Melissa Farnham

List of Publications by Citations

38 papers	505 citations	16 h-index	21 g-index
40 ext. papers	552 ext. citations	3.3 avg, IF	3.69 L-index

#	Paper	IF	Citations
38	PACAP is expressed in sympathoexcitatory bulbospinal C1 neurons of the brain stem and increases sympathetic nerve activity in vivo. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 294, R1304-11	3.2	56
37	PACAP causes PAC1/VPAC2 receptor mediated hypertension and sympathoexcitation in normal and hypertensive rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2012**, 303, H910-7	5.2	32
36	Antagonism of PACAP or microglia function worsens the cardiovascular consequences of kainic-acid-induced seizures in rats. *Journal of Neuroscience*, **2015**, 35, 2191-9	6.6	27
35	Effects of baroreceptor activation on respiratory variability in rat. *Respiratory Physiology and Neurobiology*, **2009**, 166, 80-6	2.8	27
34	DNA damage-sensing kinases mediate the mouse 2-cell embryo's response to genotoxic stress. *Biology of Reproduction*, **2011**, 85, 524-35	3.9	26
33	Intrathecal PACAP-38 causes prolonged widespread sympathoexcitation via a spinally mediated mechanism and increases in basal metabolic rate in anesthetized rat. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H2300-7	5.2	25
32	Intrathecal PACAP-38 causes increases in sympathetic nerve activity and heart rate but not blood pressure in the spontaneously hypertensive rat. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H214-22	5.2	23
31	Alerted microglia and the sympathetic nervous system: A novel form of microglia in the development of hypertension. *Respiratory Physiology and Neurobiology*, **2016**, 226, 51-62	2.8	21
30	The effect of losartan on differential reflex control of sympathetic nerve activity in chronic kidney disease. *Journal of Hypertension*, **2015**, 33, 1249-60	1.9	21
29	The role of PACAP in central cardiorespiratory regulation. *Respiratory Physiology and Neurobiology*, **2010**, 174, 65-75	2.8	21
28	Acute intermittent hypoxia with concurrent hypercapnia evokes P2X and TRPV1 receptor-dependent sensory long-term facilitation in naïve carotid bodies. *Journal of Physiology*, **2018**, 596, 3149-3169	3.9	21
27	Metabotropic neurotransmission and integration of sympathetic nerve activity by the rostral ventrolateral medulla in the rat. *Clinical and Experimental Pharmacology and Physiology*, **2008**, 35, 508-11	3	20
26	Inhibition of microglial activation with minocycline at the intrathecal level attenuates sympathoexcitatory and proarrhythmogenic changes in rats with chronic temporal lobe epilepsy. *Neuroscience*, **2017**, 350, 23-38	3.9	19
25	Dynamic changes in the relationship of microglia to cardiovascular neurons in response to increases and decreases in blood pressure. *Neuroscience*, **2016**, 329, 12-29	3.9	18
24	Optogenetics, the intersection between physics and neuroscience: light stimulation of neurons in physiological conditions. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 307, R1292-302	3.2	17
23	Rostroventrolateral medulla neurons with commissural projections provide input to sympathetic premotor neurons: anatomical and functional evidence. *European Journal of Neuroscience*, **2013**, 38, 2504-15	3.5	17
22	Seizure-Induced Sympathoexcitation Is Caused by Activation of Glutamatergic Receptors in RVLM That Also Causes Proarrhythmogenic Changes Mediated by PACAP and Microglia in Rats. *Journal of Neuroscience*, **2016**, 36, 506-17	6.6	15

21	pSer40 tyrosine hydroxylase immunohistochemistry identifies the anatomical location of C1 neurons in rat RVLM that are activated by hypotension. *Neuroscience*, **2016**, 317, 162-72	3.9	14
20	Activation of PAC(1) and VPAC receptor subtypes elicits differential physiological responses from sympathetic preganglionic neurons in the anaesthetized rat. *British Journal of Pharmacology*, **2012**, 167, 1089-98	8.6	12
19	Microglia in the RVLM of SHR have reduced P2Y12R and CX3CR1 expression, shorter processes, and lower cell density. *Autonomic Neuroscience: Basic and Clinical*, **2019**, 216, 9-16	2.4	11
18	Microglia PACAP and glutamate: Friends or foes in seizure-induced autonomic dysfunction and SUDEP?. *Respiratory Physiology and Neurobiology*, **2016**, 226, 39-50	2.8	9
17	PACAP-(6-38) or kynurenate microinjections in the RVLM prevent the development of sympathetic long-term facilitation after acute intermittent hypoxia. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 314, H563-H572	5.2	6
16	Microglial number is related to the number of tyrosine hydroxylase neurons in SHR and normotensive rats. *Autonomic Neuroscience: Basic and Clinical*, **2016**, 198, 10-8	2.4	6
15	Intrathecal Intermittent Orexin-A Causes Sympathetic Long-Term Facilitation and Sensitizes the Peripheral Chemoreceptor Response to Hypoxia in Rats. *Journal of Pharmacology and Experimental Therapeutics*, **2016**, 358, 492-501	4.7	5
14	Catestatin has an unexpected effect on the intrathecal actions of PACAP dramatically reducing blood pressure. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2012**, 303, R719-26	3.2	5
13	Local anaesthetics for acute reversible blockade of the sympathetic baroreceptor reflex in the rat. *Journal of Neuroscience Methods*, **2009**, 179, 58-62	3	5
12	Activation of μ-opioid receptors in the rostral ventrolateral medulla blocks the sympathetic counterregulatory response to glucoprivation. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 315, R1115-R1122	3.2	5
11	Surgical preparation of mice for recording cardiorespiratory parameters in vivo. *Journal of Neuroscience Methods*, **2015**, 248, 41-5	3	4
10	PACAP-PAC1 Receptor Activation Is Necessary for the Sympathetic Response to Acute Intermittent Hypoxia. *Frontiers in Neuroscience*, **2019**, 13, 881	5.1	4
9	Intermittent hypoxia-induced cardiorespiratory long-term facilitation: A new role for microglia. *Respiratory Physiology and Neurobiology*, **2016**, 226, 30-8	2.8	4
8	Gene Interference with Morpholinos in a Gold Nanoparticle-Based Delivery Platform in Rat PC12 Cells. *Journal of Biomedical Nanotechnology*, **2015**, 11, 2111-23	4	3
7	Integration of hindbrain and carotid body mechanisms that control the autonomic response to cardiorespiratory and glucoprivic insults. *Respiratory Physiology and Neurobiology*, **2019**, 265, 83-91	2.8	3
6	Glia and central cardiorespiratory pathology. *Autonomic Neuroscience: Basic and Clinical*, **2018**, 214, 24-34	2.4	3
5	Acute Activation and Inhibition of the Sympathetic Baroreceptor Reflex. *Neuromethods*, **2013**, 47-58	0.4	
4	Activation of δ-opioid receptors in the rostral ventrolateral medulla blocks the sympathetic counter-regulatory response to glucoprivation. *FASEB Journal*, **2018**, 32, 599.5	0.9	

3	Short Sustained, But Not Intermittent, Hypoxia Attenuates Kainic Acid-Induced Sympathetic Nerve Activity Increase and Prevents Seizure Development in Rats. *FASEB Journal*, **2018**, 32, lb408	0.9
2	pSer40 tyrosine hydroxylase immunohistochemistry identifies the anatomical location of C1 neurons in rat RVLM that are activated by hypotension. *FASEB Journal*, **2016**, 30, 753.6	0.9
1	Pentobarbital Anesthesia Suppresses the Glucose Response to Acute Intermittent Hypoxia in Rat. *Frontiers in Physiology*, **2021**, 12, 645392	4.6