadian activity rhythms but not c-fos expression in the suprachiasmatic nucleus of mice. Brain Research, 2003, 966, 157-161.	1.1	3
81	Characterization of 2-[125I]-Iodomelatonin Binding Sites in the Golden Hamster Retina by Autoradiography. Biological Rhythm Research, 2001, 32, 191-200.	0.4	1
82	Learned motivation drives circadian physiology in the absence of the master circadian clock. FASEB Journal, 2017, 31, 388-399.	0.2	1
83	Selective MT 2 Melatonin Receptor Antagonist Modulates Circadian Activity via Inhibition of the Endogenous Melatonin Signal in the East Bound Jet Lag Model. FASEB Journal, 2021, 35, .	0.2	1
84	Effects of the Melatonin Receptor Antagonist (MT2)/Inverse Agonist (MT1) Luzindole on Reâ€entrainment of Wheel Running Activity and Spontaneous Homecage Behaviors in C3H/HeN Mice. FASEB Journal, 2012, 26, .	0.2	1
85	The insecticides carbaryl and carbofuran show high affinity for hMT 2 melatonin receptors (662.12). FASEB Journal, 2014, 28, 662.12.	0.2	1
86	Foreword: Special issue, retina I. Cellular and Molecular Neurobiology, 1991, 11, 435-436.	1.7	0
87	Special Issue on Retina II. Cellular and Molecular Neurobiology, 1991, 11, 561-562.	1.7	0
88	The Câ€terminal PDZ binding motifs in hMT 1 and hMT 2 melatonin receptors are required for membrane localization, but not for melatoninâ€induced receptor desensitization. FASEB Journal, 2008, 22, 725.2.	0.2	0
89	Ramelteon Phase Shifts Circadian Rhythms Of Activity And Promotes Sleep In The Rhesus Monkey. FASEB Journal, 2008, 22, 1125.4.	0.2	0
90	Methamphetamineâ€Induced Locomotor Sensitization in C57BL/6 Mice Requires the MT1 Melatonin Receptor. FASEB Journal, 2012, 26, 1040.6.	0.2	0

#	Article	IF	Citations
91	Melatonin Accelerates the Reâ€entrainment Rate of Multiple Spontaneous Homecage Behavioral Rhythms in the C3H/HeN Mice. FASEB Journal, 2013, 27, 1099.6.	0.2	0
92	Characterization of MT1 melatonin receptor expressing neurons in the medial habenula, habenula commissure and periaqueductal grey of the C3H/HeN mouse brain. FASEB Journal, 2013, 27, 1170.2.	0.2	0
93	Affinity and Selectivity of Luzindole Analogs in Mouse and Human MT1 and MT2 Melatonin Receptors Transiently Expressed in Mammalian Cells. FASEB Journal, 2013, 27, .	0.2	0
94	Molecular Modeling Predicts Affinity of Environmental Toxins for Human and Mouse MT 1 and MT 2 Melatonin Receptors. FASEB Journal, 2015, 29, 776.4.	0.2	0
95	Environmental Circadian Modulators Target Melatonin Receptors in Pancreatic Î²â€Cells. FASEB Journal, 2015, 29, 776.3.	0.2	0
96	The Role of Trace Amine Associated Receptorâ€1 (TAARâ€1) on the Modulation of Circadian Rhythms in Mice. FASEB Journal, 2018, 32, .	0.2	0
97	Carbamate Insecticides Bind to a Novel Allosteric Site on hMT 1 Melatonin Receptors. FASEB Journal, 2018, 32, 691.6.	0.2	0
98	Carbamate Insecticide Carbaryl Targets Melatonin Receptors and Modulates Circadian Rhythms. FASEB Journal, 2018, 32, 691.3.	0.2	0