Wei-Min Qu

List of Publications by Citations

81 papers	2,972 citations	27 h-index	53 g-index
87 ext. papers	3,640 ext. citations	6 avg, IF	4.86 L-index

#	Paper	IF	Citations
81	Adenosine A2A, but not A1, receptors mediate the arousal effect of caffeine. *Nature Neuroscience*, **2005**, 8, 858-9	25.5	481
80	Arousal effect of caffeine depends on adenosine A2A receptors in the shell of the nucleus accumbens. *Journal of Neuroscience*, **2011**, 31, 10067-75	6.6	211
79	Dopaminergic D1 and D2 receptors are essential for the arousal effect of modafinil. *Journal of Neuroscience*, **2008**, 28, 8462-9	6.6	188
78	Altered sleep-wake characteristics and lack of arousal response to H3 receptor antagonist in histamine H1 receptor knockout mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 4687-92	11.5	142
77	Essential role of dopamine D2 receptor in the maintenance of wakefulness, but not in homeostatic regulation of sleep, in mice. *Journal of Neuroscience*, **2010**, 30, 4382-9	6.6	136
76	Lipocalin-type prostaglandin D synthase produces prostaglandin D2 involved in regulation of physiological sleep. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 17949-54	11.5	129
75	An adenosine A receptor agonist induces sleep by increasing GABA release in the tuberomammillary nucleus to inhibit histaminergic systems in rats. *Journal of Neurochemistry*, **2005**, 92, 1542-9	6	120
74	Sleep regulation in adenosine A2A receptor-deficient mice. *Neurology*, **2003**, 61, S94-6	6.5	100
73	Slow-wave sleep is controlled by a subset of nucleus accumbens core neurons in mice. *Nature Communications*, **2017**, 8, 734	17.4	95
72	Nucleus accumbens controls wakefulness by a subpopulation of neurons expressing dopamine D receptors. *Nature Communications*, **2018**, 9, 1576	17.4	84
71	Roles of adenosine and its receptors in sleep-wake regulation. *International Review of Neurobiology*, **2014**, 119, 349-71	4.4	78
70	Basal Forebrain Cholinergic Neurons Primarily Contribute to Inhibition of Electroencephalogram Delta Activity, Rather Than Inducing Behavioral Wakefulness in Mice. *Neuropsychopharmacology*, **2016**, 41, 2133-46	8.7	76
69	Extracellular histamine level in the frontal cortex is positively correlated with the amount of wakefulness in rats. *Neuroscience Research*, **2004**, 49, 417-20	2.9	60
68	Prostaglandin E2 activates the histaminergic system via the EP4 receptor to induce wakefulness in rats. *Journal of Neuroscience*, **2003**, 23, 5975-83	6.6	58
67	The role of nucleus accumbens core/shell in sleep-wake regulation and their involvement in modafinil-induced arousal. *PLoS ONE*, **2012**, 7, e45471	3.7	48
66	Red light at intensities above 10 lx alters sleep-wake behavior in mice. *Light: Science and Applications*, **2017**, 6, e16231	16.7	47
65	Striatal adenosine A receptor neurons control active-period sleep via parvalbumin neurons in external globus pallidus. *ELife*, **2017**, 6,	8.9	45

64	Honokiol promotes non-rapid eye movement sleep via the benzodiazepine site of the GABA(A) receptor in mice. *British Journal of Pharmacology*, **2012**, 167, 587-98	8.6	41
63	Dopamine is involved in food-anticipatory activity in mice. *Journal of Biological Rhythms*, **2012**, 27, 398-409	3.2	41
62	The rostromedial tegmental nucleus is essential for non-rapid eye movement sleep. *PLoS Biology*, **2018**, 16, e2002909	9.7	38
61	Morphine inhibits sleep-promoting neurons in the ventrolateral preoptic area via mu receptors and induces wakefulness in rats. *Neuropsychopharmacology*, **2013**, 38, 791-801	8.7	37
60	Magnolol, a major bioactive constituent of the bark of Magnolia officinalis, induces sleep via the benzodiazepine site of GABA(A) receptor in mice. *Neuropharmacology*, **2012**, 63, 1191-9	5.5	34
59	Projections of nucleus accumbens adenosine A2A receptor neurons in the mouse brain and their implications in mediating sleep-wake regulation. *Frontiers in Neuroanatomy*, **2013**, 7, 43	3.6	34
58	D(1)/D(2) receptor-targeting L-stepholidine, an active ingredient of the Chinese herb Stephonia, induces non-rapid eye movement sleep in mice. *Pharmacology Biochemistry and Behavior*, **2009**, 94, 16-23	3.9	34
57	Paeoniflorin exerts analgesic and hypnotic effects via adenosine A1 receptors in a mouse neuropathic pain model. *Psychopharmacology*, **2016**, 233, 281-93	4.7	30
56	Keeping the right time in space: importance of circadian clock and sleep for physiology and performance of astronauts. *Military Medical Research*, **2014**, 1, 23	19.3	30
55	Repeated sleep restriction in adolescent rats altered sleep patterns and impaired spatial learning/memory ability. *Sleep*, **2012**, 35, 849-59	1.1	29
54	Gelsemine alleviates both neuropathic pain and sleep disturbance in partial sciatic nerve ligation mice. *Acta Pharmacologica Sinica*, **2015**, 36, 1308-17	8	27
53	Piromelatine exerts antinociceptive effect via melatonin, opioid, and 5HT1A receptors and hypnotic effect via melatonin receptors in a mouse model of neuropathic pain. *Psychopharmacology*, **2014**, 231, 3973-85	4.7	27
52	Acute administration of fluoxetine normalizes rapid eye movement sleep abnormality, but not depressive behaviors in olfactory bulbectomized rats. *Journal of Neurochemistry*, **2012**, 120, 314-24	6	27
51	Dorsal Striatum Dopamine Levels Fluctuate Across the Sleep-Wake Cycle and Respond to Salient Stimuli in Mice. *Frontiers in Neuroscience*, **2019**, 13, 242	5.1	26
50	A mouse model mimicking human first night effect for the evaluation of hypnotics. *Pharmacology Biochemistry and Behavior*, **2014**, 116, 129-36	3.9	25
49	Safranal enhances non-rapid eye movement sleep in pentobarbital-treated mice. *CNS Neuroscience and Therapeutics*, **2012**, 18, 623-30	6.8	23
48	Antinociceptive and hypnotic activities of pregabalin in a neuropathic pain-like model in mice. *Pharmacology Biochemistry and Behavior*, **2015**, 135, 31-9	3.9	22
47	Activation of Parabrachial Nucleus Glutamatergic Neurons Accelerates Reanimation from Sevoflurane Anesthesia in Mice. *Anesthesiology*, **2019**, 130, 106-118	4.3	22

46	Selection of optimal epoch duration in assessment of rodent sleep–wake profiles. *Sleep and Biological Rhythms*, **2011**, 9, 46-55	1.3	21
45	The Mutual Interaction Between Sleep and Epilepsy on the Neurobiological Basis and Therapy. *Current Neuropharmacology*, **2018**, 16, 5-16	7.6	19
44	Adenosine A receptors in the olfactory bulb suppress rapid eye movement sleep in rodents. *Brain Structure and Function*, **2017**, 222, 1351-1366	4	19
43	Superior Colliculus GABAergic Neurons Are Essential for Acute Dark Induction of Wakefulness in Mice. *Current Biology*, **2019**, 29, 637-644.e3	6.3	18
42	Dopamine D and D receptors mediate analgesic and hypnotic effects of l-tetrahydropalmatine in a mouse neuropathic pain model. *Psychopharmacology*, **2019**, 236, 3169-3182	4.7	16
41	Adenosine A receptor deficiency attenuates the somnogenic effect of prostaglandin D in mice. *Acta Pharmacologica Sinica*, **2017**, 38, 469-476	8	15
40	Whole-Brain Monosynaptic Afferent Projections to the Cholecystokinin Neurons of the Suprachiasmatic Nucleus. *Frontiers in Neuroscience*, **2018**, 12, 807	5.1	15
39	Paeoniflorin Promotes Non-rapid Eye Movement Sleep via Adenosine A1 Receptors. *Journal of Pharmacology and Experimental Therapeutics*, **2016**, 356, 64-73	4.7	13
38	Doxepin and diphenhydramine increased non-rapid eye movement sleep through blockade of histamine H1 receptors. *Pharmacology Biochemistry and Behavior*, **2015**, 129, 56-64	3.9	13
37	Ventral pallidal GABAergic neurons control wakefulness associated with motivation through the ventral tegmental pathway. *Molecular Psychiatry*, **2021**, 26, 2912-2928	15.1	12
36	Whole-Brain Neural Connectivity to Lateral Pontine Tegmentum GABAergic Neurons in Mice. *Frontiers in Neuroscience*, **2019**, 13, 375	5.1	11
35	Glutamate Activates the Histaminergic Tuberomammillary Nucleus and Increases Wakefulness in Rats. *Neuroscience*, **2019**, 413, 86-98	3.9	10
34	Whole-Brain Monosynaptic Inputs to Hypoglossal Motor Neurons in Mice. *Neuroscience Bulletin*, **2020**, 36, 585-597	4.3	10
33	GABA transporter-1 inhibitor NO-711 alters the EEG power spectra and enhances non-rapid eye movement sleep during the active phase in mice. *European Neuropsychopharmacology*, **2014**, 24, 585-94	1.2	10
32	Sevoflurane depresses neurons in the medial parabrachial nucleus by potentiating postsynaptic GABA receptors and background potassium channels. *Neuropharmacology*, **2020**, 181, 108249	5.5	10
31	High cortical delta power correlates with aggravated allodynia by activating anterior cingulate cortex GABAergic neurons in neuropathic pain mice. *Pain*, **2020**, 161, 288-299	8	8
30	Nucleus accumbens neurons expressing dopamine D1 receptors modulate states of consciousness in sevoflurane anesthesia. *Current Biology*, **2021**, 31, 1893-1902.e5	6.3	8
29	Adenosine A receptor mediates hypnotic effects of ethanol in mice. *Scientific Reports*, **2017**, 7, 12678	4.9	7

28	Fasting activated histaminergic neurons and enhanced arousal effect of caffeine in mice. *Pharmacology Biochemistry and Behavior*, **2015**, 133, 164-73	3.9	7
27	Signaling mechanism underlying the histamine-modulated action of hypoglossal motoneurons. *Journal of Neurochemistry*, **2016**, 137, 277-86	6	7
26	Oral Delivered Dexmedetomidine Promotes and Consolidates Non-rapid Eye Movement Sleep via Sleep-Wake Regulation Systems in Mice. *Frontiers in Pharmacology*, **2018**, 9, 1196	5.6	7
25	Lesions of suprachiasmatic nucleus modify sleep structure but do not alter the total amount of daily sleep in rats. *Sleep and Biological Rhythms*, **2012**, 10, 293-301	1.3	6
24	Ablation of olfactory bulb glutamatergic neurons induces depressive-like behaviors and sleep disturbances in mice. *Psychopharmacology*, **2020**, 237, 2517-2530	4.7	6
23	Activation of adenosine A receptors in the olfactory tubercle promotes sleep in rodents. *Neuropharmacology*, **2020**, 168, 107923	5.5	6
22	Interleukin-1induces sleep independent of prostaglandin D in rats and mice. *Neuroscience*, **2017**, 340, 258-267	3.9	5
21	Drug delivery through a chronically implanted stomach catheter improves efficiency of evaluating wake-promoting components. *Journal of Neuroscience Methods*, **2008**, 175, 58-63	3	5
20	Dysfunctions of the paraventricular hypothalamic nucleus induce hypersomnia in mice. *ELife*, **2021**, 10,	8.9	5
19	Medial Parabrachial Nucleus Is Essential in Controlling Wakefulness in Rats. *Frontiers in Neuroscience*, **2021**, 15, 645877	5.1	5
18	Lesion of intergeniculate leaflet GABAergic neurons attenuates sleep in mice exposed to light. *Sleep*, **2020**, 43,	1.1	4
17	Ethanol inhibits histaminergic neurons in mouse tuberomammillary nucleus slices via potentiating GABAergic transmission onto the neurons at both pre- and postsynaptic sites. *Acta Pharmacologica Sinica*, **2016**, 37, 1325-1336	8	4
16	Neural circuitry underlying REM sleep: A review of the literature and current concepts. *Progress in Neurobiology*, **2021**, 204, 102106	10.9	4
15	Essential roles of GABA transporter-1 in controlling rapid eye movement sleep and in increased slow wave activity after sleep deprivation. *PLoS ONE*, **2013**, 8, e75823	3.7	3
14	Entire Frequency Domain Analysis of Rodent EEG and EMG Recordings Using Relative Thresholds. *Sleep and Vigilance*, **2017**, 1, 13-19	1.4	2
13	Hypnotic activities of Zao Ren An Shen capsule, a traditional Chinese medicine, in ananxiety-like mousemodel. *Sleep and Breathing*, **2021**, 25, 1613-1623	3.1	2
12	Control of wakefulness by lateral hypothalamic glutamatergic neurons in male mice. *Journal of Neuroscience Research*, **2021**, 99, 1689-1703	4.4	2
11	Whole-brain monosynaptic inputs and outputs of glutamatergic neurons of the vestibular nuclei complex in mice. *Hearing Research*, **2021**, 401, 108159	3.9	2

10	Melatonin supplementation in the subacute phase after ischemia alleviates postischemic sleep disturbances in rats. *Brain and Behavior*, **2021**, 11, e2366	3.4	2
9	Genistein induces non-rapid eye movement sleep in mice. *Sleep and Biological Rhythms*, **2012**, 10, 278-286	1.3	1
8	Molecular mechanism of prostaglandin D2-mediated non-REM sleep homeostasis studied by gene-knockout mice. *Sleep and Biological Rhythms*, **2004**, 2, S17-S18	1.3	1
7	The Rostromedial Tegmental Nucleus: Anatomical Studies and Roles in Sleep and Substance Addictions in Rats and Mice. *Nature and Science of Sleep*, **2020**, 12, 1215-1223	3.6	1
6	Presynaptic inputs to vasopressin neurons in the hypothalamic supraoptic nucleus and paraventricular nucleus in mice. *Experimental Neurology*, **2021**, 343, 113784	5.7	1
5	Saikosaponin a promotes sleep by decreasing neuronal activities in the lateral hypothalamus. *Journal of Sleep Research*, **2021**, e13484	5.8	1
4	Case Report: Dysfunction of the Paraventricular Hypothalamic Nucleus Area Induces Hypersomnia in Patients.. *Frontiers in Neuroscience*, **2022**, 16, 830474	5.1	1
3	Mesencephalic dopamine neurons are essential for modafinil-induced arousal. *British Journal of Pharmacology*, **2021**, 178, 4808-4825	8.6	0
2	The anxiolytic effects of Bai Le Mian capsule, a traditional Chinese hypnotic in mice. *Sleep and Biological Rhythms*, **2019**, 17, 191-201	1.3	
1	An Overview of Roles of the Basal Ganglia in Sleep-Wake Regulation **2020**, 9-15		