

Thiago S Moreira

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123
papers

2,724
citations

29
h-index

47
g-index

142
ext. papers

3,103
ext. citations

3.5
avg, IF

5.14
L-index

#	Paper	IF	Citations
123	Expression of Phox2b by brainstem neurons involved in chemosensory integration in the adult rat. <i>Journal of Neuroscience</i> , 2006 , 26, 10305-14	6.6	278
122	Peripheral chemoreceptor inputs to retrotrapezoid nucleus (RTN) CO ₂ -sensitive neurons in rats. <i>Journal of Physiology</i> , 2006 , 572, 503-23	3.9	252
121	Serotonergic neurons activate chemosensitive retrotrapezoid nucleus neurons by a pH-independent mechanism. <i>Journal of Neuroscience</i> , 2007 , 27, 14128-38	6.6	114
120	Selective lesion of retrotrapezoid Phox2b-expressing neurons raises the apnoeic threshold in rats. <i>Journal of Physiology</i> , 2008 , 586, 2975-91	3.9	112
119	Central chemoreceptors and sympathetic vasomotor outflow. <i>Journal of Physiology</i> , 2006 , 577, 369-86	3.9	107
118	Central nervous system distribution of the transcription factor Phox2b in the adult rat. <i>Journal of Comparative Neurology</i> , 2007 , 503, 627-41	3.4	103
117	Regulation of ventral surface CO ₂ /H ⁺ -sensitive neurons by purinergic signalling. <i>Journal of Physiology</i> , 2012 , 590, 2137-50	3.9	70
116	Inhibitory input from slowly adapting lung stretch receptors to retrotrapezoid nucleus chemoreceptors. <i>Journal of Physiology</i> , 2007 , 580, 285-300	3.9	63
115	Phox2b-expressing retrotrapezoid neurons and the integration of central and peripheral chemosensory control of breathing in conscious rats. <i>Experimental Physiology</i> , 2014 , 99, 571-85	2.4	57
114	Anesthetic activation of central respiratory chemoreceptor neurons involves inhibition of a THIK-1-like background K(+) current. <i>Journal of Neuroscience</i> , 2010 , 30, 9324-34	6.6	54
113	Pontomedullary and hypothalamic distribution of Fos-like immunoreactive neurons after acute exercise in rats. <i>Neuroscience</i> , 2012 , 212, 120-30	3.9	40
112	Galanin is a selective marker of the retrotrapezoid nucleus in rats. <i>Journal of Comparative Neurology</i> , 2009 , 512, 373-83	3.4	40
111	Ventrolateral medulla mechanisms involved in cardiorespiratory responses to central chemoreceptor activation in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 300, R501-10	3.2	39
110	Central muscarinic receptors signal pilocarpine-induced salivation. <i>Journal of Dental Research</i> , 2003 , 82, 993-7	8.1	39
109	Leptin into the ventrolateral medulla facilitates chemorespiratory response in leptin-deficient (ob/ob) mice. <i>Acta Physiologica</i> , 2014 , 211, 240-8	5.6	38
108	GABAergic pump cells of solitary tract nucleus innervate retrotrapezoid nucleus chemoreceptors. <i>Journal of Neurophysiology</i> , 2007 , 98, 374-81	3.2	38
107	Neuroanatomical and physiological evidence that the retrotrapezoid nucleus/parafacial region regulates expiration in adult rats. <i>Respiratory Physiology and Neurobiology</i> , 2016 , 227, 9-22	2.8	35

106	Regulation of the chemosensory control of breathing by K \ddot{u} liker-Fuse neurons. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 307, R57-67	3.2	35
105	Respiratory deficits in a rat model of Parkinson's disease. <i>Neuroscience</i> , 2015 , 297, 194-204	3.9	34
104	Purinergic signalling contributes to chemoreception in the retrotrapezoid nucleus but not the nucleus of the solitary tract or medullary raphe. <i>Journal of Physiology</i> , 2014 , 592, 1309-23	3.9	34
103	Acute exercise-induced activation of Phox2b-expressing neurons of the retrotrapezoid nucleus in rats may involve the hypothalamus. <i>Neuroscience</i> , 2014 , 258, 355-63	3.9	33
102	The retrotrapezoid nucleus and central chemoreception. <i>Advances in Experimental Medicine and Biology</i> , 2008 , 605, 327-32	3.6	32
101	HCN channels contribute to serotonergic modulation of ventral surface chemosensitive neurons and respiratory activity. <i>Journal of Neurophysiology</i> , 2015 , 113, 1195-205	3.2	31
100	KCNQ channels determine serotonergic modulation of ventral surface chemoreceptors and respiratory drive. <i>Journal of Neuroscience</i> , 2012 , 32, 16943-52	6.6	31
99	Respiratory and autonomic dysfunction in congenital central hypoventilation syndrome. <i>Journal of Neurophysiology</i> , 2016 , 116, 742-52	3.2	31
98	Interaction between the retrotrapezoid nucleus and the parafacial respiratory group to regulate active expiration and sympathetic activity in rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018 , 315, L891-L909	5.8	31
97	Role of the locus coeruleus catecholaminergic neurons in the chemosensory control of breathing in a Parkinson's disease model. <i>Experimental Neurology</i> , 2017 , 293, 172-180	5.7	29
96	Contribution of excitatory amino acid receptors of the retrotrapezoid nucleus to the sympathetic chemoreflex in rats. <i>Experimental Physiology</i> , 2011 , 96, 989-99	2.4	29
95	Purinergic regulation of vascular tone in the retrotrapezoid nucleus is specialized to support the drive to breathe. <i>ELife</i> , 2017 , 6,	8.9	29
94	Antihypertensive effects of central ablations in spontaneously hypertensive rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 296, R1797-806	3.2	28
93	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, 3627-37	3.2	28
92	The involvement of the pathway connecting the substantia nigra, the periaqueductal gray matter and the retrotrapezoid nucleus in breathing control in a rat model of Parkinson's disease. <i>Experimental Neurology</i> , 2018 , 302, 46-56	5.7	25
91	Cardiovascular dysfunction associated with neurodegeneration in an experimental model of Parkinson's disease. <i>Brain Research</i> , 2017 , 1657, 156-166	3.7	24
90	Inhibition of the pontine K \ddot{u} liker-Fuse nucleus reduces genioglossal activity elicited by stimulation of the retrotrapezoid chemoreceptor neurons. <i>Neuroscience</i> , 2016 , 328, 9-21	3.9	24
89	P2Y1 receptors expressed by C1 neurons determine peripheral chemoreceptor modulation of breathing, sympathetic activity, and blood pressure. <i>Hypertension</i> , 2013 , 62, 263-73	8.5	24

88	Control of the central chemoreflex by A5 noradrenergic neurons in rats. <i>Neuroscience</i> , 2011 , 199, 177-863.9	24
87	̑- and ̒-adrenergic receptors in the retrotrapezoid nucleus differentially regulate breathing in anesthetized adult rats. <i>Journal of Neurophysiology</i> , 2016 , 116, 1036-48	3.2 23
86	Depletion of rostral ventrolateral medullary catecholaminergic neurons impairs the hypoxic ventilatory response in conscious rats. <i>Neuroscience</i> , 2017 , 351, 1-14	3.9 21
85	Correlation between neuroanatomical and functional respiratory changes observed in an experimental model of Parkinson's disease. <i>Experimental Physiology</i> , 2018 , 103, 1377-1389	2.4 20
84	Central blockade of nitric oxide synthesis reduces moxonidine-induced hypotension. <i>British Journal of Pharmacology</i> , 2004 , 142, 765-71	8.6 20
83	Chemosensory control by commissural nucleus of the solitary tract in rats. <i>Respiratory Physiology and Neurobiology</i> , 2011 , 179, 227-34	2.8 19
82	Inhibition of pilocarpine-induced salivation in rats by central noradrenaline. <i>Archives of Oral Biology</i> , 2002 , 47, 429-34	2.8 18
81	Impaired central respiratory chemoreflex in an experimental genetic model of epilepsy. <i>Journal of Physiology</i> , 2017 , 595, 983-999	3.9 17
80	Acute hypoxia activates hypothalamic paraventricular nucleus-projecting catecholaminergic neurons in the C1 region. <i>Experimental Neurology</i> , 2016 , 285, 1-11	5.7 16
79	Control of breathing and blood pressure by parafacial neurons in conscious rats. <i>Experimental Physiology</i> , 2013 , 98, 304-15	2.4 16
78	Fluorocitrate-mediated depolarization of astrocytes in the retrotrapezoid nucleus stimulates breathing. <i>Journal of Neurophysiology</i> , 2017 , 118, 1690-1697	3.2 16
77	Central moxonidine on salivary gland blood flow and cardiovascular responses to pilocarpine. <i>Brain Research</i> , 2003 , 987, 155-63	3.7 16
76	Ablation of brainstem C1 neurons improves cardiac function in volume overload heart failure. <i>Clinical Science</i> , 2019 , 133, 393-405	6.5 16
75	The role of PHOX2B-derived astrocytes in chemosensory control of breathing and sleep homeostasis. <i>Journal of Physiology</i> , 2019 , 597, 2225-2251	3.9 15
74	Orexinergic neurons are involved in the chemosensory control of breathing during the dark phase in a Parkinson's disease model. <i>Experimental Neurology</i> , 2018 , 309, 107-118	5.7 15
73	Effects of AV3V lesion on pilocarpine-induced pressor response and salivary gland vasodilation. <i>Brain Research</i> , 2005 , 1055, 111-21	3.7 15
72	Cholinergic control of ventral surface chemoreceptors involves Gq/inositol 1,4,5-trisphosphate-mediated inhibition of KCNQ channels. <i>Journal of Physiology</i> , 2016 , 594, 407-19	3.9 15
71	Central chemoreceptors and neural mechanisms of cardiorespiratory control. <i>Brazilian Journal of Medical and Biological Research</i> , 2011 , 44, 883-9	2.8 14

70	Purinergic receptor blockade in the retrotrapezoid nucleus attenuates the respiratory chemoreflexes in awake rats. <i>Acta Physiologica</i> , 2016 , 217, 80-93	5.6	14
69	Minocycline alters expression of inflammatory markers in autonomic brain areas and ventilatory responses induced by acute hypoxia. <i>Experimental Physiology</i> , 2018 , 103, 884-895	2.4	13
68	Breathing responses produced by optogenetic stimulation of adrenergic C1 neurons are dependent on the connection with preBötzing complex in rats. <i>Pflügers Archiv European Journal of Physiology</i> , 2018 , 470, 1659-1672	4.6	13
67	Distinct pathways to the parafacial respiratory group to trigger active expiration in adult rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019 , 317, L402-L413	5.8	13
66	Commissural nucleus of the solitary tract regulates the antihypertensive effects elicited by moxonidine. <i>Neuroscience</i> , 2013 , 250, 80-91	3.9	13
65	Respiratory disturbances in a mouse model of Parkinson's disease. <i>Experimental Physiology</i> , 2019 , 104, 729-739	2.4	13
64	Role of A5 noradrenergic neurons in the chemoreflex control of respiratory and sympathetic activities in unanesthetized conditions. <i>Neuroscience</i> , 2017 , 354, 146-157	3.9	12
63	Cholinergic neurons in the pedunculo-pontine tegmental nucleus modulate breathing in rats by direct projections to the retrotrapezoid nucleus. <i>Journal of Physiology</i> , 2019 , 597, 1919-1934	3.9	12
62	Arterial chemoreceptor activation reduces the activity of parapyramidal serotonergic neurons in rats. <i>Neuroscience</i> , 2013 , 237, 199-207	3.9	12
61	Central alpha(2) adrenergic receptors and cholinergic-induced salivation in rats. <i>Brain Research Bulletin</i> , 2003 , 59, 383-6	3.9	12
60	C1 neurons are part of the circuitry that recruits active expiration in response to the activation of peripheral chemoreceptors. <i>ELife</i> , 2020 , 9,	8.9	12
59	Long-term stimulation of cardiac vagal preganglionic neurons reduces blood pressure in the spontaneously hypertensive rat. <i>Journal of Hypertension</i> , 2018 , 36, 2444-2452	1.9	12
58	Inhibition of the hypercapnic ventilatory response by adenosine in the retrotrapezoid nucleus in awake rats. <i>Neuropharmacology</i> , 2018 , 138, 47-56	5.5	12
57	Area postrema undergoes dynamic postnatal changes in mice and humans. <i>Journal of Comparative Neurology</i> , 2016 , 524, 1259-69	3.4	11
56	Vascular control of the CO ₂ /H-dependent drive to breathe. <i>ELife</i> , 2020 , 9,	8.9	11
55	Brainstem areas activated by intermittent apnea in awake unrestrained rats. <i>Neuroscience</i> , 2015 , 297, 262-71	3.9	10
54	Respiratory and sympathetic chemoreflex regulation by Kölliker-Fuse neurons in rats. <i>Pflügers Archiv European Journal of Physiology</i> , 2015 , 467, 231-9	4.6	10
53	Moxonidine reduces pilocarpine-induced salivation in rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2001 , 91, 32-6	2.4	10

52	Rostral ventrolateral medullary catecholaminergic neurones mediate irregular breathing pattern in volume overload heart failure rats. <i>Journal of Physiology</i> , 2019 , 597, 5799-5820	3.9	9
51	Activation of alpha(2)-adrenoceptors in the lateral hypothalamus reduces pilocarpine-induced salivation in rats. <i>Neuroscience Letters</i> , 2009 , 450, 225-8	3.3	9
50	Involvement of central alpha1- and alpha2-adrenoceptors on cardiovascular responses to moxonidine. <i>European Journal of Pharmacology</i> , 2007 , 563, 164-71	5.3	9
49	Episodic stimulation of central chemoreceptor neurons elicits disordered breathing and autonomic dysfunction in volume overload heart failure. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 318, L27-L40	5.8	9
48	Amygdala rapid kindling impairs breathing in response to chemoreflex activation. <i>Brain Research</i> , 2019 , 1718, 159-168	3.7	8
47	Independent purinergic mechanisms of central and peripheral chemoreception in the rostral ventrolateral medulla. <i>Journal of Physiology</i> , 2015 , 593, 1067-74	3.9	8
46	Antihypertensive responses elicited by central moxonidine in rats: possible role of nitric oxide. <i>Journal of Cardiovascular Pharmacology</i> , 2006 , 47, 780-7	3.1	8
45	Neonatal apneic phenotype in a murine congenital central hypoventilation syndrome model is induced through non-cell autonomous developmental mechanisms. <i>Brain Pathology</i> , 2021 , 31, 84-102	6	8
44	Raphe Pallidus is Not Important to Central Chemoreception in a Rat Model of Parkinson's Disease. <i>Neuroscience</i> , 2018 , 369, 350-362	3.9	8
43	Molecular underpinnings of ventral surface chemoreceptor function: focus on KCNQ channels. <i>Journal of Physiology</i> , 2015 , 593, 1075-81	3.9	7
42	Important GABAergic mechanism within the NTS and the control of sympathetic baroreflex in SHR. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2011 , 159, 62-70	2.4	7
41	Impaired chemosensory control of breathing after depletion of bulbospinal catecholaminergic neurons in rats. <i>Pflügers Archiv European Journal of Physiology</i> , 2018 , 470, 277-293	4.6	6
40	Commissural nucleus of the solitary tract is important for cardiovascular responses to caudal pressor area activation. <i>Brain Research</i> , 2007 , 1161, 32-7	3.7	6
39	Depletion of hypothalamic hypocretin/orexin neurons correlates with impaired memory in a Parkinson's disease animal model. <i>Experimental Neurology</i> , 2020 , 323, 113110	5.7	6
38	GABAergic neurons of the medullary raphe regulate active expiration during hypercapnia. <i>Journal of Neurophysiology</i> , 2020 , 123, 1933-1943	3.2	6
37	Nondyspnoenic acute hypoxemic respiratory failure in COVID-19 pneumonia. <i>Journal of Applied Physiology</i> , 2021 , 130, 892-897	3.7	6
36	The retrotrapezoid nucleus and the neuromodulation of breathing. <i>Journal of Neurophysiology</i> , 2021 , 125, 699-719	3.2	6
35	Purinergic P2 receptors in the paraventricular nucleus of the hypothalamus are involved in hyperosmotic-induced sympathoexcitation. <i>Neuroscience</i> , 2017 , 349, 253-263	3.9	5

34	Attenuated baroreflex in a Parkinson's disease animal model coincides with impaired activation of non-C1 neurons. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2020 , 225, 102655	2.4	5
33	GABA mechanisms of the nucleus of the solitary tract regulates the cardiovascular and sympathetic effects of moxonidine. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2016 , 194, 1-7	2.4	5
32	Oxidative stress in the medullary respiratory neurons contributes to respiratory dysfunction in the 6-OHDA model of Parkinson's disease. <i>Journal of Physiology</i> , 2020 , 598, 5271-5293	3.9	5
31	The retrotrapezoid nucleus as a central brainstem area for central and peripheral chemoreceptor interactions. <i>Experimental Physiology</i> , 2016 , 101, 455-6	2.4	5
30	Activation of central α -adrenoceptors mediates salivary gland vasoconstriction. <i>Archives of Oral Biology</i> , 2013 , 58, 167-73	2.8	4
29	Central mechanisms involved in pilocarpine-induced pressor response. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2011 , 164, 34-42	2.4	4
28	Unraveling the Mechanisms Underlying Irregularities in Inspiratory Rhythm Generation in a Mouse Model of Parkinson's Disease. <i>Journal of Neuroscience</i> , 2021 , 41, 4732-4747	6.6	4
27	Stimulation of retrotrapezoid nucleus Phox2b-expressing neurons rescues breathing dysfunction in an experimental Parkinson's disease rat model. <i>Brain Pathology</i> , 2020 , 30, 926-944	6	3
26	M4-muscarinic acetylcholine receptor into the pedunculopontine tegmental nucleus mediates respiratory modulation of conscious rats. <i>Respiratory Physiology and Neurobiology</i> , 2019 , 269, 103254	2.8	3
25	Hypertension and sympathetic nervous system overactivity rely on the vascular tone of pial vessels of the rostral ventrolateral medulla in spontaneously hypertensive rats. <i>Experimental Physiology</i> , 2020 , 105, 65-74	2.4	3
24	Respiratory disorders of Parkinson's Disease. <i>Journal of Neurophysiology</i> , 2021 ,	3.2	2
23	Pilocarpine-induced status epilepticus reduces chemosensory control of breathing. <i>Brain Research Bulletin</i> , 2020 , 161, 98-105	3.9	2
22	Forebrain and Hindbrain Projecting-neurons Target the Post-inspiratory Complex Cholinergic Neurons. <i>Neuroscience</i> , 2021 , 476, 102-115	3.9	2
21	Selective inhibition of the adrenergic C1 neurons reduces the hypoxic ventilatory response in unanesthetized rats. <i>FASEB Journal</i> , 2015 , 29, 652.24	0.9	1
20	Machine learning approaches reveal subtle differences in breathing and sleep fragmentation in -derived astrocytes ablated mice. <i>Journal of Neurophysiology</i> , 2021 , 125, 1164-1179	3.2	1
19	Excitatory and inhibitory modulation of parafacial respiratory neurons in the control of active expiration. <i>Respiratory Physiology and Neurobiology</i> , 2021 , 289, 103657	2.8	1
18	The Retrotrapezoid Nucleus and Central Chemoreception. <i>Tzu Chi Medical Journal</i> , 2008 , 20, 239-242	1.1	0
17	Medullary astrocytes mediate irregular breathing patterns generation in chronic heart failure through purinergic P2X7 receptor signalling.. <i>EBioMedicine</i> , 2022 , 80, 104044	8.8	0

16	Is carotid body input the only critical mechanism involved in hypertension in spontaneously hypertensive rat?. <i>Journal of Physiology</i> , 2013 , 591, 745-6	3.9
15	Central and Peripheral Respiratory Disturbances in a Mice Model of Parkinson's Disease. <i>FASEB Journal</i> , 2018 , 32, 894.9	0.9
14	Selective Depletion of Astrocytes Derived From a Phox2b-Progenitor Domain Reduces Hypoxia Ventilatory Response in Conscious Mice. <i>FASEB Journal</i> , 2018 , 32, 894.7	0.9
13	Ablation of PHOX2B-Derived Astrocytes Results in Neuronal Dystrophy-Like Neuropathology in the RTN. <i>FASEB Journal</i> , 2019 , 33, 546.4	0.9
12	Effects of bilateral inhibition of retrotrapezoid nucleus on breathing in conscious rats. <i>FASEB Journal</i> , 2010 , 24, 1026.9	0.9
11	Changes on respiratory chemosensitivity after vagotomy in rats. <i>FASEB Journal</i> , 2010 , 24, 1026.11	0.9
10	Contribution of excitatory amino acid receptors of the retrotrapezoid nucleus to sympathetic chemoreflex in rats. <i>FASEB Journal</i> , 2011 , 25, 1076.9	0.9
9	Role of the A5 noradrenergic neurons in the control of central chemoreflex in rats. <i>FASEB Journal</i> , 2011 , 25, 1076.7	0.9
8	Regulation of ventral surface chemoreceptors by purinergic signaling. <i>FASEB Journal</i> , 2012 , 26, 894.1	0.9
7	P2Y1-receptors are expressed by C1 cells and regulate peripheral chemoreceptor modulation of breathing and blood pressure. <i>FASEB Journal</i> , 2013 , 27, 1118.4	0.9
6	Purinergic signaling in the retrotrapezoid nucleus (RTN) contributes to central and peripheral chemoreflexes by divergent mechanisms. <i>FASEB Journal</i> , 2013 , 27, 1137.15	0.9
5	KCNQ channels regulate activity of chemosensitive neurons in the retrotrapezoid nucleus. <i>FASEB Journal</i> , 2013 , 27, 1214.10	0.9
4	Role of purinergic neurotransmission in different brainstem CO ₂ -chemoreceptor regions. <i>FASEB Journal</i> , 2013 , 27, 1137.13	0.9
3	Chemosensory control by purinergic signaling within the retrotrapezoid nucleus (RTN) in conscious rats. <i>FASEB Journal</i> , 2013 , 27, 1137.14	0.9
2	Last Word on Viewpoint: Nondyspnoenic acute hypoxemic respiratory failure in COVID-19 pneumonia-Breathing pattern in patients with SARS-CoV-2. <i>Journal of Applied Physiology</i> , 2021 , 130, 900	3.7
1	Reply to Nuschke and Haouzi. <i>Journal of Applied Physiology</i> , 2021 , 131, 1136-1137	3.7