Paul Martin Pilowsky

List of Publications by Citations

240 papers	5,821 citations	39 h-index	60 g-index
247 ext. papers	6,127 ext. citations	3.5 avg, IF	5.58 L-index

#	Paper	IF	Citations
240	Baroreceptor reflex pathways and neurotransmitters: 10 years on. *Journal of Hypertension*, **2002**, 20, 1675-88	1.9	232
239	Limitations of the technique of pressure microinjection of excitatory amino acids for evoking responses from localized regions of the CNS. *Journal of Neuroscience Methods*, **1988**, 26, 169-79	3	181
238	The tungstate-stabilized tetramethylbenzidine reaction for light and electron microscopic immunocytochemistry and for revealing biocytin-filled neurons. *Journal of Neuroscience Methods*, **1993**, 46, 27-40	3	146
237	An intracellular study of respiratory neurons in the rostral ventrolateral medulla of the rat and their relationship to catecholamine-containing neurons. *Journal of Comparative Neurology*, **1990**, 301, 604-17	3.4	117
236	Serotonin immunoreactive boutons make synapses with feline phrenic motoneurons. *Journal of Neuroscience*, **1990**, 10, 1091-8	6.6	98
235	Glutamate-immunoreactive synapses on retrogradely-labelled sympathetic preganglionic neurons in rat thoracic spinal cord. *Brain Research*, **1992**, 581, 67-80	3.7	87
234	Glutamate in spinally projecting neurons of the rostral ventral medulla. *Brain Research*, **1991**, 555, 326-31	3.7	87
233	The pre-Bötzinger complex and phase-spanning neurons in the adult rat. *Brain Research*, **1998**, 809, 204-13	3.7	81
232	Differential expression of catecholamine biosynthetic enzymes in the rat ventrolateral medulla. *Journal of Comparative Neurology*, **2001**, 432, 20-34	3.4	80
231	Spinal cord serotonin release and raised blood pressure after brainstem kainic acid injection. *Brain Research*, **1986**, 366, 354-7	3.7	80
230	Serotonin immunoreactive boutons form close appositions with respiratory neurons of the dorsal respiratory group in the cat. *Journal of Comparative Neurology*, **1990**, 295, 208-18	3.4	75
229	Differential role of kinases in brain stem of hypertensive and normotensive rats. *Hypertension*, **2001** , 38, 1087-92	8.5	68
228	Close appositions between tyrosine hydroxylase immunoreactive boutons and respiratory neurons in the rat ventrolateral medulla. *Journal of Comparative Neurology*, **1994**, 340, 1-10	3.4	68
227	Site-specific effects of apelin-13 in the rat medulla oblongata on arterial pressure and respiration. *Autonomic Neuroscience: Basic and Clinical*, **2002**, 101, 32-8	2.4	65
226	Substance P immunoreactive boutons form synapses with feline sympathetic preganglionic neurons. *Journal of Comparative Neurology*, **1992**, 320, 121-35	3.4	65
225	Central command regulation of circulatory function mediated by descending pontine cholinergic inputs to sympathoexcitatory rostral ventrolateral medulla neurons. *Circulation Research*, **2007**, 100, 284-91	15.7	64
224	Orexin A in rat rostral ventrolateral medulla is pressor, sympatho-excitatory, increases barosensitivity and attenuates the somato-sympathetic reflex. *British Journal of Pharmacology*, **2012**, 165, 2292-303	8.6	63

223	Altered c-fos in rostral medulla and spinal cord of spontaneously hypertensive rats. *Hypertension*, **1996**, 27, 433-41	8.5	61
222	Catecholamine-related gene expression correlates with blood pressures in SHR. *Hypertension*, **2002**, 40, 342-7	8.5	60
221	Upregulation of angiotensin AT1 receptor and intracellular kinase gene expression in hypertensive rats. *Clinical and Experimental Pharmacology and Physiology*, **2006**, 33, 690-5	3	59
220	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
219	Activation of mu-opioid receptors in rat ventrolateral medulla selectively blocks baroreceptor reflexes while activation of delta opioid receptors blocks somato-sympathetic reflexes. *Neuroscience*, **2002**, 109, 133-44	3.9	56
218	Intrathecal orexin A increases sympathetic outflow and respiratory drive, enhances baroreflex sensitivity and blocks the somato-sympathetic reflex. *British Journal of Pharmacology*, **2011**, 162, 961-73	8.6	55
217	Acute intermittent hypoxia in rat in vivo elicits a robust increase in tonic sympathetic nerve activity that is independent of respiratory drive. *Journal of Physiology*, **2010**, 588, 3075-88	3.9	54
216	The one hundred percent hypothesis: glutamate or GABA in synapses on sympathetic preganglionic neurons. *Clinical and Experimental Hypertension*, **1995**, 17, 323-33	2.2	54
215	Cannabinoid receptor activation in the rostral ventrolateral medulla oblongata evokes cardiorespiratory effects in anaesthetised rats. *British Journal of Pharmacology*, **2003**, 140, 384-94	8.6	52
214	Differential regulation of the central neural cardiorespiratory system by metabotropic neurotransmitters. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2009**, 364, 2537-52	5.8	49
213	N-methyl-D-aspartate receptors in the spinal cord mediate pressor responses to stimulation of the rostral ventrolateral medulla in the rat. *Clinical and Experimental Pharmacology and Physiology*, **1988**, 15, 147-55	3	49
212	Bötzinger neurons project towards bulbospinal neurons in the rostral ventrolateral medulla of the rat. *Journal of Comparative Neurology*, **1997**, 388, 23-31	3.4	48
211	Does substance P coexist with adrenaline in neurones of the rostral ventrolateral medulla in the rat?. *Neuroscience Letters*, **1986**, 71, 293-8	3.3	46
210	c-fos identifies GABA-synthesizing barosensitive neurons in caudal ventrolateral medulla. *NeuroReport*, **1997**, 8, 3015-21	1.7	44
209	Pre-protachykinin A mRNA is colocalized with tyrosine hydroxylase-immunoreactivity in bulbospinal neurons. *Neuroscience*, **2005**, 136, 205-16	3.9	44
208	Somatostatin selectively ablates post-inspiratory activity after injection into the Bötzinger complex. *Neuroscience*, **2010**, 167, 528-39	3.9	43
207	Mu opioid receptors in rat ventral medulla: effects of endomorphin-1 on phrenic nerve activity. *Respiratory Physiology and Neurobiology*, **2003**, 138, 165-78	2.8	43
206	Somatostatin 2A receptor-expressing presympathetic neurons in the rostral ventrolateral medulla maintain blood pressure. *Hypertension*, **2008**, 52, 1127-33	8.5	41

205	Renal sympathetic nerve responses to stimulation, inhibition and destruction of the ventrolateral medulla in the rabbit. *Neuroscience Letters*, **1985**, 60, 51-5	3.3	41
204	Galanin is a selective marker of the retrotrapezoid nucleus in rats. *Journal of Comparative Neurology*, **2009**, 512, 373-83	3.4	40
203	Evidence for a tonic GABA-ergic inhibition of excitatory respiratory-related afferents to presympathetic neurons in the rostral ventrolateral medulla. *Brain Research*, **2002**, 924, 56-62	3.7	40
202	Good vibrations? Respiratory rhythms in the central control of blood pressure. *Clinical and Experimental Pharmacology and Physiology*, **1995**, 22, 594-604	3	39
201	Retrograde Tracing with Cholera Toxin B□old or with Immunocytochemically Detected Cholera Toxin B in Central Nervous System. *Methods in Neurosciences*, **1992**, 180-201		37
200	Serotonin inputs to inspiratory laryngeal motoneurons in the rat. *Journal of Comparative Neurology*, **2002**, 451, 91-8	3.4	36
199	GABA-immunoreactive boutons make synapses with inspiratory neurons of the dorsal respiratory group. *Brain Research*, **1990**, 529, 309-14	3.7	36
198	Mu-opioid receptors are present in functionally identified sympathoexcitatory neurons in the rat rostral ventrolateral medulla. *Journal of Comparative Neurology*, **2001**, 433, 34-47	3.4	35
197	Tyrosine hydroxylase gene expression in ventrolateral medulla oblongata of WKY and SHR: a quantitative real-time polymerase chain reaction study. *Autonomic Neuroscience: Basic and Clinical*, **2002**, 98, 79-84	2.4	34
196	Inhibition of vasodepressor neurons in the caudal ventrolateral medulla of the rabbit increases both arterial pressure and the release of neuropeptide Y-like immunoreactivity from the spinal cord. *Brain Research*, **1987**, 420, 380-4	3.7	34
195	The generation of pharyngeal phase of swallow and its coordination with breathing: interaction between the swallow and respiratory central pattern generators. *Progress in Brain Research*, **2014**, 212, 253-75	2.9	33
194	CrossTalk opposing view: The pre-Botzinger complex is not essential for respiratory depression following systemic administration of opioid analgesics. *Journal of Physiology*, **2014**, 592, 1163-6	3.9	33
193	Monosynaptic excitatory connection from the rostral ventrolateral medulla to sympathetic preganglionic neurons revealed by simultaneous recordings. *Hypertension Research*, **2008**, 31, 1445-54	4.7	33
192	Calbindin-immunoreactive neurons in the reticular formation of the rat brainstem: catecholamine content and spinal projections. *Journal of Comparative Neurology*, **2000**, 424, 547-62	3.4	33
191	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
190	GABA- and glutamate-immunoreactive synapses on sympathetic preganglionic neurons projecting to the superior cervical ganglion. *Journal of the Autonomic Nervous System*, **1998**, 71, 96-110		32
189	A novel pressor area at the medullo-cervical junction that is not dependent on the RVLM: efferent pathways and chemical mediators. *Journal of Neuroscience*, **2006**, 26, 5420-7	6.6	32
188	Hypotension and short-term anaesthesia induce ERK1/2 phosphorylation in autonomic nuclei of the brainstem. *European Journal of Neuroscience*, **2005**, 22, 2257-70	3.5	32

187	Disinhibition of the rostral ventral medulla increases blood pressure and Fos expression in bulbospinal neurons. *Brain Research*, **1994**, 646, 44-52	3.7	32
186	Intracellular recording from sympathetic preganglionic neurons in cat lumbar spinal cord. *Brain Research*, **1994**, 656, 319-28	3.7	31
185	ANTISENSE oligonucleotides: a new tool in neuroscience. *Clinical and Experimental Pharmacology and Physiology*, **1994**, 21, 935-44	3	31
184	Serotonin inputs to rabbit sympathetic preganglionic neurons projecting to the superior cervical ganglion or adrenal medulla. *Journal of Comparative Neurology*, **1995**, 353, 427-38	3.4	31
183	Circulating angiotensin II attenuates the sympathetic baroreflex by reducing the barosensitivity of medullary cardiovascular neurones in the rat. *Journal of Physiology*, **2007**, 582, 711-22	3.9	30
182	Sympathetic preganglionic neurons in rabbit spinal cord that project to the stellate or the superior cervical ganglion. *Brain Research*, **1992**, 577, 181-8	3.7	30
181	Rostral ventral medulla 5-HT1A receptors selectively inhibit the somatosympathetic reflex. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2001**, 280, R1261-8	3.2	29
180	Bulbospinal neuropeptide Y-immunoreactive neurons in the rat: comparison with adrenaline-synthesising neurons. *Journal of the Autonomic Nervous System*, **1994**, 47, 233-43		29
179	Projections from inspiratory neurons of the ventral respiratory group to the subretrofacial nucleus of the cat. *Brain Research*, **1994**, 633, 63-71	3.7	29
178	Orexin and central regulation of cardiorespiratory system. *Vitamins and Hormones*, **2012**, 89, 159-84	2.5	28
177	Retrograde projections to a discrete apneic site in the midline medulla oblongata of the rat. *Brain Research*, **2008**, 1208, 128-36	3.7	28
176	Presynaptic delta opioid receptors differentially modulate rhythm and pattern generation in the ventral respiratory group of the rat. *Neuroscience*, **2003**, 121, 959-73	3.9	28
175	NK1 receptor activation in rat rostral ventrolateral medulla selectively attenuates somato-sympathetic reflex while antagonism attenuates sympathetic chemoreflex. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R1707-15	3.2	28
174	Thyrotropin-releasing hormone inputs are preferentially directed towards respiratory motoneurons in rat nucleus ambiguus. *Journal of Comparative Neurology*, **1995**, 362, 320-30	3.4	28
173	Central serotonergic mechanisms in cardiovascular regulation. *Cardiovascular Drugs and Therapy*, **1990**, 4 Suppl 1, 27-32	3.9	28
172	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
171	Galanin microinjection into rostral ventrolateral medulla of the rat is hypotensive and attenuates sympathetic chemoreflex. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2009**, 296, R1019-26	3.2	27
170	Effects of baroreceptor activation on respiratory variability in rat. *Respiratory Physiology and Neurobiology*, **2009**, 166, 80-6	2.8	27

169	Impaired serotonergic regulation of heart rate may underlie reduced baroreflex sensitivity in an animal model of depression. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H474-80	5.2	27
168	Impaired cardiac and sympathetic autonomic control in rats differing in acetylcholine receptor sensitivity. *American Journal of Physiology - Heart and Circulatory Physiology*, **2005**, 289, H1985-92	5.2	27
167	Sympathoexcitation following intermittent hypoxia in rat is mediated by circulating angiotensin II acting at the carotid body and subfornical organ. *Journal of Physiology*, **2018**, 596, 3217-3232	3.9	26
166	Catestatin in rat RVLM is sympathoexcitatory, increases barosensitivity, and attenuates chemosensitivity and the somatosympathetic reflex. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 299, R1538-45	3.2	26
165	Vesicle shape and amino acids in synaptic inputs to phrenic motoneurons: do all inputs contain either glutamate or GABA?. *Journal of Comparative Neurology*, **1996**, 373, 200-19	3.4	26
164	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
163	Central neurons and neurotransmitters in the control of blood pressure. *Clinical and Experimental Pharmacology and Physiology*, **1994**, 21, 819-29	3	25
162	. *IEEE Transactions on Microwave Theory and Techniques*, **2014**, 62, 1890-1897	4.1	24
161	The temporal relationship between non-respiratory burst activity of expiratory laryngeal motoneurons and phrenic apnoea during stimulation of the superior laryngeal nerve in rat. *Journal of Physiology*, **2011**, 589, 1819-30	3.9	24
160	A mapping study of cardiorespiratory responses to chemical stimulation of the midline medulla oblongata in ventilated and freely breathing rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2004**, 287, R411-21	3.2	24
159	Lateralisation of projections from the rostral ventrolateral medulla to sympathetic preganglionic neurons in the rat. *Brain Research*, **2002**, 929, 181-90	3.7	24
158	NK1 receptor and the ventral medulla of the rat: bulbospinal and catecholaminergic neurons. *NeuroReport*, **2001**, 12, 3663-7	1.7	24
157	Bulbospinal sympatho-excitatory neurons in the rat caudal raphe. *Journal of Hypertension*, **1995**, 13, 1618-?1623	3.?	24
156	Microinjection of kainic acid into the rostral ventrolateral medulla causes hypertension and release of neuropeptide Y-like immunoreactivity from rabbit spinal cord. *Clinical and Experimental Pharmacology and Physiology*, **1987**, 14, 127-32	3	24
155	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
154	Neurokinin-1 receptor-immunoreactive sympathetic preganglionic neurons: target specificity and ultrastructure. *Neuroscience*, **1997**, 77, 1137-49	3.9	23
153	Somatic nerve stimulation evokes qualitatively different somatosympathetic responses in the cervical and splanchnic sympathetic nerves in the rat. *Brain Research*, **2008**, 1217, 139-47	3.7	23
152	AMPA/kainate receptors mediate sympathetic chemoreceptor reflex in the rostral ventrolateral medulla. *Brain Research*, **1996**, 726, 64-68	3.7	23

151	Synapses on axons of sympathetic preganglionic neurons in rat and rabbit thoracic spinal cord. *Journal of Comparative Neurology*, **1995**, 354, 193-208	3.4	23
150	Catestatin, a chromogranin A-derived peptide, is sympathoinhibitory and attenuates sympathetic barosensitivity and the chemoreflex in rat CVLM. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2012**, 302, R365-72	3.2	22
149	Angiotensin II evokes hypotension and renal sympathoinhibition from a highly restricted region in the nucleus tractus solitarii. *Brain Research*, **2005**, 1036, 70-6	3.7	22
148	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
147	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
146	The role of PACAP in central cardiorespiratory regulation. *Respiratory Physiology and Neurobiology*, **2010**, 174, 65-75	2.8	21
145	The effects of baroreceptor stimulation on central respiratory drive: a review. *Respiratory Physiology and Neurobiology*, **2010**, 174, 37-42	2.8	21
144	Central serotonergic mechanisms in hypertension. *American Journal of Hypertension*, **1988**, 1, 79-83	2.3	21
143	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
142	Mechanism of sympathetic activation and blood pressure elevation in humans and animals following acute intermittent hypoxia. *Progress in Brain Research*, **2014**, 209, 131-46	2.9	20
141	Acute intermittent hypoxia induced neural plasticity in respiratory motor control. *Clinical and Experimental Pharmacology and Physiology*, **2013**, 40, 602-9	3	20
140	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
139	GABA A mediated inhibition and post-inspiratory pattern of laryngeal constrictor motoneurons in rat. *Respiratory Physiology and Neurobiology*, **2008**, 162, 41-7	2.8	20
138	Hypercapnia selectively attenuates the somato-sympathetic reflex. *Respiratory Physiology and Neurobiology*, **2004**, 140, 133-43	2.8	20
137	Serotonin inputs to laryngeal constrictor motoneurons in the rat. *Laryngoscope*, **2005**, 115, 105-9	3.6	20
136	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
135	Brainstem galanin-synthesizing neurons are differentially activated by chemoreceptor stimuli and represent a subpopulation of respiratory neurons. *Journal of Comparative Neurology*, **2012**, 520, 154-73	3.4	19
134	Peptides, serotonin, and breathing: the role of the raphe in the control of respiration. *Progress in Brain Research*, **2014**, 209, 169-89	2.9	19

133	Catestatin attenuates the effects of intrathecal nicotine and isoproterenol. *Brain Research*, **2009**, 1305, 86-95	3.7	19
132	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
131	Galanin microinjection into the PreBötzinger or the Bötzinger Complex terminates central inspiratory activity and reduces responses to hypoxia and hypercapnia in rat. *Respiratory Physiology and Neurobiology*, **2009**, 167, 299-306	2.8	18
130	Firing patterns of pre-Bötzinger and Bötzinger neurons during hypocapnia in the adult rat. *Brain Research*, **2001**, 903, 198-206	3.7	18
129	Pre-embedding staining for GAD67 versus postembedding staining for GABA as markers for central GABAergic terminals. *Journal of Histochemistry and Cytochemistry*, **1998**, 46, 1261-8	3.4	18
128	Thyrotropin-releasing hormone immunoreactive boutons form close appositions with medullary expiratory neurons in the rat. *Brain Research*, **1996**, 715, 136-44	3.7	18
127	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
126	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
125	Maintenance of sympathetic tone by a nickel chloride-sensitive mechanism in the rostral ventrolateral medulla of the adult rat. *Neuroscience*, **2003**, 116, 455-64	3.9	17
124	Dual fluorescence combined with a two-color immunoperoxidase technique: a new way of visualizing diverse neuronal elements. *Journal of Neuroscience Methods*, **1991**, 36, 185-93	3	17
123	Amino acid neurotransmitters in the central control of blood pressure and in experimental hypertension. *Journal of Hypertension*, **1992**, 10, S27???38	1.9	17
122	Intrathecal neurotensin is hypotensive, sympathoinhibitory and enhances the baroreflex in anaesthetized rat. *British Journal of Pharmacology*, **2012**, 166, 378-89	8.6	16
121	Recurrent laryngeal nerve activity exhibits a 5-HT-mediated long-term facilitation and enhanced response to hypoxia following acute intermittent hypoxia in rat. *Journal of Applied Physiology*, **2012** , 112, 1144-56	3.7	16
120	Identifying neurons in the preBötzinger complex that generate respiratory rhythm: visualizing the ghost in the machine. *Journal of Comparative Neurology*, **2001**, 434, 125-7	3.4	16
119	The use of microinjected colloidal gold and immunocytochemistry to localise pressor sites in the rostral medulla oblongata of the rat. *Neuroscience Letters*, **1987**, 77, 125-30	3.3	16
118	Antisense to thyrotropin releasing hormone receptor reduces arterial blood pressure in spontaneously hypertensive rats. *Circulation Research*, **1995**, 77, 679-83	15.7	16
117	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
116	Neuropeptide Y in the rostral ventrolateral medulla blocks somatosympathetic reflexes in anesthetized rats. *Autonomic Neuroscience: Basic and Clinical*, **2008**, 142, 64-70	2.4	15

115	A monosynaptic connection between baroinhibited neurons in the RVLM and IML in Sprague-Dawley rats. *Brain Research*, **2006**, 1089, 153-61	3.7	15
114	Substance P inputs to laryngeal motoneurons in the rat. *Respiratory Physiology and Neurobiology*, **2003**, 137, 11-8	2.8	15
113	Delta opioid receptor immunoreactive boutons appose bulbospinal CI neurons in the rat. *NeuroReport*, **2000**, 11, 887-91	1.7	15
112	Activation of spinal opioid receptors contributes to hypotension after hemorrhage in conscious rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **1999**, 276, H1552-8	5.2	15
111	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
110	Sympathetic premotor neurones project to and are influenced by neurones in the contralateral rostral ventrolateral medulla of the rat in vivo. *Brain Research*, **2012**, 1439, 34-43	3.7	14
109	Neuronal mechanisms underlying the laryngeal adductor reflex. *Annals of Otology, Rhinology and Laryngology*, **2011**, 120, 755-60	2.1	14
108	Cholinergic inputs to laryngeal motoneurons functionally identified in vivo in rat: a combined electrophysiological and microscopic study. *Journal of Comparative Neurology*, **2010**, 518, 4903-16	3.4	14
107	Phosphorylated extracellular signal-regulated kinase 1/2 immunoreactivity identifies a novel subpopulation of sympathetic preganglionic neurons. *Neuroscience*, **2005**, 133, 583-90	3.9	14
106	Respiratory inputs to central cardiovascular neurons. *Annals of the New York Academy of Sciences*, **1996**, 783, 64-70	6.5	14
105	Ultrastructural evidence for GABA-mediated disinhibitory circuits in the spinal cord of the cat. *Neuroscience Letters*, **1992**, 138, 183-7	3.3	14
104	Axonal projections from respiratory centres towards the rostral ventrolateral medulla in the rat. *Clinical and Experimental Pharmacology and Physiology*, **1992**, 19, 335-8	3	14
103	Respiratory activity of the rat posterior cricoarytenoid muscle. *Annals of Otology, Rhinology and Laryngology*, **1997**, 106, 897-901	2.1	13
102	Control of sympathetic, respiratory and somatomotor outflow by an intraspinal pattern generator. *Clinical and Experimental Pharmacology and Physiology*, **2008**, 35, 447-53	3	13
101	Congenital bilateral vocal cord paralysis and the role of glycine. *Annals of Otology, Rhinology and Laryngology*, **2005**, 114, 494-8	2.1	13
100	Substance P-immunoreactive boutons closely appose inspiratory protruder hypoglossal motoneurons in the cat. *Brain Research*, **1999**, 834, 155-9	3.7	13
99	There are few catecholamine- or neuropeptide Y-containing synapses in the intermediolateral cell column of rat thoracic spinal cord. *Clinical and Experimental Pharmacology and Physiology*, **1991**, 18, 111-3	3	13
98	Acetylcholinesterase in neural tube defects: a model using chick embryo amniotic fluid. *Neuroscience*, **1982**, 7, 1203-14	3.9	13

97	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
96	Differential muscarinic receptor gene expression levels in the ventral medulla of spontaneously hypertensive and Wistar-Kyoto rats: role in sympathetic baroreflex function. *Journal of Hypertension*, **2009**, 27, 1001-8	1.9	12
95	Phosphate-activated glutaminase immunoreactivity in brainstem respiratory neurons. *Journal of the Autonomic Nervous System*, **1997**, 63, 85-90		12
94	Identification of posterior cricoarytenoid motoneurons in the rat. *Annals of Otology, Rhinology and Laryngology*, **1999**, 108, 1033-41	2.1	12
93	Neurokinin-1 receptors and spinal cord control of blood pressure in spontaneously hypertensive rats. *Brain Research*, **1999**, 815, 116-20	3.7	12
92	Kainic acid injection in NTS evokes hypertension and c-fos expression in spinal cord. *NeuroReport*, **1992**, 3, 437-40	1.7	12
91	Do pressor neurons in the ventrolateral medulla release amines and neuropeptides?. *Canadian Journal of Physiology and Pharmacology*, **1987**, 65, 1598-604	2.4	12
90	Sex differences in the expression of serotonin-synthesizing enzymes in mouse trigeminal ganglia. *Neuroscience*, **2011**, 199, 429-37	3.9	11
89	Intrathecal neuromedin U induces biphasic effects on sympathetic vasomotor tone, increases respiratory drive and attenuates sympathetic reflexes in rat. *British Journal of Pharmacology*, **2011**, 164, 617-31	8.6	11
88	Respiration-Related Laryngeal Electromyography in Children with Bilateral Vocal Fold Paralysis. *Annals of Otology, Rhinology and Laryngology*, **2009**, 118, 791-795	2.1	11
87	Effect of haemorrhage on the expression of neurotransmitter-related genes in rat ventrolateral medulla: a quantitative real-time RT-PCR study. *Molecular Brain Research*, **2003**, 114, 46-54		11
86	Differential expression of catecholamine synthetic enzymes in the caudal ventral pons. *Journal of Comparative Neurology*, **2001**, 438, 457-67	3.4	11
85	Neuropeptide Y in the sympathetic control of blood pressure in hypertensive subjects. *Clinical and Experimental Hypertension*, **1989**, 11 Suppl 1, 59-66		11
84	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
83	Asymmetrical changes in lumbar sympathetic nerve activity following stimulation of the sciatic nerve in rat. *Brain Research*, **2011**, 1391, 60-70	3.7	10
82	Response of laryngeal motoneurons to hyperventilation induced apnea in the rat. *Respiratory Physiology and Neurobiology*, **2005**, 146, 155-63	2.8	10
81	Spinal GABA(A) receptors do not mediate the sympathetic baroreceptor reflex in the rat. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2000**, 279, R320-31	3.2	10
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