

Mahesh M Thakkar

List of Publications by Year in descending order

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75
papers

5,609
citations

134610

34
h-index

104191

69
g-index

76
all docs

76
docs citations

76
times ranked

4416
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of dopamine D2 receptors in the medial shell region of the nucleus accumbens increases Per1 expression to enhance alcohol consumption. <i>Addiction Biology</i> , 2022, 27, e13133.	1.4	2
2	Sleep, sleep homeostasis and arousal disturbances in alcoholism. <i>Brain Research Bulletin</i> , 2022, 182, 30-43.	1.4	7
3	Short-term sleep deprivation immediately after contextual conditioning inhibits BDNF signaling and disrupts memory consolidation in predator odor trauma mice model of PTSD. <i>Brain Research</i> , 2021, 1750, 147155.	1.1	11
4	Rats exposed to chronic alcohol display protracted insomnia and daytime sleepiness-like behavior during alcohol withdrawal. <i>Physiology and Behavior</i> , 2021, 228, 113200.	1.0	5
5	Multi-focus Image Fusion for Confocal Microscopy Using U-Net Regression Map. , 2021, 2020, 4317-4323.		4
6	Antisense-induced Downregulation of Clock Genes in the Shell Region of the Nucleus Accumbens Reduces Binge Drinking in Mice. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 530-542.	1.4	9
7	Antisense-induced knockdown of cAMP response element-binding protein downregulates <i>Per1</i> gene expression in the shell region of nucleus accumbens resulting in reduced alcohol consumption in mice. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 1940-1949.	1.4	1
8	Antisense-induced downregulation of major circadian genes modulates the expression of histone deacetylase 2 (HDAC2) and CREB-binding protein (CBP) in the medial shell region of nucleus accumbens of mice exposed to chronic excessive alcohol consumption. <i>Journal of Neurochemistry</i> , 2021, , .	2.1	2
9	Sleep Loss Immediately After Fear Memory Reactivation Attenuates Fear Memory Reconsolidation. <i>Neuroscience</i> , 2020, 428, 70-75.	1.1	3
10	Orexin gene expression is downregulated in alcohol dependent rats during acute alcohol withdrawal. <i>Neuroscience Letters</i> , 2020, 739, 135347.	1.0	4
11	Chronic alcohol exposure reduces acetylated histones in the sleep-wake regulatory brain regions to cause insomnia during withdrawal. <i>Neuropharmacology</i> , 2020, 180, 108332.	2.0	6
12	Perfect timing: circadian rhythms, sleep, and immunity – an NIH workshop summary. <i>JCI Insight</i> , 2020, 5, .	2.3	136
13	0035 Gender Differences In Sleep Homeostasis: Chemogenetic Approach To Examine The Role Of Melanin Concentrating Hormone.. <i>Sleep</i> , 2019, 42, A13-A15.	0.6	0
14	Alcoholism and Sleep. , 2019, , 159-192.		2
15	Melatonin promotes sleep in mice by inhibiting orexin neurons in the perifornical lateral hypothalamus. <i>Journal of Pineal Research</i> , 2018, 65, e12498.	3.4	37
16	Severe and protracted sleep disruptions in mouse model of post-traumatic stress disorder. <i>Sleep</i> , 2018, 41, .	0.6	17
17	A single episode of binge alcohol drinking causes sleep disturbance, disrupts sleep homeostasis, and downregulates equilibrative nucleoside transporter 1. <i>Journal of Neurochemistry</i> , 2018, 146, 304-321.	2.1	16
18	Hypersomnia. <i>Missouri Medicine</i> , 2018, 115, 85-91.	0.3	2

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19	Sleep Medicine: Parasomnias. Missouri Medicine, 2018, 115, 169-175.	0.3	5
20	Sleep Medicine: Restless Legs Syndrome. Missouri Medicine, 2018, 115, 380-387.	0.3	4
21	Lesion of the basal forebrain cholinergic neurons attenuates sleepiness and adenosine after alcohol consumption. Journal of Neurochemistry, 2017, 142, 710-720.	2.1	13
22	Neural Mechanisms Contributing to Dysphagia in Mouse Models. Otolaryngology - Head and Neck Surgery, 2016, 155, 303-306.	1.1	4
23	Nicotine administration in the wakeâ€promoting basal forebrain attenuates sleepâ€promoting effects of alcohol. Journal of Neurochemistry, 2015, 135, 323-331.	2.1	17
24	Alcohol disrupts sleep homeostasis. Alcohol, 2015, 49, 299-310.	0.8	179
25	Neural activation patterns underlying basolateral amygdala influence on intra-accumbens opioid-driven consummatory versus appetitive high-fat feeding behaviors in the rat.. Behavioral Neuroscience, 2015, 129, 812-821.	0.6	13
26	Orexin, Alcohol and Sleep Homeostasis. , 2015, , 137-164.		1
27	Acute Binge Alcohol Administration Reverses Sleep-Wake Cycle in Sprague Dawley Rats. Alcoholism: Clinical and Experimental Research, 2014, 38, 1941-1946.	1.4	14
28	Nicotine Administration in the Cholinergic Basal Forebrain Increases Alcohol Consumption in C57BL/6J Mice. Alcoholism: Clinical and Experimental Research, 2014, 38, 1315-1320.	1.4	23
29	Nicotine Infusion in the Wakeâ€Promoting Basal Forebrain Enhances Alcoholâ€Induced Activation of Nucleus Accumbens. Alcoholism: Clinical and Experimental Research, 2014, 38, 2590-2596.	1.4	8
30	Role of Adenosine and the Orexinergic Perifornical Hypothalamus in Sleep-Promoting Effects of Ethanol. Sleep, 2014, 37, 525-533.	0.6	39
31	Rapid Tolerance Development to the NREM Sleep Promoting Effect of Alcohol. Sleep, 2014, 37, 821-824.	0.6	24
32	Adenosine and Glutamate Signaling in Neuronâ€Glial Interactions: Implications in Alcoholism and Sleep Disorders. Alcoholism: Clinical and Experimental Research, 2012, 36, 1117-1125.	1.4	69
33	Histamine in the regulation of wakefulness. Sleep Medicine Reviews, 2011, 15, 65-74.	3.8	178
34	Implication of the Purinergic System in Alcohol Use Disorders. Alcoholism: Clinical and Experimental Research, 2011, 35, 584-594.	1.4	60
35	Effects of Ethanol on Extracellular Levels of Adenosine in the Basal Forebrain: An In Vivo Microdialysis Study in Freely Behaving Rats. Alcoholism: Clinical and Experimental Research, 2010, 34, 813-818.	1.4	53
36	Role of Wakeâ€Promoting Basal Forebrain and Adenosinergic Mechanisms in Sleepâ€Promoting Effects of Ethanol. Alcoholism: Clinical and Experimental Research, 2010, 34, 997-1005.	1.4	52

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37	Role of adenosine and wake-promoting basal forebrain in insomnia and associated sleep disruptions caused by ethanol dependence. <i>Journal of Neurochemistry</i> , 2010, 115, 782-794.	2.1	67
38	Knockdown of orexin type 1 receptor in rat locus coeruleus increases REM sleep during the dark period. <i>European Journal of Neuroscience</i> , 2010, 32, 1528-1536.	1.2	44
39	Sleep-wakefulness in alcohol preferring and non-preferring rats following binge alcohol administration. <i>Neuroscience</i> , 2010, 170, 22-27.	1.1	18
40	Characterization of GABAergic neurons in rapid-eye-movement sleep controlling regions of the brainstem reticular formation in GAD67-green fluorescent protein knock-in mice. <i>European Journal of Neuroscience</i> , 2008, 27, 352-363.	1.2	81
41	Adenosine and the homeostatic control of sleep: Effects of A1 receptor blockade in the perifornical lateral hypothalamus on sleep-wakefulness. <i>Neuroscience</i> , 2008, 153, 875-880.	1.1	96
42	Effect of microdialysis perfusion of 4,5,6,7-tetrahydroisoxazolo-[5,4-c]pyridine-3-ol in the perifornical hypothalamus on sleep-wakefulness: Role of δ -subunit containing extrasynaptic GABAA receptors. <i>Neuroscience</i> , 2008, 153, 551-555.	1.1	13
43	PDGF-driven proliferation, migration, and IL8 chemokine secretion in human corneal fibroblasts involve JAK2-STAT3 signaling pathway. <i>Molecular Vision</i> , 2008, 14, 1020-7.	1.1	44
44	Nociceptin/orphanin FQ decreases serotonin efflux in the rat brain but in contrast to a μ -opioid has no antagonistic effect on μ -opioid-induced increases in serotonin efflux. <i>Neuroscience</i> , 2007, 147, 106-116.	1.1	25
45	Sleep fragmentation elevates behavioral, electrographic and neurochemical measures of sleepiness. <i>Neuroscience</i> , 2007, 146, 1462-1473.	1.1	103
46	Differential effect of orexins (hypocretins) on serotonin release in the dorsal and median raphe nuclei of freely behaving rats. <i>Neuroscience</i> , 2006, 141, 1101-1105.	1.1	67
47	Electrophysiological characterization of neurons in the dorsolateral pontine rapid-eye-movement sleep induction zone of the rat: Intrinsic membrane properties and responses to carbachol and orexins. <i>Neuroscience</i> , 2006, 143, 739-755.	1.1	74
48	Hippocampal synaptic plasticity and spatial learning are impaired in a rat model of sleep fragmentation. <i>European Journal of Neuroscience</i> , 2006, 23, 2739-2748.	1.2	185
49	REM sleep changes in rats induced by siRNA-mediated orexin knockdown. <i>European Journal of Neuroscience</i> , 2006, 24, 2039-2048.	1.2	67
50	Effects on serotonin of α -nicotine and dimethylphenylpiperazinium in the dorsal raphe and nucleus accumbens of freely behaving rats. <i>Neuroscience</i> , 2005, 135, 949-958.	1.1	25
51	Wakefulness-inducing effects of histamine in the basal forebrain of freely moving rats. <i>Behavioural Brain Research</i> , 2004, 152, 271-278.	1.2	48
52	Adenosine and sleep-wake regulation. <i>Progress in Neurobiology</i> , 2004, 73, 379-396.	2.8	515
53	Adenosinergic inhibition of basal forebrain wakefulness-active neurons: a simultaneous unit recording and microdialysis study in freely behaving cats. <i>Neuroscience</i> , 2003, 122, 1107-1113.	1.1	89
54	α 1 Receptor and Adenosinergic Homeostatic Regulation of Sleep-Wakefulness: Effects of Antisense to the α 1 Receptor in the Cholinergic Basal Forebrain. <i>Journal of Neuroscience</i> , 2003, 23, 4278-4287.	1.7	163

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55	Extracellular histamine levels in the feline preoptic/anterior hypothalamic area during natural sleep and wakefulness and prolonged wakefulness: An in vivo microdialysis study. <i>Neuroscience</i> , 2002, 113, 663-670.	1.1	87
56	Orexin neurons of the hypothalamus express adenosine A1 receptors. <i>Brain Research</i> , 2002, 944, 190-194.	1.1	62
57	Phasic but not tonic REM-selective discharge of periaqueductal gray neurons in freely behaving animals: relevance to postulates of GABAergic inhibition of monoaminergic neurons. <i>Brain Research</i> , 2002, 945, 276-280.	1.1	27
58	The evolution of REM sleep. , 2001, , 197-217.		1
59	Compensatory sleep response to 12 h wakefulness in young and old rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 278, R125-R133.	0.9	70
60	Adenosinergic modulation of basal forebrain and preoptic/anterior hypothalamic neuronal activity in the control of behavioral state. <i>Behavioural Brain Research</i> , 2000, 115, 183-204.	1.2	335
61	Adenosine as a Biological Signal Mediating Sleepiness following Prolonged Wakefulness. <i>NeuroSignals</i> , 2000, 9, 319-327.	0.5	74
62	Behavioral State Control through Differential Serotonergic Inhibition in the Mesopontine Cholinergic Nuclei: A Simultaneous Unit Recording and Microdialysis Study. <i>Journal of Neuroscience</i> , 1998, 18, 5490-5497.	1.7	191
63	Adenosine: A Mediator of the Sleep-Inducing Effects of Prolonged Wakefulness. <i>Science</i> , 1997, 276, 1265-1268.	6.0	1,120
64	Role of adenosine in behavioral state modulation: a microdialysis study in the freely moving cat. <i>Neuroscience</i> , 1997, 79, 225-235.	1.1	280
65	Effect of rapid eye movement sleep deprivation on 5 α -nucleotidase activity in the rat brain. <i>Neuroscience Letters</i> , 1996, 206, 177-180.	1.0	8
66	Microdialysis perfusion of 8-hydroxy-2-(di-n-propylamino)tetralin (8-OH- DPAT) in the dorsal raphe nucleus decreases serotonin release and increases rapid eye movement sleep in the freely moving cat. <i>Journal of Neuroscience</i> , 1996, 16, 2820-2828.	1.7	258
67	Chronic low-amplitude electrical stimulation of the laterodorsal tegmental nucleus of freely moving cats increases REM sleep. <i>Brain Research</i> , 1996, 723, 223-227.	1.1	161
68	Rapid eye movement sleep deprivation decreases membrane fluidity in the rat brain. <i>Neuroscience Research</i> , 1995, 22, 117-122.	1.0	25
69	Effect of rapid eye movement sleep deprivation on rat brain monoamine oxidases. <i>Neuroscience</i> , 1993, 55, 677-683.	1.1	54
70	Rapid Eye Movement Sleep-Deprivation-Induced Changes in Glucose Metabolic Enzymes in Rat Brain. <i>Sleep</i> , 1993, , .	0.6	16
71	Effect of REM sleep deprivation on molecular forms of acetylcholinesterase in rats. <i>NeuroReport</i> , 1992, 3, 676-678.	0.6	11
72	Short-term REM sleep deprivation increases acetylcholinesterase activity in the medulla of rats. <i>Neuroscience Letters</i> , 1991, 130, 221-224.	1.0	13

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73	Effect of REM sleep deprivation on rat brain acetylcholinesterase. Pharmacology Biochemistry and Behavior, 1991, 39, 211-214.	1.3	33
74	Histamine in the control of sleepâ€“wakefulness. , 0, , 144-178.		2
75	Adenosine and glycine in REM-sleep regulation. , 0, , 256-265.		0