

# Ruth L Stornetta

## List of Publications by Year in descending order

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150  
papers

14,224  
citations

16411

64  
h-index

22102

113  
g-index

152  
all docs

152  
docs citations

152  
times ranked

8146  
citing authors

#	ARTICLE	IF	CITATIONS
1	The sympathetic control of blood pressure. <i>Nature Reviews Neuroscience</i> , 2006, 7, 335-346.	4.9	1,535
2	Respiratory control by ventral surface chemoreceptor neurons in rats. <i>Nature Neuroscience</i> , 2004, 7, 1360-1369.	7.1	486
3	Neural Control of Breathing and CO2 Homeostasis. <i>Neuron</i> , 2015, 87, 946-961.	3.8	340
4	Topographic organization of convergent projections to the thalamus from the inferior colliculus and spinal cord in the rat. <i>Journal of Comparative Neurology</i> , 1987, 264, 123-146.	0.9	336
5	Expression of Phox2b by Brainstem Neurons Involved in Chemosensory Integration in the Adult Rat. <i>Journal of Neuroscience</i> , 2006, 26, 10305-10314.	1.7	311
6	The organization of two new cortical interneuronal circuits. <i>Nature Neuroscience</i> , 2013, 16, 210-218.	7.1	288
7	Peripheral chemoreceptor inputs to retrotrapezoid nucleus (RTN) CO2-sensitive neurons in rats. <i>Journal of Physiology</i> , 2006, 572, 503-523.	1.3	273
8	Regulation of Breathing and Autonomic Outflows by Chemoreceptors. , 2014, 4, 1511-1562.		248
9	Afferent and efferent connections of the A5 noradrenergic cell group in the rat. <i>Journal of Comparative Neurology</i> , 1987, 261, 529-542.	0.9	243
10	Identification of C1 presympathetic neurons in rat rostral ventrolateral medulla by juxtacellular labeling in vivo. , 1997, 387, 524-536.		240
11	Vagus nerve stimulation mediates protection from kidney ischemia-reperfusion injury through $\text{I}\pm\text{7nAChR+}$ splenocytes. <i>Journal of Clinical Investigation</i> , 2016, 126, 1939-1952.	3.9	225
12	Afferent and efferent connections of the rat retrotrapezoid nucleus. <i>Journal of Comparative Neurology</i> , 2006, 499, 64-89.	0.9	224
13	Hypothalamic orexin (hypocretin) neurons express vesicular glutamate transporters VGLUT1 or VGLUT2. <i>Journal of Comparative Neurology</i> , 2003, 465, 593-603.	0.9	221
14	C1 neurons: the body's EMTs. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R187-R204.	0.9	219
15	Neurokinin-1 receptor-immunoreactive neurons of the ventral respiratory group in the rat. <i>Journal of Comparative Neurology</i> , 2001, 434, 128-146.	0.9	208
16	Vesicular glutamate transporter DNPI/VGLUT2 mRNA is present in C1 and several other groups of brainstem catecholaminergic neurons. <i>Journal of Comparative Neurology</i> , 2002, 444, 191-206.	0.9	207
17	Neural structures that mediate sympathoexcitation during hypoxia. <i>Respiration Physiology</i> , 2000, 121, 147-162.	2.8	202
18	Anatomical substrates of cholinergic-autonomic regulation in the rat. <i>Journal of Comparative Neurology</i> , 1990, 292, 1-53.	0.9	199

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19	Central respiratory chemoreception. <i>Journal of Comparative Neurology</i> , 2010, 518, 3883-3906.	0.9	199
20	A group of glutamatergic interneurons expressing high levels of both neurokinin-1 receptors and somatostatin identifies the region of the pre-Bötzing complex. <i>Journal of Comparative Neurology</i> , 2003, 455, 499-512.	0.9	197
21	Regulation of breathing by CO <sub>2</sub> requires the proton-activated receptor GPR4 in retrotrapezoid nucleus neurons. <i>Science</i> , 2015, 348, 1255-1260.	6.0	190
22	Vesicular glutamate transporter DNPI/VGLUT2 is expressed by both C1 adrenergic and nonaminergic presympathetic vasomotor neurons of the rat medulla. <i>Journal of Comparative Neurology</i> , 2002, 444, 207-220.	0.9	172
23	The Baroreflex And Beyond: Control Of Sympathetic Vasomotor Tone By Gabaergic Neurons In The Ventrolateral Medulla. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2002, 29, 514-521.	0.9	168
24	Serotonergic Raphe Neurons Express TASK Channel Transcripts and a TASK-Like pH- and Halothane-Sensitive K <sup>+</sup> Conductance. <i>Journal of Neuroscience</i> , 2002, 22, 1256-1265.	1.7	144
25	State-dependent Ras signaling and AMPA receptor trafficking. <i>Genes and Development</i> , 2005, 19, 2000-2015.	2.7	144
26	Sympathoexcitatory neurons of rostral ventrolateral medulla exhibit pacemaker properties in the presence of a glutamate-receptor antagonist. <i>Brain Research</i> , 1988, 438, 23-40.	1.1	143
27	C1 neurons mediate a stress-induced anti-inflammatory reflex in mice. <i>Nature Neuroscience</i> , 2017, 20, 700-707.	7.1	142
28	The 2008 Carl Ludwig Lecture: retrotrapezoid nucleus, CO <sub>2</sub> homeostasis, and breathing automaticity. <i>Journal of Applied Physiology</i> , 2008, 105, 404-416.	1.2	136
29	Distribution of glutamic acid decarboxylase mRNA-containing neurons in rat medulla projecting to thoracic spinal cord in relation to monoaminergic brainstem neurons. <i>Journal of Comparative Neurology</i> , 1999, 407, 367-380.	0.9	132
30	Mechanism of the Hypotensive Action of Anandamide in Anesthetized Rats. <i>Hypertension</i> , 1996, 28, 682-686.	1.3	132
31	Evidence for glycinergic respiratory neurons: Bötzinger neurons express mRNA for glycinergic transporter 2. <i>Journal of Comparative Neurology</i> , 1999, 407, 583-597.	0.9	131
32	Retrotrapezoid nucleus and central chemoreception. <i>Journal of Physiology</i> , 2008, 586, 2043-2048.	1.3	131
33	Ras and Rap Signaling in Synaptic Plasticity and Mental Disorders. <i>Neuroscientist</i> , 2011, 17, 54-78.	2.6	131
34	The Retrotrapezoid Nucleus: Central Chemoreceptor and Regulator of Breathing Automaticity. <i>Trends in Neurosciences</i> , 2019, 42, 807-824.	4.2	129
35	Ventrolateral medulla and sympathetic chemoreflex in the rat. <i>Brain Research</i> , 1993, 609, 174-184.	1.1	127
36	Regulation of sympathetic tone and arterial pressure by rostral ventrolateral medulla after depletion of C1 cells in rat. <i>Journal of Physiology</i> , 2000, 529, 221-236.	1.3	127

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37	Serotonergic Neurons Activate Chemosensitive Retrotrapezoid Nucleus Neurons by a pH-Independent Mechanism. <i>Journal of Neuroscience</i> , 2007, 27, 14128-14138.	1.7	127
38	Central nervous system distribution of the transcription factor Phox2b in the adult rat. <i>Journal of Comparative Neurology</i> , 2007, 503, 627-641.	0.9	124
39	Autonomic areas of rat brain exhibit increased Fos-like immunoreactivity during opiate withdrawal in rats. <i>Brain Research</i> , 1993, 624, 19-28.	1.1	122
40	Neurokinin-1 Receptor-Expressing Cells of the Ventral Respiratory Group Are Functionally Heterogeneous and Predominantly Glutamatergic. <i>Journal of Neuroscience</i> , 2002, 22, 3806-3816.	1.7	122
41	Central chemoreceptors and sympathetic vasomotor outflow. <i>Journal of Physiology</i> , 2006, 577, 369-386.	1.3	119
42	Selective lesion of retrotrapezoid Phox2b-expressing neurons raises the apnoeic threshold in rats. <i>Journal of Physiology</i> , 2008, 586, 2975-2991.	1.3	119
43	Properties of C1 and other ventrolateral medullary neurones with hypothalamic projections in the rat. <i>Journal of Physiology</i> , 1999, 517, 477-494.	1.3	118
44	Water deprivation activates a glutamatergic projection from the hypothalamic paraventricular nucleus to the rostral ventrolateral medulla. <i>Journal of Comparative Neurology</i> , 2006, 494, 673-685.	0.9	117
45	Acid sensitivity and ultrastructure of the retrotrapezoid nucleus in Phox2b-EGFP transgenic mice. <i>Journal of Comparative Neurology</i> , 2009, 517, 69-86.	0.9	115
46	Pre-Bötzinger Neurons With Preinspiratory Discharges <i>in Vivo</i> Express NK1 Receptors in the Rat. <i>Journal of Neurophysiology</i> , 2001, 86, 438-446.	0.9	112
47	Central CO <sub>2</sub> chemoreception and integrated neural mechanisms of cardiovascular and respiratory control. <i>Journal of Applied Physiology</i> , 2010, 108, 995-1002.	1.2	109
48	Photostimulation of channelrhodopsin-2 expressing ventrolateral medullary neurons increases sympathetic nerve activity and blood pressure in rats. <i>Journal of Physiology</i> , 2009, 587, 5613-5631.	1.3	101
49	TASK-2 Channels Contribute to pH Sensitivity of Retrotrapezoid Nucleus Chemoreceptor Neurons. <i>Journal of Neuroscience</i> , 2013, 33, 16033-16044.	1.7	98
50	Location and electrophysiological characterization of rostral medullary adrenergic neurons that contain neuropeptide Y mRNA in rat medulla. , 1999, 415, 482-500.		93
51	Retrotrapezoid nucleus, respiratory chemosensitivity and breathing automaticity. <i>Respiratory Physiology and Neurobiology</i> , 2009, 168, 59-68.	0.7	87
52	Pre-Bötzinger complex receives glutamatergic innervation from galaninergic and other retrotrapezoid nucleus neurons. <i>Journal of Comparative Neurology</i> , 2012, 520, 1047-1061.	0.9	86
53	Phox2b-Expressing Retrotrapezoid Neurons Are Intrinsically Responsive to H <sup>+</sup> and CO <sub>2</sub> . <i>Journal of Neuroscience</i> , 2013, 33, 7756-7761.	1.7	86
54	Sympathetic reflexes after depletion of bulbospinal catecholaminergic neurons with anti-D <sup>1</sup> H-saporin. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 279, R729-R742.	0.9	85

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55	Retrotrapezoid nucleus and parafacial respiratory group. <i>Respiratory Physiology and Neurobiology</i> , 2010, 173, 244-255.	0.7	85
56	Photostimulation of Phox2b Medullary Neurons Activates Cardiorespiratory Function in Conscious Rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 1184-1194.	2.5	80
57	Depressor and Tachypneic Responses to Chemical Stimulation of the Ventral Respiratory Group Are Reduced by Ablation of Neurokinin-1 Receptor-Expressing Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 3755-3764.	1.7	79
58	Fos expression by glutamatergic neurons of the solitary tract nucleus after phenylephrine-induced hypertension in rats. <i>Journal of Comparative Neurology</i> , 2003, 460, 525-541.	0.9	79
59	Baro-Activated Neurons With Pulse-Modulated Activity in the Rat Caudal Ventrolateral Medulla Express GAD67 mRNA. <i>Journal of Neurophysiology</i> , 2003, 89, 1265-1277.	0.9	78
60	Optogenetic Stimulation of Adrenergic C1 Neurons Causes Sleep State-Dependent Cardiorespiratory Stimulation and Arousal with Sighs in Rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 1301-1310.	2.5	77
61	Preproenkephalin mRNA is expressed by C1 and non-C1 barosensitive bulbospinal neurons in the rostral ventrolateral medulla of the rat. <i>Journal of Comparative Neurology</i> , 2001, 435, 111-126.	0.9	75
62	Coexpression of vesicular glutamate transporter-3 and $\hat{1}^3$ -aminobutyric acidergic markers in rat rostral medullary raphe and intermediolateral cell column. <i>Journal of Comparative Neurology</i> , 2005, 492, 477-494.	0.9	75
63	Angiotensin II Decreases a Resting K <sup>+</sup> Conductance in Rat Bulbospinal Neurons of the C1 Area. <i>Circulation Research</i> , 1996, 78, 274-282.	2.0	74
64	Inspiratory augmenting bulbospinal neurons express both glutamatergic and enkephalinergic phenotypes. <i>Journal of Comparative Neurology</i> , 2003, 455, 113-124.	0.9	73
65	GABAergic Neurons in the Central Region of the Spinal Cord: A Novel Substrate for Sympathetic Inhibition. <i>Journal of Neuroscience</i> , 2005, 25, 1063-1070.	1.7	73
66	Proton detection and breathing regulation by the retrotrapezoid nucleus. <i>Journal of Physiology</i> , 2016, 594, 1529-1551.	1.3	73
67	State-dependent control of breathing by the retrotrapezoid nucleus. <i>Journal of Physiology</i> , 2015, 593, 2909-2926.	1.3	72
68	Purinergic P2 Receptors Modulate Excitability But Do Not Mediate pH Sensitivity of RTN Respiratory Chemoreceptors. <i>Journal of Neuroscience</i> , 2006, 26, 7230-7233.	1.7	71
69	GABAergic and glycinergic presympathetic neurons of rat medulla oblongata identified by retrograde transport of pseudorabies virus and in situ hybridization. <i>Journal of Comparative Neurology</i> , 2004, 479, 257-270.	0.9	68
70	Anesthetic Activation of Central Respiratory Chemoreceptor Neurons Involves Inhibition of a THIK-1-Like Background K <sup>+</sup> Current. <i>Journal of Neuroscience</i> , 2010, 30, 9324-9334.	1.7	67
71	Inhibitory input from slowly adapting lung stretch receptors to retrotrapezoid nucleus chemoreceptors. <i>Journal of Physiology</i> , 2007, 580, 285-300.	1.3	66
72	Nalcn Is a "Leak" Sodium Channel That Regulates Excitability of Brainstem Chemosensory Neurons and Breathing. <i>Journal of Neuroscience</i> , 2016, 36, 8174-8187.	1.7	66

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73	Silent hypoxaemia in COVID-19 patients. <i>Journal of Physiology</i> , 2021, 599, 1057-1065.	1.3	64
74	Neuromedin B Expression Defines the Mouse Retrotrapezoid Nucleus. <i>Journal of Neuroscience</i> , 2017, 37, 11744-11757.	1.7	61
75	Hypoxia Silences Retrotrapezoid Nucleus Respiratory Chemoreceptors via Alkalosis. <i>Journal of Neuroscience</i> , 2015, 35, 527-543.	1.7	60
76	Neurochemistry of bulbospinal presympathetic neurons of the medulla oblongata. <i>Journal of Chemical Neuroanatomy</i> , 2009, 38, 222-230.	1.0	57
77	Blood Pressure Regulation by the Rostral Ventrolateral Medulla in Conscious Rats: Effects of Hypoxia, Hypercapnia, Baroreceptor Denervation, and Anesthesia. <i>Journal of Neuroscience</i> , 2017, 37, 4565-4583.	1.7	57
78	Glutamatergic neuronal projections from the marginal layer of the rostral ventral medulla to the respiratory centers in rats. <i>Journal of Comparative Neurology</i> , 2004, 473, 73-85.	0.9	56
79	Pre- and Postsynaptic Inhibitory Actions of Methionine-Enkephalin on Identified Bulbospinal Neurons of the Rat RVL. <i>Journal of Neurophysiology</i> , 1998, 80, 2003-2014.	0.9	55
80	Vagus nerve stimulation activates two distinct neuroimmune circuits converging in the spleen to protect mice from kidney injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	55
81	Central Autonomic System. , 2015, , 629-673.		54
82	Neuronal Networks in Hypertension. <i>Hypertension</i> , 2020, 76, 300-311.	1.3	54
83	Cholinergic neurons in the mouse rostral ventrolateral medulla target sensory afferent areas. <i>Brain Structure and Function</i> , 2013, 218, 455-475.	1.2	53
84	Optogenetic Stimulation of C1 and Retrotrapezoid Nucleus Neurons Causes Sleep State-Dependent Cardiorespiratory Stimulation and Arousal in Rats. <i>Hypertension</i> , 2013, 61, 835-841.	1.3	53
85	Rostral Ventrolateral Medulla and Hypertension. <i>Hypertension</i> , 2018, 72, 559-566.	1.3	53
86	Orexin A activates retrotrapezoid neurons in mice. <i>Respiratory Physiology and Neurobiology</i> , 2011, 175, 283-287.	0.7	52
87	Distribution of glutamic acid decarboxylase mRNA-containing neurons in rat medulla projecting to thoracic spinal cord in relation to monoaminergic brainstem neurons. <i>Journal of Comparative Neurology</i> , 1999, 407, 367-80.	0.9	52
88	Activation of the retrotrapezoid nucleus by posterior hypothalamic stimulation. <i>Journal of Physiology</i> , 2009, 587, 5121-5138.	1.3	50
89	Galanin is a selective marker of the retrotrapezoid nucleus in rats. <i>Journal of Comparative Neurology</i> , 2009, 512, 373-383.	0.9	49
90	The role of pH-sensitive TASK channels in central respiratory chemoreception. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 917-929.	1.3	48

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91	Ca <sub>v</sub> 3.2 calcium channels control NMDA receptor-mediated transmission: a new mechanism for absence epilepsy. <i>Genes and Development</i> , 2015, 29, 1535-1551.	2.7	48
92	Pharmacological rescue of Ras signaling, GluA1-dependent synaptic plasticity, and learning deficits in a fragile X model. <i>Genes and Development</i> , 2014, 28, 273-289.	2.7	47
93	Breathing regulation and blood gas homeostasis after near complete lesions of the retrotrapezoid nucleus in adult rats. <i>Journal of Physiology</i> , 2018, 596, 2521-2545.	1.3	47
94	Cardiorespiratory neurons of the rat ventrolateral medulla contain TASK-1 and TASK-3 channel mRNA. <i>Respiratory Physiology and Neurobiology</i> , 2003, 138, 19-35.	0.7	45
95	The Retrotrapezoid Nucleus and Breathing. <i>Advances in Experimental Medicine and Biology</i> , 2012, 758, 115-122.	0.8	42
96	GABAergic Pump Cells of Solitary Tract Nucleus Innervate Retrotrapezoid Nucleus Chemoreceptors. <i>Journal of Neurophysiology</i> , 2007, 98, 374-381.	0.9	41
97	Regulation of visceral sympathetic tone by A5 noradrenergic neurons in rodents. <i>Journal of Physiology</i> , 2011, 589, 903-917.	1.3	41
98	Voltage-Dependent Calcium Currents in Bulbosplinal Neurons of Neonatal Rat Rostral Ventrolateral Medulla: Modulation by $\alpha_2$ -Adrenergic Receptors. <i>Journal of Neurophysiology</i> , 1998, 79, 583-594.	0.9	40
99	Interdependent feedback regulation of breathing by the carotid bodies and the retrotrapezoid nucleus. <i>Journal of Physiology</i> , 2018, 596, 3029-3042.	1.3	40
100	The orexinergic neurons receive synaptic input from C1 cells in rats. <i>Journal of Comparative Neurology</i> , 2014, 522, 3834-3846.	0.9	39
101	Transneuronal mapping of the CNS network controlling sympathetic outflow to the rat thymus. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007, 131, 9-20.	1.4	38
102	$\mu$ -opioid receptors are present in functionally identified sympathoexcitatory neurons in the rat rostral ventrolateral medulla. <i>Journal of Comparative Neurology</i> , 2001, 433, 34-47.	0.9	37
103	Non-canonical cholinergic anti-inflammatory pathway-mediated activation of peritoneal macrophages induces Hes1 and blocks ischemia/reperfusion injury in the kidney. <i>Kidney International</i> , 2019, 95, 563-576.	2.6	37
104	Opioid Signalling In The Rat Rostral Ventrolateral Medulla. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2002, 29, 238-242.	0.9	36
105	Chemoreception and asphyxia-induced arousal. <i>Respiratory Physiology and Neurobiology</i> , 2013, 188, 333-343.	0.7	36
106	Afferent and efferent connections of C1 cells with spinal cord or hypothalamic projections in mice. <i>Brain Structure and Function</i> , 2016, 221, 4027-4044.	1.2	36
107	Vesicular glutamate transporter 2 is required for the respiratory and parasympathetic activation produced by optogenetic stimulation of catecholaminergic neurons in the rostral ventrolateral medulla of mice <i>in vivo</i> . <i>European Journal of Neuroscience</i> , 2014, 39, 98-106.	1.2	35
108	Role of presympathetic C1 neurons in the sympatholytic and hypotensive effects of clonidine in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 279, R1753-R1762.	0.9	34



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109	Identification of neurotransmitters and co-localization of transmitters in brainstem respiratory neurons. <i>Respiratory Physiology and Neurobiology</i> , 2008, 164, 18-27.	0.7	34
110	Location and properties of respiratory neurones with putative intrinsic bursting properties in the rat <i>in situ</i> . <i>Journal of Physiology</i> , 2009, 587, 3175-3188.	1.3	33
111	The Retrotrapezoid Nucleus and Central Chemoreception. <i>Advances in Experimental Medicine and Biology</i> , 2008, 605, 327-332.	0.8	32
112	The retrotrapezoid nucleus stimulates breathing by releasing glutamate in adult conscious mice. <i>European Journal of Neuroscience</i> , 2015, 42, 2271-2282.	1.2	31
113	A brainstem peptide system activated at birth protects postnatal breathing. <i>Nature</i> , 2021, 589, 426-430.	13.7	31
114	Activation of 5-Hydroxytryptamine Type 3 Receptor-Expressing C-Fiber Vagal Afferents Inhibits Retrotrapezoid Nucleus Chemoreceptors in Rats. <i>Journal of Neurophysiology</i> , 2007, 98, 3627-3637.	0.9	30
115	Contribution of the Retrotrapezoid Nucleus and Carotid Bodies to Hypercapnia- and Hypoxia-induced Arousal from Sleep. <i>Journal of Neuroscience</i> , 2019, 39, 9725-9737.	1.7	30
116	Decompensated hemorrhage activates serotonergic neurons in the subependymal parapyramidal region of the rat medulla. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 283, R688-R697.	0.9	29
117	Selective optogenetic stimulation of the retrotrapezoid nucleus in sleeping rats activates breathing without changing blood pressure or causing arousal or sighs. <i>Journal of Applied Physiology</i> , 2015, 118, 1491-1501.	1.2	29
118	Differential Contribution of the Retrotrapezoid Nucleus and C1 Neurons to Active Expiration and Arousal in Rats. <i>Journal of Neuroscience</i> , 2020, 40, 8683-8697.	1.7	29
119	C1 neurons: a nodal point for stress?. <i>Experimental Physiology</i> , 2018, 103, 332-336.	0.9	28
120	The respiratory chemoreception conundrum: Light at the end of the tunnel?. <i>Brain Research</i> , 2013, 1511, 126-137.	1.1	26
121	Detection of amino acid and peptide transmitters in physiologically identified brainstem cardiorespiratory neurons. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2004, 114, 1-10.	1.4	22
122	$\hat{\alpha}2$ -Adrenoceptor-mediated presynaptic inhibition in bulbospinal neurons of rostral ventrolateral medulla. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 277, H1069-H1080.	1.5	19
123	Prototypical Imidazoline-1 Receptor Ligand Moxonidine Activates Alpha2-Adrenoceptors in Bulbospinal Neurons of the RVL. <i>Journal of Neurophysiology</i> , 2000, 83, 766-776.	0.9	17
124	Is plasticity within the retrotrapezoid nucleus responsible for the recovery of the setpoint after carotid body denervation in rats?. <i>Journal of Physiology</i> , 2016, 594, 3371-3390.	1.3	16
125	Sciatic nerve stimulation activates the retrotrapezoid nucleus in anesthetized rats. <i>Journal of Neurophysiology</i> , 2016, 116, 2081-2092.	0.9	16
126	The Presympathetic Cells of the Rostral Ventrolateral Medulla (RVLM): Anatomy, Physiology and Role in the Control of Circulation. , 2004, , 187-218.		14



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127	Rostral ventrolateral medulla, retropontine region and autonomic regulations. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2022, 237, 102922.	1.4	14
128	Neurokinin-1 receptor-expressing cells regulate depressor region of rat ventrolateral medulla. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H2757-H2769.	1.5	12
129	Novel two-rhythm generator theory of breathing in mammals. <i>Journal of Physiology</i> , 2006, 570, 207-207.	1.3	12
130	Adrenergic C1 neurons monitor arterial blood pressure and determine the sympathetic response to hemorrhage. <i>Cell Reports</i> , 2022, 38, 110480.	2.9	12
131	Re: Homing in on the specific phenotype(s) of central respiratory chemoreceptors. <i>Experimental Physiology</i> , 2005, 90, 266-268.	0.9	10
132	Putative Mechanism of Salt-Dependent Neurogenic Hypertension. <i>Hypertension</i> , 2017, 69, 20-22.	1.3	8
133	Arcuate Angiotensin II Increases Arterial Pressure via Coordinated Increases in Sympathetic Nerve Activity and Vasopressin Secretion. <i>ENeuro</i> , 2022, 9, ENEURO.0404-21.2021.	0.9	6
134	Bulbospinal CHAdrenergic Neurons: Electrophysiological Properties in the Neonate Rat. <i>Advances in Pharmacology</i> , 1997, 42, 638-641.	1.2	5
135	5-HT7 receptors expressed in the mouse parafacial region are not required for respiratory chemosensitivity. <i>Journal of Physiology</i> , 2022, 600, 2789-2811.	1.3	5
136	The arcuate nucleus: A site of synergism between Angiotensin II and leptin to increase sympathetic nerve activity and blood pressure in rats. <i>Neuroscience Letters</i> , 2022, 785, 136773.	1.0	5
137	Sodium Is Detected by the OVLT to Regulate Sympathetic Tone. <i>Neuron</i> , 2019, 101, 3-5.	3.8	4
138	Nonradioactive In Situ Hybridization in Combination with Tract-Tracing. , 2006, , 237-262.		4
139	Loss of brainstem serotonergic neurons impairs autoresuscitation in neonate rats: is this relevant to the sudden infant death syndrome?. <i>Journal of Physiology</i> , 2011, 589, 5343-5344.	1.3	3
140	The Retrotrapezoid Nucleus and Central Chemoreception. <i>Tzu Chi Medical Journal</i> , 2008, 20, 239-242.	0.4	1
141	Distribution of glutamic acid decarboxylase mRNA-containing neurons in rat medulla projecting to thoracic spinal cord in relation to monoaminergic brainstem neurons. , 0, .		1
142	Distribution of glutamic acid decarboxylase mRNA-containing neurons in rat medulla projecting to thoracic spinal cord in relation to monoaminergic brainstem neurons. , 1999, 407, 367.		1
143	Photostimulation of channelrhodopsin-2-transfected rostral medullary Phox2b-expressing neurons activates breathing in unanesthetized rats. <i>FASEB Journal</i> , 2010, 24, 1026.10.	0.2	1
144	C1 neurons excite locus coeruleus and A5 noradrenergic neurons along with the sympathetic outflow. <i>FASEB Journal</i> , 2011, 25, 1075.13.	0.2	1

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145	Re: Homing in on the specific phenotype(s) of central respiratory chemoreceptors. <i>Experimental Physiology</i> , 2005, 90, 266-268.	0.9	0
146	The dynamic activity of C1 neurons determines the level of blood pressure during hemorrhage in freely behaving rats. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
147	Central chemoreceptors and sympathetic vasomotor outflow. <i>FASEB Journal</i> , 2007, 21, A469.	0.2	0
148	Optogenetic stimulation of C1 neurons activates breathing in mice. <i>FASEB Journal</i> , 2012, 26, .	0.2	0
149	Ablation of neuromedin B (NMB)-expressing neurons located within retrotrapezoid nucleus (RTN) reduces the central respiratory chemoreflex (CRC) selectively in conscious rats. <i>FASEB Journal</i> , 2018, 32, 894.10.	0.2	0
150	Cardiovascular Deficits After Lesions of C1 Adrenergic Neurons With a Saporin-Based Immunotoxin. , 2005, , 219-233.		0