

# Jun Lu

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

10,845  
citations

136950

32  
h-index

182427

51  
g-index

57  
all docs

57  
docs citations

57  
times ranked

7985  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypothalamic regulation of sleep and circadian rhythms. <i>Nature</i> , 2005, 437, 1257-1263.	27.8	2,285
2	Sleep State Switching. <i>Neuron</i> , 2010, 68, 1023-1042.	8.1	1,141
3	A putative flip-flop switch for control of REM sleep. <i>Nature</i> , 2006, 441, 589-594.	27.8	1,086
4	The $\beta_2$ -Adrenoceptor Agonist Dexmedetomidine Converges on an Endogenous Sleep-promoting Pathway to Exert Its Sedative Effects. <i>Anesthesiology</i> , 2003, 98, 428-436.	2.5	738
5	Effect of Lesions of the Ventrolateral Preoptic Nucleus on NREM and REM Sleep. <i>Journal of Neuroscience</i> , 2000, 20, 3830-3842.	3.6	563
6	Critical Role of Dorsomedial Hypothalamic Nucleus in a Wide Range of Behavioral Circadian Rhythms. <i>Journal of Neuroscience</i> , 2003, 23, 10691-10702.	3.6	482
7	Melanopsin in cells of origin of the retinohypothalamic tract. <i>Nature Neuroscience</i> , 2001, 4, 1165-1165.	14.8	467
8	Afferents to the Ventrolateral Preoptic Nucleus. <i>Journal of Neuroscience</i> , 2002, 22, 977-990.	3.6	439
9	Reassessment of the structural basis of the ascending arousal system. <i>Journal of Comparative Neurology</i> , 2011, 519, 933-956.	1.6	427
10	Identification of Wake-Active Dopaminergic Neurons in the Ventral Periaqueductal Gray Matter. <i>Journal of Neuroscience</i> , 2006, 26, 193-202.	3.6	399
11	Selective Activation of the Extended Ventrolateral Preoptic Nucleus during Rapid Eye Movement Sleep. <i>Journal of Neuroscience</i> , 2002, 22, 4568-4576.	3.6	287
12	The GABAergic parafacial zone is a medullary slow wave sleep-promoting center. <i>Nature Neuroscience</i> , 2014, 17, 1217-1224.	14.8	245
13	Role of endogenous sleep-wake and analgesic systems in anesthesia. <i>Journal of Comparative Neurology</i> , 2008, 508, 648-662.	1.6	207
14	The pontine REM switch: past and present. <i>Journal of Physiology</i> , 2007, 584, 735-741.	2.9	188
15	Basal ganglia control of sleep-wake behavior and cortical activation. <i>European Journal of Neuroscience</i> , 2010, 31, 499-507.	2.6	174
16	Locus Ceruleus and Anterior Cingulate Cortex Sustain Wakefulness in a Novel Environment. <i>Journal of Neuroscience</i> , 2010, 30, 14543-14551.	3.6	141
17	Brainstem and Spinal Cord Circuitry Regulating REM Sleep and Muscle Atonia. <i>PLoS ONE</i> , 2011, 6, e24998.	2.5	127
18	How do the basal ganglia regulate sleep-wake behavior?. <i>Trends in Neurosciences</i> , 2012, 35, 723-732.	8.6	124

#	ARTICLE	IF	CITATIONS
19	Basal Forebrain Cholinergic Neurons Primarily Contribute to Inhibition of Electroencephalogram Delta Activity, Rather Than Inducing Behavioral Wakefulness in Mice. <i>Neuropsychopharmacology</i> , 2016, 41, 2133-2146.	5.4	104
20	Identification and Characterization of a Sleep-Active Cell Group in the Rostral Medullary Brainstem. <i>Journal of Neuroscience</i> , 2012, 32, 17970-17976.	3.6	102
21	Medullary Circuitry Regulating Rapid Eye Movement Sleep and Motor Atonia. <i>Journal of Neuroscience</i> , 2009, 29, 9361-9369.	3.6	96
22	Melanin-concentrating hormone neurons specifically promote rapid eye movement sleep in mice. <i>Neuroscience</i> , 2016, 336, 102-113.	2.3	80
23	Stimulation of the Pontine Parabrachial Nucleus Promotes Wakefulness via Extra-thalamic Forebrain Circuit Nodes. <i>Current Biology</i> , 2016, 26, 2301-2312.	3.9	77
24	Anatomical Location of the Mesencephalic Locomotor Region and Its Possible Role in Locomotion, Posture, Cataplexy, and Parkinsonism. <i>Frontiers in Neurology</i> , 2015, 6, 140.	2.4	69
25	Nigrostriatal Dopamine Acting on Globus Pallidus Regulates Sleep. <i>Cerebral Cortex</i> , 2016, 26, 1430-1439.	2.9	69
26	Role of Basal Ganglia in Sleep-Wake Regulation: Neural Circuitry and Clinical Significance. <i>Frontiers in Neuroanatomy</i> , 2010, 4, 145.	1.7	68
27	Identification of a direct GABAergic pallidocortical pathway in rodents. <i>European Journal of Neuroscience</i> , 2015, 41, 748-759.	2.6	66
28	Opioidergic projections to sleep-active neurons in the ventrolateral preoptic nucleus. <i>Brain Research</i> , 2008, 1245, 96-107.	2.2	65
29	Sleep Circuitry and the Hypnotic Mechanism of GABAergic Drugs. <i>Journal of Clinical Sleep Medicine</i> , 2006, 02, .	2.6	51
30	Metabolic Effects of Chronic Sleep Restriction in Rats. <i>Sleep</i> , 2012, 35, 1511-1520.	1.1	49
31	Ventromedial prefrontal cortex regulates depressive-like behavior and rapid eye movement sleep in the rat. <i>Neuropharmacology</i> , 2014, 86, 125-132.	4.1	47
32	Brainstem Circuitry Regulating Phasic Activation of Trigeminal Motoneurons during REM Sleep. <i>PLoS ONE</i> , 2010, 5, e8788.	2.5	36
33	Perspectives on the rapid eye movement sleep switch in rapid eye movement sleep behavior disorder. <i>Sleep Medicine</i> , 2013, 14, 707-713.	1.6	30
34	c-Fos expression in the cholinergic basal forebrain after enforced wakefulness and recovery sleep. <i>NeuroReport</i> , 2000, 11, 437-440.	1.2	29
35	Unimodal regularized neuron stick-breaking for ordinal classification. <i>Neurocomputing</i> , 2020, 388, 34-44.	5.9	29
36	Anterior Insula Regulates Multiscale Temporal Organization of Sleep and Wake Activity. <i>Journal of Biological Rhythms</i> , 2016, 31, 182-193.	2.6	26

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37	Medial Parabrachial Nucleus Is Essential in Controlling Wakefulness in Rats. <i>Frontiers in Neuroscience</i> , 2021, 15, 645877.	2.8	26
38	Ventral medullary control of rapid eye movement sleep and atonia. <i>Experimental Neurology</i> , 2017, 290, 53-62.	4.1	23
39	Effect of antidepressant drugs on the vmPFC-limbic circuitry. <i>Neuropharmacology</i> , 2015, 92, 116-124.	4.1	21
40	Targeted disruption of supraspinal motor circuitry reveals a distributed network underlying Restless Legs Syndrome (RLS)-like movements in the rat. <i>Scientific Reports</i> , 2017, 7, 9905.	3.3	17
41	Neuronal activity (c-Fos) delineating interactions of the cerebral cortex and basal ganglia. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 13.	1.7	16
42	Recursively Conditional Gaussian for Ordinal Unsupervised Domain Adaptation. , 2021, , .		16
43	Rapid eye movement sleep behavior disorder. <i>Current Opinion in Neurobiology</i> , 2013, 23, 793-798.	4.2	14
44	Identity-aware Facial Expression Recognition in Compressed Video. , 2021, , .		14
45	Energy-constrained Self-training for Unsupervised Domain Adaptation. , 2021, , .		13
46	Nigrostriatal and mesolimbic control of sleep-wake behavior in rat. <i>Brain Structure and Function</i> , 2019, 224, 2525-2535.	2.3	10
47	From bench to bed: putative animal models of REM sleep behavior disorder (RBD). <i>Journal of Neural Transmission</i> , 2013, 120, 683-688.	2.8	7
48	Editorial: Mental Disorders Associated With Neurological Diseases. <i>Frontiers in Psychiatry</i> , 2020, 11, 196.	2.6	6
49	A Layered Control Architecture of Sleep and Arousal. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 8.	2.1	6
50	Slow wave synchronization and sleep state transitions. <i>Scientific Reports</i> , 2022, 12, 7467.	3.3	6
51	Identification of Cholinergic Pallidocortical Neurons. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 863-865.	3.9	4
52	Neural Circuitry Regulating REM Sleep and Its Implication in REM Sleep Behavior Disorder. , 2019, , 559-577.		4
53	Glial Gap Junctions Boost Modafinil Action on Arousal. <i>Sleep</i> , 2016, 39, 1175-1177.	1.1	3
54	Ordinal Unsupervised Domain Adaptation With Recursively Conditional Gaussian Imposed Variational Disentanglement. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2024, , 1-14.	13.9	2

#	ARTICLE	IF	CITATIONS
55	Roles of motor and cortical activity in sleep rebound in rat. European Journal of Neuroscience, 2020, 52, 4100-4114.	2.6	1