

# Jun Lu

## List of Publications by Citations

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54  
papers

8,701  
citations

31  
h-index

57  
g-index

57  
ext. papers

9,998  
ext. citations

8  
avg, IF

5.94  
L-index

#	Paper	IF	Citations
54	Hypothalamic regulation of sleep and circadian rhythms. <i>Nature</i> , <b>2005</b> , 437, 1257-63	50.4	1864
53	A putative flip-flop switch for control of REM sleep. <i>Nature</i> , <b>2006</b> , 441, 589-94	50.4	900
52	Sleep state switching. <i>Neuron</i> , <b>2010</b> , 68, 1023-42	13.9	897
51	The alpha2-adrenoceptor agonist dexmedetomidine converges on an endogenous sleep-promoting pathway to exert its sedative effects. <i>Anesthesiology</i> , <b>2003</b> , 98, 428-36	4.3	584
50	Effect of lesions of the ventrolateral preoptic nucleus on NREM and REM sleep. <i>Journal of Neuroscience</i> , <b>2000</b> , 20, 3830-42	6.6	481
49	Critical role of dorsomedial hypothalamic nucleus in a wide range of behavioral circadian rhythms. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 10691-702	6.6	415
48	Melanopsin in cells of origin of the retinohypothalamic tract. <i>Nature Neuroscience</i> , <b>2001</b> , 4, 1165	25.5	385
47	Afferents to the ventrolateral preoptic nucleus. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 977-90	6.6	382
46	Reassessment of the structural basis of the ascending arousal system. <i>Journal of Comparative Neurology</i> , <b>2011</b> , 519, 933-56	3.4	335
45	Identification of wake-active dopaminergic neurons in the ventral periaqueductal gray matter. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 193-202	6.6	332
44	Selective activation of the extended ventrolateral preoptic nucleus during rapid eye movement sleep. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 4568-76	6.6	242
43	The GABAergic parafacial zone is a medullary slow wave sleep-promoting center. <i>Nature Neuroscience</i> , <b>2014</b> , 17, 1217-24	25.5	191
42	Role of endogenous sleep-wake and analgesic systems in anesthesia. <i>Journal of Comparative Neurology</i> , <b>2008</b> , 508, 648-62	3.4	168
41	The pontine REM switch: past and present. <i>Journal of Physiology</i> , <b>2007</b> , 584, 735-41	3.9	153
40	Basal ganglia control of sleep-wake behavior and cortical activation. <i>European Journal of Neuroscience</i> , <b>2010</b> , 31, 499-507	3.5	126
39	Locus ceruleus and anterior cingulate cortex sustain wakefulness in a novel environment. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 14543-51	6.6	110
38	Brainstem and spinal cord circuitry regulating REM sleep and muscle atonia. <i>PLoS ONE</i> , <b>2011</b> , 6, e24998	3.7	99

37	How do the basal ganglia regulate sleep-wake behavior?. <i>Trends in Neurosciences</i> , <b>2012</b> , 35, 723-32	13.3	93
36	Medullary circuitry regulating rapid eye movement sleep and motor atonia. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 9361-9	6.6	82
35	Identification and characterization of a sleep-active cell group in the rostral medullary brainstem. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 17970-6	6.6	81
34	Basal Forebrain Cholinergic Neurons Primarily Contribute to Inhibition of Electroencephalogram Delta Activity, Rather Than Inducing Behavioral Wakefulness in Mice. <i>Neuropsychopharmacology</i> , <b>2016</b> , 41, 2133-46	8.7	76
33	Anatomical Location of the Mesencephalic Locomotor Region and Its Possible Role in Locomotion, Posture, Cataplexy, and Parkinsonism. <i>Frontiers in Neurology</i> , <b>2015</b> , 6, 140	4.1	58
32	Melanin-concentrating hormone neurons specifically promote rapid eye movement sleep in mice. <i>Neuroscience</i> , <b>2016</b> , 336, 102-113	3.9	55
31	Opioidergic projections to sleep-active neurons in the ventrolateral preoptic nucleus. <i>Brain Research</i> , <b>2008</b> , 1245, 96-107	3.7	53
30	Identification of a direct GABAergic pallidocortical pathway in rodents. <i>European Journal of Neuroscience</i> , <b>2015</b> , 41, 748-59	3.5	50
29	Nigrostriatal Dopamine Acting on Globus Pallidus Regulates Sleep. <i>Cerebral Cortex</i> , <b>2016</b> , 26, 1430-9	5.1	50
28	Role of Basal Ganglia in sleep-wake regulation: neural circuitry and clinical significance. <i>Frontiers in Neuroanatomy</i> , <b>2010</b> , 4, 145	3.6	47
27	Stimulation of the Pontine Parabrachial Nucleus Promotes Wakefulness via Extra-thalamic Forebrain Circuit Nodes. <i>Current Biology</i> , <b>2016</b> , 26, 2301-12	6.3	43
26	Metabolic effects of chronic sleep restriction in rats. <i>Sleep</i> , <b>2012</b> , 35, 1511-20	1.1	40
25	Sleep Circuitry and the Hypnotic Mechanism of GABAA Drugs. <i>Journal of Clinical Sleep Medicine</i> , <b>2006</b> , 02,	3.1	37
24	Ventromedial prefrontal cortex regulates depressive-like behavior and rapid eye movement sleep in the rat. <i>Neuropharmacology</i> , <b>2014</b> , 86, 125-32	5.5	33
23	Brainstem circuitry regulating phasic activation of trigeminal motoneurons during REM sleep. <i>PLoS ONE</i> , <b>2010</b> , 5, e8788	3.7	29
22	c-Fos expression in the cholinergic basal forebrain after enforced wakefulness and recovery sleep. <i>NeuroReport</i> , <b>2000</b> , 11, 437-40	1.7	28
21	Perspectives on the rapid eye movement sleep switch in rapid eye movement sleep behavior disorder. <i>Sleep Medicine</i> , <b>2013</b> , 14, 707-13	4.6	24
20	Ventral medullary control of rapid eye movement sleep and atonia. <i>Experimental Neurology</i> , <b>2017</b> , 290, 53-62	5.7	17

19	Unimodal regularized neuron stick-breaking for ordinal classification. <i>Neurocomputing</i> , <b>2020</b> , 388, 34-44	5.4	16
18	Anterior Insula Regulates Multiscale Temporal Organization of Sleep and Wake Activity. <i>Journal of Biological Rhythms</i> , <b>2016</b> , 31, 182-93	3.2	14
17	Effect of antidepressant drugs on the vmPFC-limbic circuitry. <i>Neuropharmacology</i> , <b>2015</b> , 92, 116-24	5.5	14
16	Targeted disruption of supraspinal motor circuitry reveals a distributed network underlying Restless Legs Syndrome (RLS)-like movements in the rat. <i>Scientific Reports</i> , <b>2017</b> , 7, 9905	4.9	12
15	Rapid eye movement sleep behavior disorder. <i>Current Opinion in Neurobiology</i> , <b>2013</b> , 23, 793-8	7.6	11
14	Neuronal activity (c-Fos) delineating interactions of the cerebral cortex and basal ganglia. <i>Frontiers in Neuroanatomy</i> , <b>2014</b> , 8, 13	3.6	10
13	From bench to bed: putative animal models of REM sleep behavior disorder (RBD). <i>Journal of Neural Transmission</i> , <b>2013</b> , 120, 683-8	4.3	6
12	Nigrostriatal and mesolimbic control of sleep-wake behavior in rat. <i>Brain Structure and Function</i> , <b>2019</b> , 224, 2525-2535	4	5
11	Medial Parabrachial Nucleus Is Essential in Controlling Wakefulness in Rats. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 645877	5.1	5
10	Recursively Conditional Gaussian for Ordinal Unsupervised Domain Adaptation <b>2021</b> ,		5
9	Identification of Cholinergic Pallidocortical Neurons. <i>CNS Neuroscience and Therapeutics</i> , <b>2016</b> , 22, 863-56.8		4
8	Identity-aware Facial Expression Recognition in Compressed Video <b>2021</b> ,		4
7	Energy-constrained Self-training for Unsupervised Domain Adaptation <b>2021</b> ,		4
6	Glial Gap Junctions Boost Modafinil Action on Arousal. <i>Sleep</i> , <b>2016</b> , 39, 1175-7	1.1	3
5	A Layered Control Architecture of Sleep and Arousal. <i>Frontiers in Computational Neuroscience</i> , <b>2020</b> , 14, 8	3.5	2
4	Neural Circuitry Regulating REM Sleep and Its Implication in REM Sleep Behavior Disorder <b>2019</b> , 559-577		2
3	Neuronal Mechanisms of REM Sleep and their Role in REM Sleep Behavior Disorder <b>2011</b> , 240-245		1
2	Slow wave synchronization and sleep state transitions.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7467	4.9	0

- 1 Roles of motor and cortical activity in sleep rebound in rat. *European Journal of Neuroscience*, **2020**, 52, 4100-4114 3.5