

Patrick M Fuller

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

5,553
citations

36
h-index

74
g-index

90
ext. papers

6,842
ext. citations

8.2
avg, IF

5.99
L-index

#	Paper	IF	Citations
75	Sleep state switching. <i>Neuron</i> , 2010 , 68, 1023-42	13.9	897
74	Neurobiology of the sleep-wake cycle: sleep architecture, circadian regulation, and regulatory feedback. <i>Journal of Biological Rhythms</i> , 2006 , 21, 482-93	3.2	342
73	Reassessment of the structural basis of the ascending arousal system. <i>Journal of Comparative Neurology</i> , 2011 , 519, 933-56	3.4	335
72	The sleep-wake cycle regulates brain interstitial fluid tau in mice and CSF tau in humans. <i>Science</i> , 2019 , 363, 880-884	33.3	248
71	Differential rescue of light- and food-entrainable circadian rhythms. <i>Science</i> , 2008 , 320, 1074-7	33.3	206
70	The GABAergic parafacial zone is a medullary slow wave sleep-promoting center. <i>Nature Neuroscience</i> , 2014 , 17, 1217-24	25.5	191
69	Wake-sleep circuitry: an overview. <i>Current Opinion in Neurobiology</i> , 2017 , 44, 186-192	7.6	185
68	GABAergic RIP-Cre neurons in the arcuate nucleus selectively regulate energy expenditure. <i>Cell</i> , 2012 , 151, 645-57	56.2	164
67	Basal forebrain control of wakefulness and cortical rhythms. <i>Nature Communications</i> , 2015 , 6, 8744	17.4	162
66	Glutamatergic signaling from the parabrachial nucleus plays a critical role in hypercapnic arousal. <i>Journal of Neuroscience</i> , 2013 , 33, 7627-40	6.6	153
65	The pontine REM switch: past and present. <i>Journal of Physiology</i> , 2007 , 584, 735-41	3.9	153
64	Medial amygdalar aromatase neurons regulate aggression in both sexes. <i>Cell Reports</i> , 2015 , 10, 453-62	10.6	145
63	MC4R-expressing glutamatergic neurons in the paraventricular hypothalamus regulate feeding and are synaptically connected to the parabrachial nucleus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13193-8	11.5	136
62	The Biology of REM Sleep. <i>Current Biology</i> , 2017 , 27, R1237-R1248	6.3	126
61	Basal ganglia control of sleep-wake behavior and cortical activation. <i>European Journal of Neuroscience</i> , 2010 , 31, 499-507	3.5	126
60	Locus ceruleus and anterior cingulate cortex sustain wakefulness in a novel environment. <i>Journal of Neuroscience</i> , 2010 , 30, 14543-51	6.6	110
59	A Novel Population of Wake-Promoting GABAergic Neurons in the Ventral Lateral Hypothalamus. <i>Current Biology</i> , 2016 , 26, 2137-43	6.3	104

58	Cholinergic, Glutamatergic, and GABAergic Neurons of the Pedunculopontine Tegmental Nucleus Have Distinct Effects on Sleep/Wake Behavior in Mice. <i>Journal of Neuroscience</i> , 2017 , 37, 1352-1366	6.6	99
57	Brainstem and spinal cord circuitry regulating REM sleep and muscle atonia. <i>PLoS ONE</i> , 2011 , 6, e24998	3.7	99
56	Neurovestibular modulation of circadian and homeostatic regulation: vestibulohypothalamic connection?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 15723-8	11.5	83
55	Medullary circuitry regulating rapid eye movement sleep and motor atonia. <i>Journal of Neuroscience</i> , 2009 , 29, 9361-9	6.6	82
54	AVP neurons in the paraventricular nucleus of the hypothalamus regulate feeding. <i>Molecular Metabolism</i> , 2014 , 3, 209-15	8.8	81
53	Identification and characterization of a sleep-active cell group in the rostral medullary brainstem. <i>Journal of Neuroscience</i> , 2012 , 32, 17970-6	6.6	81
52	Supramammillary glutamate neurons are a key node of the arousal system. <i>Nature Communications</i> , 2017 , 8, 1405	17.4	79
51	A hypothalamic circuit for the circadian control of aggression. <i>Nature Neuroscience</i> , 2018 , 21, 717-724	25.5	77
50	A Genetically Defined Circuit for Arousal from Sleep during Hypercapnia. <i>Neuron</i> , 2017 , 96, 1153-1167.e53.9	13.9	72
49	Role of the medial prefrontal cortex in cataplexy. <i>Journal of Neuroscience</i> , 2013 , 33, 9743-51	6.6	68
48	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	4.1	58
47	Insulin-independent pathways mediating glucose uptake in hindlimb-suspended skeletal muscle. <i>Journal of Applied Physiology</i> , 2005 , 99, 2181-8	3.7	55
46	To eat or to sleep: That is a lateral hypothalamic question. <i>Neuropharmacology</i> , 2019 , 154, 34-49	5.5	55
45	Opioidergic projections to sleep-active neurons in the ventrolateral preoptic nucleus. <i>Brain Research</i> , 2008 , 1245, 96-107	3.7	53
44	Identification of a direct GABAergic pallidocortical pathway in rodents. <i>European Journal of Neuroscience</i> , 2015 , 41, 748-59	3.5	50
43	Targeted genetic manipulations of neuronal subtypes using promoter-specific combinatorial AAVs in wild-type animals. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 152	3.5	49
42	Stimulation of the Pontine Parabrachial Nucleus Promotes Wakefulness via Extra-thalamic Forebrain Circuit Nodes. <i>Current Biology</i> , 2016 , 26, 2301-12	6.3	43
41	The anatomical, cellular and synaptic basis of motor atonia during rapid eye movement sleep. <i>Journal of Physiology</i> , 2016 , 594, 5391-414	3.9	42

40	Metabolic effects of chronic sleep restriction in rats. <i>Sleep</i> , 2012 , 35, 1511-20	1.1	40
39	Brainstem circuitry regulating phasic activation of trigeminal motoneurons during REM sleep. <i>PLoS ONE</i> , 2010 , 5, e8788	3.7	29
38	A Glutamatergic Hypothalamomedullary Circuit Mediates Thermogenesis, but Not Heat Conservation, during Stress-Induced Hyperthermia. <i>Current Biology</i> , 2018 , 28, 2291-2301.e5	6.3	28
37	Suprachiasmatic VIP neurons are required for normal circadian rhythmicity and comprised of molecularly distinct subpopulations. <i>Nature Communications</i> , 2020 , 11, 4410	17.4	28
36	Neuroscience: A Distributed Neural Network Controls REM Sleep. <i>Current Biology</i> , 2016 , 26, R34-5	6.3	27
35	Carbon Monoxide Preserves Circadian Rhythm to Reduce the Severity of Subarachnoid Hemorrhage in Mice. <i>Stroke</i> , 2017 , 48, 2565-2573	6.7	26
34	Genetic evidence for a neurovestibular influence on the mammalian circadian pacemaker. <i>Journal of Biological Rhythms</i> , 2006 , 21, 177-84	3.2	26
33	Neurotensin Receptor-1 Identifies a Subset of Ventral Tegmental Dopamine Neurons that Coordinates Energy Balance. <i>Cell Reports</i> , 2017 , 20, 1881-1892	10.6	25
32	Brainstem regulation of slow-wave-sleep. <i>Current Opinion in Neurobiology</i> , 2017 , 44, 139-143	7.6	24
31	Toll mediated infection response is altered by gravity and spaceflight in <i>Drosophila</i> . <i>PLoS ONE</i> , 2014 , 9, e86485	3.7	23
30	Impaired circadian photosensitivity in mice lacking glutamate transmission from retinal melanopsin cells. <i>Journal of Biological Rhythms</i> , 2015 , 30, 35-41	3.2	19
29	Immunotoxin-induced ablation of melanopsin retinal ganglion cells in a non-murine mammalian model. <i>Journal of Comparative Neurology</i> , 2009 , 516, 125-40	3.4	19
28	An Inhibitory Lateral Hypothalamic-Preoptic Circuit Mediates Rapid Arousals from Sleep. <i>Current Biology</i> , 2019 , 29, 4155-4168.e5	6.3	19
27	Ventral medullary control of rapid eye movement sleep and atonia. <i>Experimental Neurology</i> , 2017 , 290, 53-62	5.7	17
26	Parallel and divergent adaptations of rat soleus and plantaris to chronic exercise and hypergravity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 290, R442-8	3.2	17
25	Carbon Monoxide: from Poison to Clinical Trials. <i>Trends in Pharmacological Sciences</i> , 2021 , 42, 329-339	13.2	17
24	Genetic Activation, Inactivation, and Deletion Reveal a Limited And Nuanced Role for Somatostatin-Containing Basal Forebrain Neurons in Behavioral State Control. <i>Journal of Neuroscience</i> , 2018 , 38, 5168-5181	6.6	15
23	Lateral Hypothalamic Area Neurotensin Neurons Are Required for Control of Orexin Neurons and Energy Balance. <i>Endocrinology</i> , 2018 , 159, 3158-3176	4.8	14

22	Reassessing the Role of Histaminergic Tuberomammillary Neurons in Arousal Control. <i>Journal of Neuroscience</i> , 2019 , 39, 8929-8939	6.6	14
21	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	4.9	12
20	Role of serotonergic dorsal raphe neurons in hypercapnia-induced arousals. <i>Nature Communications</i> , 2020 , 11, 2769	17.4	11
19	Activation of the GABAergic Parafacial Zone Maintains Sleep and Counteracts the Wake-Promoting Action of the Psychostimulants Armodafinil and Caffeine. <i>Neuropsychopharmacology</i> , 2018 , 43, 415-425	8.7	10
18	Standards of evidence in chronobiology: A response. <i>Journal of Circadian Rhythms</i> , 2009 , 7, 9	2.5	9
17	Selective activation of serotonergic dorsal raphe neurons facilitates sleep through anxiolysis. <i>Sleep</i> , 2020 , 43,	1.1	9
16	Catecholaminergic A1/C1 neurons contribute to the maintenance of upper airway muscle tone but may not participate in NREM sleep-related depression of these muscles. <i>Respiratory Physiology and Neurobiology</i> , 2017 , 244, 41-50	2.8	8
15	How genetically engineered systems are helping to define, and in some cases redefine, the neurobiological basis of sleep and wake. <i>Temperature</i> , 2015 , 2, 406-17	5.2	8
14	Armodafinil-induced wakefulness in animals with ventrolateral preoptic lesions. <i>Nature and Science of Sleep</i> , 2014 , 6, 57-63	3.6	8
13	Hippocampal corticotropin-releasing hormone neurons support recognition memory and modulate hippocampal excitability. <i>PLoS ONE</i> , 2018 , 13, e0191363	3.7	8
12	Acute inhibition of a cortical motor area impairs vocal control in singing zebra finches. <i>European Journal of Neuroscience</i> , 2015 , 41, 97-108	3.5	7
11	The Circuit, Cellular, and Synaptic Bases of Sleep-Wake Regulation. <i>Handbook of Behavioral Neuroscience</i> , 2019 , 65-88	0.7	2
10	Study protocol for a randomised controlled trial evaluating the effects of the orexin receptor antagonist suvorexant on sleep architecture and delirium in the intensive care unit. <i>BMJ Open</i> , 2020 , 10, e038474	3	2
9	An Overview of Sleep: Physiology and Neuroanatomy 2012 , 43-61		1
8	Hypothalamic Pomc Neurons Innervate the Spinal Cord and Modulate the Excitability of Premotor Circuits. <i>Current Biology</i> , 2020 , 30, 4579-4593.e7	6.3	0
7	Depleting hypothalamic somatostatinergic neurons recapitulates diabetic phenotypes in mouse brain, bone marrow, adipose and retina. <i>Diabetologia</i> , 2021 , 64, 2575-2588	10.3	0
6	Addicted to dreaming.. <i>Science</i> , 2022 , 375, 972-973	33.3	0
5	Genetic dissection of neural circuitry regulating behavioral state using conditional transgenics. <i>Sleep and Biological Rhythms</i> , 2011 , 9, 78-83	1.3	

4	Identifying Brain Networks Controlling Micturition and Continence in Mouse <i>FASEB Journal</i> , 2018 , 32, 734.3	0.9
3	Hepatic proteome analysis in mice following 90 days of spaceflight. <i>FASEB Journal</i> , 2013 , 27, lb745	0.9
2	026 Vasoactive Intestinal Polypeptide Directly Excites Neurons of the Subparaventricular Zone. <i>Sleep</i> , 2021 , 44, A12-A12	1.1
1	074 Basal Forebrain GABAergic Neurons Promote Arousal by Disinhibiting the Orexin Neurons via Local GABAergic Interneurons. <i>Sleep</i> , 2021 , 44, A31-A31	1.1