Patrick M Fuller

List of Publications by Year in Descending Order

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	Addicted to dreaming.. *Science*, **2022**, 375, 972-973	33.3	0
74	026 Vasoactive Intestinal Polypeptide Directly Excites Neurons of the Subparaventricular Zone. *Sleep*, **2021**, 44, A12-A12	1.1	
73	074 Basal Forebrain GABAergic Neurons Promote Arousal by Disinhibiting the Orexin Neurons via Local GABAergic Interneurons. *Sleep*, **2021**, 44, A31-A31	1.1	
72	Carbon Monoxide: from Poison to Clinical Trials. *Trends in Pharmacological Sciences*, **2021**, 42, 329-339	13.2	17
71	Depleting hypothalamic somatostatinergic neurons recapitulates diabetic phenotypes in mouse brain, bone marrow, adipose and retina. *Diabetologia*, **2021**, 64, 2575-2588	10.3	0
70	Role of serotonergic dorsal raphe neurons in hypercapnia-induced arousals. *Nature Communications* , **2020**, 11, 2769	17.4	11
69	Hypothalamic Pomc Neurons Innervate the Spinal Cord and Modulate the Excitability of Premotor Circuits. *Current Biology*, **2020**, 30, 4579-4593.e7	6.3	0
68	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. *BMJ Open*, **2020**, 10, e038474	3	2
67	Suprachiasmatic VIP neurons are required for normal circadian rhythmicity and comprised of molecularly distinct subpopulations. *Nature Communications*, **2020**, 11, 4410	17.4	28
66	Selective activation of serotoninergic dorsal raphe neurons facilitates sleep through anxiolysis. *Sleep*, **2020**, 43,	1.1	9
65	The sleep-wake cycle regulates brain interstitial fluid tau in mice and CSF tau in humans. *Science*, **2019**, 363, 880-884	33.3	248
64	The Circuit, Cellular, and Synaptic Bases of Sleep-Wake Regulation. *Handbook of Behavioral Neuroscience*, **2019**, 65-88	0.7	2
63	Reassessing the Role of Histaminergic Tuberomammillary Neurons in Arousal Control. *Journal of Neuroscience*, **2019**, 39, 8929-8939	6.6	14
62	An Inhibitory Lateral Hypothalamic-Preoptic Circuit Mediates Rapid Arousals from Sleep. *Current Biology*, **2019**, 29, 4155-4168.e5	6.3	19
61	To eat or to sleep: That is a lateral hypothalamic question. *Neuropharmacology*, **2019**, 154, 34-49	5.5	55
60	A hypothalamic circuit for the circadian control of aggression. *Nature Neuroscience*, **2018**, 21, 717-724	25.5	77
59	Activation of the GABAergic Parafacial Zone Maintains Sleep and Counteracts the Wake-Promoting Action of the Psychostimulants Armodafinil and Caffeine. *Neuropsychopharmacology*, **2018**, 43, 415-425	8.7	10

58	A Glutamatergic Hypothalamomedullary Circuit Mediates Thermogenesis, but Not Heat Conservation, during Stress-Induced Hyperthermia. *Current Biology*, **2018**, 28, 2291-2301.e5	6.3	28
57	Genetic Activation, Inactivation, and Deletion Reveal a Limited And Nuanced Role for Somatostatin-Containing Basal Forebrain Neurons in Behavioral State Control. *Journal of Neuroscience*, **2018**, 38, 5168-5181	6.6	15
56	Lateral Hypothalamic Area Neurotensin Neurons Are Required for Control of Orexin Neurons and Energy Balance. *Endocrinology*, **2018**, 159, 3158-3176	4.8	14
55	Hippocampal corticotropin-releasing hormone neurons support recognition memory and modulate hippocampal excitability. *PLoS ONE*, **2018**, 13, e0191363	3.7	8
54	Identifying Brain Networks Controlling Micturition and Continence in Mouse. *FASEB Journal*, **2018**, 32, 734.3	0.9	
53	Ventral medullary control of rapid eye movement sleep and atonia. *Experimental Neurology*, **2017**, 290, 53-62	5.7	17
52	Brainstem regulation of slow-wave-sleep. *Current Opinion in Neurobiology*, **2017**, 44, 139-143	7.6	24
51	Wake-sleep circuitry: an overview. *Current Opinion in Neurobiology*, **2017**, 44, 186-192	7.6	185
50	Cholinergic, Glutamatergic, and GABAergic Neurons of the Pedunculopontine Tegmental Nucleus Have Distinct Effects on Sleep/Wake Behavior in Mice. *Journal of Neuroscience*, **2017**, 37, 1352-1366	6.6	99
49	A Genetically Defined Circuit for Arousal from Sleep during Hypercapnia. *Neuron*, **2017**, 96, 1153-1167.e5	13.9	72
48	Neurotensin Receptor-1 Identifies a Subset of Ventral Tegmental Dopamine Neurons that Coordinates Energy Balance. *Cell Reports*, **2017**, 20, 1881-1892	10.6	25
47	Targeted disruption of supraspinal motor circuitry reveals a distributed network underlying Restless Legs Syndrome (RLS)-like movements in the rat. *Scientific Reports*, **2017**, 7, 9905	4.9	12
46	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. *Respiratory Physiology and Neurobiology*, **2017**, 244, 41-50	2.8	8
45	Carbon Monoxide Preserves Circadian Rhythm to Reduce the Severity of Subarachnoid Hemorrhage in Mice. *Stroke*, **2017**, 48, 2565-2573	6.7	26
44	The Biology of REM Sleep. *Current Biology*, **2017**, 27, R1237-R1248	6.3	126
43	Supramammillary glutamate neurons are a key node of the arousal system. *Nature Communications*, **2017**, 8, 1405	17.4	79
42	Stimulation of the Pontine Parabrachial Nucleus Promotes Wakefulness via Extra-thalamic Forebrain Circuit Nodes. *Current Biology*, **2016**, 26, 2301-12	6.3	43
41	Neuroscience: A Distributed Neural Network Controls REM Sleep. *Current Biology*, **2016**, 26, R34-5	6.3	27

40	The anatomical, cellular and synaptic basis of motor atonia during rapid eye movement sleep. *Journal of Physiology*, **2016**, 594, 5391-414	3.9	42
39	A Novel Population of Wake-Promoting GABAergic Neurons in the Ventral Lateral Hypothalamus. *Current Biology*, **2016**, 26, 2137-43	6.3	104
38	Impaired circadian photosensitivity in mice lacking glutamate transmission from retinal melanopsin cells. *Journal of Biological Rhythms*, **2015**, 30, 35-41	3.2	19
37	Identification of a direct GABAergic pallidocortical pathway in rodents. *European Journal of Neuroscience*, **2015**, 41, 748-59	3.5	50
36	Acute inhibition of a cortical motor area impairs vocal control in singing zebra finches. *European Journal of Neuroscience*, **2015**, 41, 97-108	3.5	7
35	Basal forebrain control of wakefulness and cortical rhythms. *Nature Communications*, **2015**, 6, 8744	17.4	162
34	Targeted genetic manipulations of neuronal subtypes using promoter-specific combinatorial AAVs in wild-type animals. *Frontiers in Behavioral Neuroscience*, **2015**, 9, 152	3.5	49
33	Anatomical Location of the Mesencephalic Locomotor Region and Its Possible Role in Locomotion, Posture, Cataplexy, and Parkinsonism. *Frontiers in Neurology*, **2015**, 6, 140	4.1	58
32	How genetically engineered systems are helping to define, and in some cases redefine, the neurobiological basis of sleep and wake. *Temperature*, **2015**, 2, 406-17	5.2	8
31	Medial amygdalar aromatase neurons regulate aggression in both sexes. *Cell Reports*, **2015**, 10, 453-62	10.6	145
30	MC4R-expressing glutamatergic neurons in the paraventricular hypothalamus regulate feeding and are synaptically connected to the parabrachial nucleus. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 13193-8	11.5	136
29	The GABAergic parafacial zone is a medullary slow wave sleep-promoting center. *Nature Neuroscience*, **2014**, 17, 1217-24	25.5	191
28	AVP neurons in the paraventricular nucleus of the hypothalamus regulate feeding. *Molecular Metabolism*, **2014**, 3, 209-15	8.8	81
27	Toll mediated infection response is altered by gravity and spaceflight in Drosophila. *PLoS ONE*, **2014**, 9, e86485	3.7	23
26	Armodafinil-induced wakefulness in animals with ventrolateral preoptic lesions. *Nature and Science of Sleep*, **2014**, 6, 57-63	3.6	8
25	Glutamatergic signaling from the parabrachial nucleus plays a critical role in hypercapnic arousal. *Journal of Neuroscience*, **2013**, 33, 7627-40	6.6	153
24	Role of the medial prefrontal cortex in cataplexy. *Journal of Neuroscience*, **2013**, 33, 9743-51	6.6	68
23	Hepatic proteome analysis in mice following 90 days of spaceflight. *FASEB Journal*, **2013**, 27, lb745	0.9	

22	GABAergic RIP-Cre neurons in the arcuate nucleus selectively regulate energy expenditure. *Cell*, **2012**, 151, 645-57	56.2	164
21	Identification and characterization of a sleep-active cell group in the rostral medullary brainstem. *Journal of Neuroscience*, **2012**, 32, 17970-6	6.6	81
20	An Overview of Sleep: Physiology and Neuroanatomy **2012**, 43-61		1
19	Metabolic effects of chronic sleep restriction in rats. *Sleep*, **2012**, 35, 1511-20	1.1	40
18	Genetic dissection of neural circuitry regulating behavioral state using conditional transgenics. *Sleep and Biological Rhythms*, **2011**, 9, 78-83	1.3	
17	Reassessment of the structural basis of the ascending arousal system. *Journal of Comparative Neurology*, **2011**, 519, 933-56	3.4	335
16	Brainstem and spinal cord circuitry regulating REM sleep and muscle atonia. *PLoS ONE*, **2011**, 6, e24998	3.7	99
15	Basal ganglia control of sleep-wake behavior and cortical activation. *European Journal of Neuroscience*, **2010**, 31, 499-507	3.5	126
14	Locus ceruleus and anterior cingulate cortex sustain wakefulness in a novel environment. *Journal of Neuroscience*, **2010**, 30, 14543-51	6.6	110
13	Sleep state switching. *Neuron*, **2010**, 68, 1023-42	13.9	897
12	Brainstem circuitry regulating phasic activation of trigeminal motoneurons during REM sleep. *PLoS ONE*, **2010**, 5, e8788	3.7	29
11	Standards of evidence in chronobiology: A response. *Journal of Circadian Rhythms*, **2009**, 7, 9	2.5	9
10	Medullary circuitry regulating rapid eye movement sleep and motor atonia. *Journal of Neuroscience*, **2009**, 29, 9361-9	6.6	82
9	Immunotoxin-induced ablation of melanopsin retinal ganglion cells in a non-murine mammalian model. *Journal of Comparative Neurology*, **2009**, 516, 125-40	3.4	19
8	Opioidergic projections to sleep-active neurons in the ventrolateral preoptic nucleus. *Brain Research*, **2008**, 1245, 96-107	3.7	53
7	Differential rescue of light- and food-entrainable circadian rhythms. *Science*, **2008**, 320, 1074-7	33.3	206
6	The pontine REM switch: past and present. *Journal of Physiology*, **2007**, 584, 735-41	3.9	153
5	Parallel and divergent adaptations of rat soleus and plantaris to chronic exercise and hypergravity. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2006**, 290, R442-8	3.2	17

4	Genetic evidence for a neurovestibular influence on the mammalian circadian pacemaker. *Journal of Biological Rhythms*, **2006**, 21, 177-84	3.2	26
3	Neurobiology of the sleep-wake cycle: sleep architecture, circadian regulation, and regulatory feedback. *Journal of Biological Rhythms*, **2006**, 21, 482-93	3.2	342
2	Insulin-independent pathways mediating glucose uptake in hindlimb-suspended skeletal muscle. *Journal of Applied Physiology*, **2005**, 99, 2181-8	3.7	55
1	Neurovestibular modulation of circadian and homeostatic regulation: vestibulohypothalamic connection?. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 15723-8	11.5	83