Peter G R Burke

List of Publications by Year
in descending order

33	916	567144 15	454834 30
papers	citations	h-index	g-index

34	34	34	936
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	C1 neurons: the body's EMTs. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R187-R204.	0.9	219
2	Optogenetic Stimulation of Adrenergic C1 Neurons Causes Sleep Stateâ€“Dependent Cardiorespiratory Stimulation and Arousal with Sighs in Rats. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 1301-1310.	2.5	77
3	Proton detection and breathing regulation by the retrotrapezoid nucleus. Journal of Physiology, 2016, 594, 1529-1551.	1.3	73
4	Stateâ€dependent control of breathing by the retrotrapezoid nucleus. Journal of Physiology, 2015, 593, 2909-2926.	1.3	72
5	Hypoxia Silences Retrotrapezoid Nucleus Respiratory Chemoreceptors via Alkalosis. Journal of Neuroscience, 2015, 35, 527-543.	1.7	60
6	Somatostatin selectively ablates post-inspiratory activity after injection into the BÃ¶tzinger complex. Neuroscience, 2010, 167, 528-539.	1.1	49
7	Dose-dependent effects of mandibular advancement on upper airway collapsibility and muscle function in obstructive sleep apnea. Sleep, 2019, 42, .	0.6	46
8	Somatostatin 2A Receptor-Expressing Presympathetic Neurons in the Rostral Ventrolateral Medulla Maintain Blood Pressure. Hypertension, 2008, 52, 1127-1133.	1.3	41
9	Tyrosine Hydroxylase Phosphorylation in Catecholaminergic Brain Regions: A Marker of Activation following Acute Hypotension and Glucoprivation. PLoS ONE, 2012, 7, e50535.	1.1	32
10	Selective optogenetic stimulation of the retrotrapezoid nucleus in sleeping rats activates breathing without changing blood pressure or causing arousal or sighs. Journal of Applied Physiology, 2015, 118, 1491-1501.	1.2	29
11	Patterning of somatosympathetic reflexes reveals nonuniform organization of presympathetic drive from C1 and non-C1 RVLM neurons. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R1112-R1122.	0.9	24
12	Upper airway collapsibility measured using a simple wakefulness test closely relates to the pharyngeal critical closing pressure during sleep in obstructive sleep apnea. Sleep, 2019, 42, .	0.6	24
13	METABOTROPIC NEUROTRANSMISSION AND INTEGRATION OF SYMPATHETIC NERVE ACTIVITY BY THE ROSTRAL VENTROLATERAL MEDULLA IN THE RAT. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 508-511.	0.9	21
14	Galanin microinjection into the PreBÃ¶tzinger or the BÃ¶tzinger Complex terminates central inspiratory activity and reduces responses to hypoxia and hypercapnia in rat. Respiratory Physiology and Neurobiology, 2009, 167, 299-306.	0.7	21
15	Regional respiratory movement of the tongue is coordinated during wakefulness and is larger in severe obstructive sleep apnoea. Journal of Physiology, 2020, 598, 581-597.	1.3	17
16	Respiratory-related displacement of the trachea in obstructive sleep apnea. Journal of Applied Physiology, 2019, 127, 1307-1316.	1.2	14
17	Comparison of noradrenaline, dopamine and serotonin in mediating the tachycardic and thermogenic effects of methamphetamine in the ventral medial prefrontal cortex. Neuroscience, 2015, 295, 209-220.	1.1	13
18	The Generation of Post-Inspiratory Activity in Laryngeal Motoneurons: A Review. Advances in Experimental Medicine and Biology, 2010, 669, 143-149.	0.8	11

#	Article	IF	Citations
19	Effect of upper airway fat on tongue dilation during inspiration in awake people with obstructive sleep apnea. Sleep, 2021, 44, .	0.6	10
20	Somatostatin 2a receptors are not expressed on functionally identified respiratory neurons in the ventral respiratory column of the rat. Journal of Comparative Neurology, 2016, 524, 1384-1398.	0.9	8
21	Polysialic Acid Regulates Sympathetic Outflow by Facilitating Information Transfer within the Nucleus of the Solitary Tract. Journal of Neuroscience, 2017, 37, 6558-6574.	1.7	8
22	Tonically Active cAMP-Dependent Signaling in the Ventrolateral Medulla Regulates Sympathetic and Cardiac Vagal Outflows. Journal of Pharmacology and Experimental Therapeutics, 2016, 356, 424-433.	1.3	7
23	Somatostatin 2 Receptors in the Spinal Cord Tonically Restrain Thermogenic, Cardiac and Other Sympathetic Outflows. Frontiers in Neuroscience, 2019, 13, 121.	1.4	7
24	Influence of mandibular advancement on tongue dilatory movement during wakefulness and how this is related to oral appliance therapy outcome for obstructive sleep apnea. Sleep, 2021, 44, .	0.6	7
25	Respiratory sympathetic modulation is augmented in chronic kidney disease. Respiratory Physiology and Neurobiology, 2019, 262, 57-66.	0.7	5
26	Mandibular advancement splint response is associated with the pterygomandibular raphe. Sleep, 2021, 44, .	0.6	5
27	Nocturnal swallowing augments arousal intensity and arousal tachycardia. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8624-8632.	3.3	4
28	Inhibition of protein kinase A activity depresses phrenic drive and glycinergic signalling, but not rhythmogenesis in anaesthetized rat. European Journal of Neuroscience, 2013, 38, 2260-2270.	1.2	3
29	The relationship between mandibular advancement, tongue movement, and treatment outcome in obstructive sleep apnea. Sleep, 2022, , .	0.6	3
30	Upregulated Angiotensin Ia Receptors in the Hypothalamic Paraventricular Nucleus Sensitize Neuroendocrine Vasopressin Release and Blood Pressure in a Rodent Model of Polycystic Kidney Disease. Neuroendocrinology, 2022, 112, 1200-1213.	1.2	3
31	Somatostatin 2 Receptor Activation in the Rostral Ventrolateral Medulla Does Not Mediate the Decompensatory Phase of Haemorrhage. Shock, 2018, 50, 331-338.	1.0	1
32	Augmented Respiratoryâ€“Sympathetic Coupling and Hemodynamic Response to Acute Mild Hypoxia in Female Rodents With Chronic Kidney Disease. Frontiers in Physiology, 2021, 12, 623599.	1.3	1
33	Do catecholaminergic TrkC DRG neurons represent a class of cardiovascular enteroceptor?. Cell Reports, 2022, 38, 110082.	2.9	1