

Patrick M Fuller

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

7,758
citations

76196

40
h-index

76769

74
g-index

90
all docs

90
docs citations

90
times ranked

7930
citing authors

#	ARTICLE	IF	CITATIONS
1	Sleep State Switching. <i>Neuron</i> , 2010, 68, 1023-1042.	3.8	1,141
2	The sleep-wake cycle regulates brain interstitial fluid tau in mice and CSF tau in humans. <i>Science</i> , 2019, 363, 880-884.	6.0	460
3	Neurobiology of the Sleep-Wake Cycle: Sleep Architecture, Circadian Regulation, and Regulatory Feedback. <i>Journal of Biological Rhythms</i> , 2006, 21, 482-493.	1.4	432
4	Reassessment of the structural basis of the ascending arousal system. <i>Journal of Comparative Neurology</i> , 2011, 519, 933-956.	0.9	427
5	Wake“sleep circuitry: an overview. <i>Current Opinion in Neurobiology</i> , 2017, 44, 186-192.	2.0	299
6	The GABAergic parafacial zone is a medullary slow wave sleep“promoting center. <i>Nature Neuroscience</i> , 2014, 17, 1217-1224.	7.1	245
7	Differential Rescue of Light- and Food-Entrainable Circadian Rhythms. <i>Science</i> , 2008, 320, 1074-1077.	6.0	239
8	Basal forebrain control of wakefulness and cortical rhythms. <i>Nature Communications</i> , 2015, 6, 8744.	5.8	223
9	The Biology of REM Sleep. <i>Current Biology</i> , 2017, 27, R1237-R1248.	1.8	212
10	Medial Amygdalar Aromatase Neurons Regulate Aggression in Both Sexes. <i>Cell Reports</i> , 2015, 10, 453-462.	2.9	206
11	Glutamatergic Signaling from the Parabrachial Nucleus Plays a Critical Role in Hypercapnic Arousal. <i>Journal of Neuroscience</i> , 2013, 33, 7627-7640.	1.7	195
12	GABAergic RIP-Cre Neurons in the Arcuate Nucleus Selectively Regulate Energy Expenditure. <i>Cell</i> , 2012, 151, 645-657.	13.5	193
13	The pontine REM switch: past and present. <i>Journal of Physiology</i> , 2007, 584, 735-741.	1.3	188
14	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, 13193-13198.	3.3	178
15	Basal ganglia control of sleep“wake behavior and cortical activation. <i>European Journal of Neuroscience</i> , 2010, 31, 499-507.	1.2	174
16	Cholinergic, Glutamatergic, and GABAergic Neurons of the Pedunclopontine Tegmental Nucleus Have Distinct Effects on Sleep/Wake Behavior in Mice. <i>Journal of Neuroscience</i> , 2017, 37, 1352-1366.	1.7	156
17	A Novel Population of Wake-Promoting GABAergic Neurons in the Ventral Lateral Hypothalamus. <i>Current Biology</i> , 2016, 26, 2137-2143.	1.8	154
18	Locus Ceruleus and Anterior Cingulate Cortex Sustain Wakefulness in a Novel Environment. <i>Journal of Neuroscience</i> , 2010, 30, 14543-14551.	1.7	141

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19	Supramammillary glutamate neurons are a key node of the arousal system. <i>Nature Communications</i> , 2017, 8, 1405.	5.8	131
20	Brainstem and Spinal Cord Circuitry Regulating REM Sleep and Muscle Atonia. <i>PLoS ONE</i> , 2011, 6, e24998.	1.1	127
21	A hypothalamic circuit for the circadian control of aggression. <i>Nature Neuroscience</i> , 2018, 21, 717-724.	7.1	124
22	A Genetically Defined Circuit for Arousal from Sleep during Hypercapnia. <i>Neuron</i> , 2017, 96, 1153-1167.e5.	3.8	116
23	AVP neurons in the paraventricular nucleus of the hypothalamus regulate feeding. <i>Molecular Metabolism</i> , 2014, 3, 209-215.	3.0	108
24	Nonlinear partial differential equations and applications: 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, 15723-15728.	3.3	105
25	Identification and Characterization of a Sleep-Active Cell Group in the Rostral Medullary Brainstem. <i>Journal of Neuroscience</i> , 2012, 32, 17970-17976.	1.7	102
26	To eat or to sleep: That is a lateral hypothalamic question. <i>Neuropharmacology</i> , 2019, 154, 34-49.	2.0	101
27	Medullary Circuitry Regulating Rapid Eye Movement Sleep and Motor Atonia. <i>Journal of Neuroscience</i> , 2009, 29, 9361-9369.	1.7	96
28	Role of the Medial Prefrontal Cortex in Cataplexy. <i>Journal of Neuroscience</i> , 2013, 33, 9743-9751.	1.7	93
29	Stimulation of the Pontine Parabrachial Nucleus Promotes Wakefulness via Extra-thalamic Forebrain Circuit Nodes. <i>Current Biology</i> , 2016, 26, 2301-2312.	1.8	77
30	Suprachiasmatic VIP neurons are required for normal circadian rhythmicity and comprised of molecularly distinct subpopulations. <i>Nature Communications</i> , 2020, 11, 4410.	5.8	72
31	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.	1.1	69
32	Targeted genetic manipulations of neuronal subtypes using promoter-specific combinatorial AAVs in wild-type animals. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 152.	1.0	68
33	Identification of a direct <sc>GABA</sc>ergic pallidocortical pathway in rodents. <i>European Journal of Neuroscience</i> , 2015, 41, 748-759.	1.2	66
34	Opioidergic projections to sleep-active neurons in the ventrolateral preoptic nucleus. <i>Brain Research</i> , 2008, 1245, 96-107.	1.1	65
35	The anatomical, cellular and synaptic basis of motor atonia during rapid eye movement sleep. <i>Journal of Physiology</i> , 2016, 594, 5391-5414.	1.3	63
36	Insulin-independent pathways mediating glucose uptake in hindlimb-suspended skeletal muscle. <i>Journal of Applied Physiology</i> , 2005, 99, 2181-2188.	1.2	62

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37	An Inhibitory Lateral Hypothalamic-Preoptic Circuit Mediates Rapid Arousals from Sleep. <i>Current Biology</i> , 2019, 29, 4155-4168.e5.	1.8	51
38	Metabolic Effects of Chronic Sleep Restriction in Rats. <i>Sleep</i> , 2012, 35, 1511-1520.	0.6	49
39	Neuroscience: A Distributed Neural Network Controls REM Sleep. <i>Current Biology</i> , 2016, 26, R34-R35.	1.8	47
40	Carbon Monoxide: from Poison to Clinical Trials. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 329-339.	4.0	46
41	Neurotensin Receptor-1 Identifies a Subset of Ventral Tegmental Dopamine Neurons that Coordinates Energy Balance. <i>Cell Reports</i> , 2017, 20, 1881-1892.	2.9	45
42	Carbon Monoxide Preserves Circadian Rhythm to Reduce the Severity of Subarachnoid Hemorrhage in Mice. <i>Stroke</i> , 2017, 48, 2565-2573.	1.0	41
43	A Glutamatergic Hypothalamomedullary Circuit Mediates Thermogenesis, but Not Heat Conservation, during Stress-Induced Hyperthermia. <i>Current Biology</i> , 2018, 28, 2291-2301.e5.	1.8	39
44	Role of serotonergic dorsal raphe neurons in hypercapnia-induced arousals. <i>Nature Communications</i> , 2020, 11, 2769.	5.8	38
45	Brainstem regulation of slow-wave-sleep. <i>Current Opinion in Neurobiology</i> , 2017, 44, 139-143.	2.0	36
46	Brainstem Circuitry Regulating Phasic Activation of Trigeminal Motoneurons during REM Sleep. <i>PLoS ONE</i> , 2010, 5, e8788.	1.1	36
47	Reassessing the Role of Histaminergic Tuberomammillary Neurons in Arousal Control. <i>Journal of Neuroscience</i> , 2019, 39, 8929-8939.	1.7	32
48	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.	1.7	30
49	Toll Mediated Infection Response Is Altered by Gravity and Spaceflight in <i>Drosophila</i> . <i>PLoS ONE</i> , 2014, 9, e86485.	1.1	29
50	Genetic Evidence for a Neurovestibular Influence on the Mammalian Circadian Pacemaker. <i>Journal of Biological Rhythms</i> , 2006, 21, 177-184.	1.4	28
51	Impaired Circadian Photosensitivity in Mice Lacking Glutamate Transmission from Retinal Melanopsin Cells. <i>Journal of Biological Rhythms</i> , 2015, 30, 35-41.	1.4	28
52	Ventral medullary control of rapid eye movement sleep and atonia. <i>Experimental Neurology</i> , 2017, 290, 53-62.	2.0	23
53	Selective activation of serotonergic dorsal raphe neurons facilitates sleep through anxiolysis. <i>Sleep</i> , 2020, 43, .	0.6	22
54	Immunotoxin-induced ablation of melanopsin retinal ganglion cells in a non-murine mammalian model. <i>Journal of Comparative Neurology</i> , 2009, 516, 125-140.	0.9	21

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55	Lateral Hypothalamic Area Neurotensin Neurons Are Required for Control of Orexin Neurons and Energy Balance. <i>Endocrinology</i> , 2018, 159, 3158-3176.	1.4	20
56	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-R448.	0.9	19
57	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.	1.6	17
58	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.	2.8	16
59	Acute inhibition of a cortical motor area impairs vocal control in singing zebra finches. <i>European Journal of Neuroscience</i> , 2015, 41, 97-108.	1.2	14
60	Hippocampal corticotropin-releasing hormone neurons support recognition memory and modulate hippocampal excitability. <i>PLoS ONE</i> , 2018, 13, e0191363.	1.1	14
61	The Sleep-Promoting Ventrolateral Preoptic Nucleus: What Have We Learned over the Past 25 Years?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2905.	1.8	14
62	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.	0.7	13
63	Armodafinil-induced wakefulness in animals with ventrolateral preoptic lesions. <i>Nature and Science of Sleep</i> , 2014, 6, 57.	1.4	10
64	Standards of evidence in chronobiology: A response. <i>Journal of Circadian Rhythms</i> , 2014, 7, 9.	2.9	10
65	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, 406-417.	1.7	10
66	Hypothalamic Pomc Neurons Innervate the Spinal Cord and Modulate the Excitability of Premotor Circuits. <i>Current Biology</i> , 2020, 30, 4579-4593.e7.	1.8	6
67	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.	0.8	6
68	Depleting hypothalamic somatostatinergic neurons recapitulates diabetic phenotypes in mouse brain, bone marrow, adipose and retina. <i>Diabetologia</i> , 2021, 64, 2575-2588.	2.9	5
69	The Role of the Central Histaminergic System in Behavioral State Control. <i>Current Topics in Behavioral Neurosciences</i> , 2021, , 447-468.	0.8	3
70	The Circuit, Cellular, and Synaptic Bases of Sleep-Wake Regulation. <i>Handbook of Behavioral Neuroscience</i> , 2019, , 65-88.	0.7	2
71	Addicted to dreaming. <i>Science</i> , 2022, 375, 972-973.	6.0	2
72	An Overview of Sleep. , 2012, , 43-61.		1

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73	Inducible clocks: Food entrainment of circadian rhythms. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007, 135, 18-19.	1.4	0
74	Genetic dissection of neural circuitry regulating behavioral state using conditional transgenics. <i>Sleep and Biological Rhythms</i> , 2011, 9, 78-83.	0.5	0
75	0141 Ascending Projections From Parafacial Zone To The Medial Parabrachial Neurons. <i>Sleep</i> , 2019, 42, A58-A58.	0.6	0
76	026 Vasoactive Intestinal Polypeptide Directly Excites Neurons of the Subparaventricular Zone. <i>Sleep</i> , 2021, 44, A12-A12.	0.6	0
77	074 Basal Forebrain GABAergic Neurons Promote Arousal by Disinhibiting the Orexin Neurons via Local GABAergic Interneurons. <i>Sleep</i> , 2021, 44, A31-A31.	0.6	0
78	Hepatic proteome analysis in mice following 90 days of spaceflight. <i>FASEB Journal</i> , 2013, 27, lb745.	0.2	0
79	Identifying Brain Networks Controlling Micturition and Continence in Mouse™. <i>FASEB Journal</i> , 2018, 32, 734.3.	0.2	0
80	An overview of sleep-wake circuitry. , 2018, , .		0