

Patrick M Fuller

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

7,758
citations

76326

40
h-index

76900

74
g-index

90
all docs

90
docs citations

90
times ranked

7930
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.1	14
2	Addicted to dreaming. <i>Science</i> , 2022, 375, 972-973.	12.6	2
3	026 Vasoactive Intestinal Polypeptide Directly Excites Neurons of the Subparaventricular Zone. <i>Sleep</i> , 2021, 44, A12-A12.	1.1	0
4	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	0
5	Carbon Monoxide: from Poison to Clinical Trials. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 329-339.	8.7	46
6	Depleting hypothalamic somatostatinergic neurons recapitulates diabetic phenotypes in mouse brain, bone marrow, adipose and retina. <i>Diabetologia</i> , 2021, 64, 2575-2588.	6.3	5
7	The Role of the Central Histaminergic System in Behavioral State Control. <i>Current Topics in Behavioral Neurosciences</i> , 2021, , 447-468.	1.7	3
8	Selective activation of serotonergic dorsal raphe neurons facilitates sleep through anxiolysis. <i>Sleep</i> , 2020, 43, .	1.1	22
9	Hypothalamic Pomc Neurons Innervate the Spinal Cord and Modulate the Excitability of Premotor Circuits. <i>Current Biology</i> , 2020, 30, 4579-4593.e7.	3.9	6
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.	1.9	6
11	Suprachiasmatic VIP neurons are required for normal circadian rhythmicity and comprised of molecularly distinct subpopulations. <i>Nature Communications</i> , 2020, 11, 4410.	12.8	72
12	Role of serotonergic dorsal raphe neurons in hypercapnia-induced arousals. <i>Nature Communications</i> , 2020, 11, 2769.	12.8	38
13	Reassessing the Role of Histaminergic Tuberomammillary Neurons in Arousal Control. <i>Journal of Neuroscience</i> , 2019, 39, 8929-8939.	3.6	32
14	The sleep-wake cycle regulates brain interstitial fluid tau in mice and CSF tau in humans. <i>Science</i> , 2019, 363, 880-884.	12.6	460
15	The Circuit, Cellular, and Synaptic Bases of Sleep-Wake Regulation. <i>Handbook of Behavioral Neuroscience</i> , 2019, , 65-88.	0.7	2
16	0141 Ascending Projections From Parafacial Zone To The Medial Parabrachial Neurons. <i>Sleep</i> , 2019, 42, A58-A58.	1.1	0
17	An Inhibitory Lateral Hypothalamic-Preoptic Circuit Mediates Rapid Arousals from Sleep. <i>Current Biology</i> , 2019, 29, 4155-4168.e5.	3.9	51
18	To eat or to sleep: That is a lateral hypothalamic question. <i>Neuropharmacology</i> , 2019, 154, 34-49.	4.1	101

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19	A hypothalamic circuit for the circadian control of aggression. <i>Nature Neuroscience</i> , 2018, 21, 717-724.	14.8	124
20	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.	5.4	16
21	A Glutamatergic Hypothalamomedullary Circuit Mediates Thermogenesis, but Not Heat Conservation, during Stress-Induced Hyperthermia. <i>Current Biology</i> , 2018, 28, 2291-2301.e5.	3.9	39
22	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.	3.6	30
23	Lateral Hypothalamic Area Neurotensin Neurons Are Required for Control of Orexin Neurons and Energy Balance. <i>Endocrinology</i> , 2018, 159, 3158-3176.	2.8	20
24	Hippocampal corticotropin-releasing hormone neurons support recognition memory and modulate hippocampal excitability. <i>PLoS ONE</i> , 2018, 13, e0191363.	2.5	14
25	Identifying Brain Networks Controlling Micturition and Continence in Mouse™. <i>FASEB Journal</i> , 2018, 32, 734.3.	0.5	0
26	An overview of sleep-wake circuitry. , 2018, , .		0
27	Ventral medullary control of rapid eye movement sleep and atonia. <i>Experimental Neurology</i> , 2017, 290, 53-62.	4.1	23
28	Brainstem regulation of slow-wave-sleep. <i>Current Opinion in Neurobiology</i> , 2017, 44, 139-143.	4.2	36
29	Wake-sleep circuitry: an overview. <i>Current Opinion in Neurobiology</i> , 2017, 44, 186-192.	4.2	299
30	Cholinergic, Glutamatergic, and GABAergic Neurons of the Pedunculo pontine Tegmental Nucleus Have Distinct Effects on Sleep/Wake Behavior in Mice. <i>Journal of Neuroscience</i> , 2017, 37, 1352-1366.	3.6	156
31	A Genetically Defined Circuit for Arousal from Sleep during Hypercapnia. <i>Neuron</i> , 2017, 96, 1153-1167.e5.	8.1	116
32	Neurotensin Receptor-1 Identifies a Subset of Ventral Tegmental Dopamine Neurons that Coordinates Energy Balance. <i>Cell Reports</i> , 2017, 20, 1881-1892.	6.4	45
33	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
34	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.	1.6	13
35	Carbon Monoxide Preserves Circadian Rhythm to Reduce the Severity of Subarachnoid Hemorrhage in Mice. <i>Stroke</i> , 2017, 48, 2565-2573.	2.0	41
36	The Biology of REM Sleep. <i>Current Biology</i> , 2017, 27, R1237-R1248.	3.9	212

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37	Supramammillary glutamate neurons are a key node of the arousal system. <i>Nature Communications</i> , 2017, 8, 1405.	12.8	131
38	The anatomical, cellular and synaptic basis of motor atonia during rapid eye movement sleep. <i>Journal of Physiology</i> , 2016, 594, 5391-5414.	2.9	63
39	A Novel Population of Wake-Promoting GABAergic Neurons in the Ventral Lateral Hypothalamus. <i>Current Biology</i> , 2016, 26, 2137-2143.	3.9	154
40	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
41	Neuroscience: A Distributed Neural Network Controls REM Sleep. <i>Current Biology</i> , 2016, 26, R34-R35.	3.9	47
42	Basal forebrain control of wakefulness and cortical rhythms. <i>Nature Communications</i> , 2015, 6, 8744.	12.8	223
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.	2.0	68
44	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
45	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.	3.0	10
46	Medial Amygdalar Aromatase Neurons Regulate Aggression in Both Sexes. <i>Cell Reports</i> , 2015, 10, 453-462.	6.4	206
47	Impaired Circadian Photosensitivity in Mice Lacking Glutamate Transmission from Retinal Melanopsin Cells. <i>Journal of Biological Rhythms</i> , 2015, 30, 35-41.	2.6	28
48	Identification of a direct GABAergic pallidocortical pathway in rodents. <i>European Journal of Neuroscience</i> , 2015, 41, 748-759.	2.6	66
49	Acute inhibition of a cortical motor area impairs vocal control in singing zebra finches. <i>European Journal of Neuroscience</i> , 2015, 41, 97-108.	2.6	14
50	Toll Mediated Infection Response Is Altered by Gravity and Spaceflight in <i>Drosophila</i> . <i>PLoS ONE</i> , 2014, 9, e86485.	2.5	29
51	Armodafinil-induced wakefulness in animals with ventrolateral preoptic lesions. <i>Nature and Science of Sleep</i> , 2014, 6, 57.	2.7	10
52	Standards of evidence in chronobiology: A response. <i>Journal of Circadian Rhythms</i> , 2014, 7, 9.	1.3	10
53	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.	7.1	178
54	The GABAergic parafacial zone is a medullary slow wave sleep-promoting center. <i>Nature Neuroscience</i> , 2014, 17, 1217-1224.	14.8	245

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55	AVP neurons in the paraventricular nucleus of the hypothalamus regulate feeding. <i>Molecular Metabolism</i> , 2014, 3, 209-215.	6.5	108
56	Glutamatergic Signaling from the Parabrachial Nucleus Plays a Critical Role in Hypercapnic Arousal. <i>Journal of Neuroscience</i> , 2013, 33, 7627-7640.	3.6	195
57	Role of the Medial Prefrontal Cortex in Cataplexy. <i>Journal of Neuroscience</i> , 2013, 33, 9743-9751.	3.6	93
58	Hepatic proteome analysis in mice following 90 days of spaceflight. <i>FASEB Journal</i> , 2013, 27, lb745.	0.5	0
59	GABAergic RIP-Cre Neurons in the Arcuate Nucleus Selectively Regulate Energy Expenditure. <i>Cell</i> , 2012, 151, 645-657.	28.9	193
60	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
61	An Overview of Sleep. , 2012, , 43-61.		1
62	Metabolic Effects of Chronic Sleep Restriction in Rats. <i>Sleep</i> , 2012, 35, 1511-1520.	1.1	49
63	Genetic dissection of neural circuitry regulating behavioral state using conditional transgenics. <i>Sleep and Biological Rhythms</i> , 2011, 9, 78-83.	1.0	0
64	Reassessment of the structural basis of the ascending arousal system. <i>Journal of Comparative Neurology</i> , 2011, 519, 933-956.	1.6	427
65	Brainstem and Spinal Cord Circuitry Regulating REM Sleep and Muscle Atonia. <i>PLoS ONE</i> , 2011, 6, e24998.	2.5	127
66	Basal ganglia control of sleep-wake behavior and cortical activation. <i>European Journal of Neuroscience</i> , 2010, 31, 499-507.	2.6	174
67	Locus Ceruleus and Anterior Cingulate Cortex Sustain Wakefulness in a Novel Environment. <i>Journal of Neuroscience</i> , 2010, 30, 14543-14551.	3.6	141
68	Sleep State Switching. <i>Neuron</i> , 2010, 68, 1023-1042.	8.1	1,141
69	Brainstem Circuitry Regulating Phasic Activation of Trigeminal Motoneurons during REM Sleep. <i>PLoS ONE</i> , 2010, 5, e8788.	2.5	36
70	Medullary Circuitry Regulating Rapid Eye Movement Sleep and Motor Atonia. <i>Journal of Neuroscience</i> , 2009, 29, 9361-9369.	3.6	96
71	Immunotoxin-induced ablation of melanopsin retinal ganglion cells in a non-murine mammalian model. <i>Journal of Comparative Neurology</i> , 2009, 516, 125-140.	1.6	21
72	Opioidergic projections to sleep-active neurons in the ventrolateral preoptic nucleus. <i>Brain Research</i> , 2008, 1245, 96-107.	2.2	65

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73	Differential Rescue of Light- and Food-Entrainable Circadian Rhythms. <i>Science</i> , 2008, 320, 1074-1077.	12.6	239
74	Inducible clocks: Food entrainment of circadian rhythms. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007, 135, 18-19.	2.8	0
75	The pontine REM switch: past and present. <i>Journal of Physiology</i> , 2007, 584, 735-741.	2.9	188
76	Neurobiology of the Sleep-Wake Cycle: Sleep Architecture, Circadian Regulation, and Regulatory Feedback. <i>Journal of Biological Rhythms</i> , 2006, 21, 482-493.	2.6	432
77	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.	1.8	19
78	Genetic Evidence for a Neurovestibular Influence on the Mammalian Circadian Pacemaker. <i>Journal of Biological Rhythms</i> , 2006, 21, 177-184.	2.6	28
79	Insulin-independent pathways mediating glucose uptake in hindlimb-suspended skeletal muscle. <i>Journal of Applied Physiology</i> , 2005, 99, 2181-2188.	2.5	62
80	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.	7.1	105