Thiago S Moreira

List of Publications by Year
in descending order

137 papers	3,381 citations	159585 30 h-index	182427 51 g-index
142 all docs	142 docs citations	142 times ranked	1861 citing authors

#	Article	IF	Citations
1	Respiratory disorders of Parkinsonâ€™s disease. Journal of Neurophysiology, 2022, 127, 1-15.	1.8	11
2	A5 noradrenergicâ€projecting C1 neurons activate sympathetic and breathing outputs in anaesthetized rats. Experimental Physiology, 2022, 107, 147-160.	2.0	8
3	Editorial: Integrative Physiology: Systemic Hypertension and Respiratory-Sympathetic Coupling. Frontiers in Physiology, 2022, 13, 841001.	2.8	0
4	5â€HT7 receptors expressed in the mouse parafacial region are not required for respiratory chemosensitivity. Journal of Physiology, 2022, 600, 2789-2811.	2.9	5
5	Inhibition of anandamide hydrolysis does not rescue respiratory abnormalities observed in an animal model of Parkinson's disease. Experimental Physiology, 2022, 107, 161-174.	2.0	0
6	5â€HT7 receptors expressed in the mouse parafacial region are not required for respiratory chemosensitivity. FASEB Journal, 2022, 36, .	0.5	0
7	Medullary astrocytes mediate irregular breathing patterns generation in chronic heart failure through purinergic P2X7 receptor signalling. EBioMedicine, 2022, 80, 104044.	6.1	2
8	Regulation of blood vessels by ATP in the ventral medullary surface in a rat model of Parkinsonâ€™s disease. Brain Research Bulletin, 2022, 187, 138-154.	3.0	1
9	The effect of central growth hormone action on hypoxia ventilatory response in conscious mice. Brain Research, 2022, 1791, 147995.	2.2	3
10	Neonatal apneic phenotype in a murine congenital central hypoventilation syndrome model is induced through nonâ€cell autonomous developmental mechanisms. Brain Pathology, 2021, 31, 84-102.	4.1	16
11	Nondyspnogenic acute hypoxemic respiratory failure in COVID-19 pneumonia. Journal of Applied Physiology, 2021, 130, 892-897.	2.5	7
12	The retrotrapezoid nucleus and the neuromodulation of breathing. Journal of Neurophysiology, 2021, 125, 699-719.	1.8	14
13	Last Word on Viewpoint: Nondyspnogenic acute hypoxemic respiratory failure in COVID-19 pneumoniaâ€”Breathing pattern in patients with SARS-CoV-2. Journal of Applied Physiology, 2021, 130, 900-900.	2.5	0
14	Unraveling the Mechanisms Underlying Irregularities in Inspiratory Rhythm Generation in a Mouse Model of Parkinson's Disease. Journal of Neuroscience, 2021, 41, 4732-4747.	3.6	18
15	Machine learning approaches reveal subtle differences in breathing and sleep fragmentation inPhox2b-derived astrocytes ablated mice. Journal of Neurophysiology, 2021, 125, 1164-1179.	1.8	3
16	Histamine Activates Chemosensitive Neurons in the Retrotrapezoid Nucleus. FASEB Journal, 2021, 35, .	0.5	0
17	Phox2bâ€expressing neurons of the retrotrapezoid nucleus regulate postâ€inspiration in conscious mice. FASEB Journal, 2021, 35, .	0.5	0
18	Conditional deletion of Ricâ€8B gene in olfactory sensory neurons leads to increased hypercapnic ventilatory response. FASEB Journal, 2021, 35, .	0.5	0

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19	Excitatory and inhibitory modulation of parafacial respiratory neurons in the control of active expiration. Respiratory Physiology and Neurobiology, 2021, 289, 103657.	1.6	4
20	Forebrain and Hindbrain Projecting-neurons Target the Post-inspiratory Complex Cholinergic Neurons. Neuroscience, 2021, 476, 102-115.	2.3	8
21	Reply to Nuschke and Haouzi. Journal of Applied Physiology, 2021, 131, 1136-1137.	2.5	0
22	Depletion of hypothalamic hypocretin/orexin neurons correlates with impaired memory in a Parkinson's disease animal model. Experimental Neurology, 2020, 323, 113110.	4.1	11
23	Episodic stimulation of central chemoreceptor neurons elicits disordered breathing and autonomic dysfunction in volume overload heart failure. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L27-L40.	2.9	15
24	Hypertension and sympathetic nervous system overactivity rely on the vascular tone of pial vessels of the rostral ventrolateral medulla in spontaneously hypertensive rats. Experimental Physiology, 2020, 105, 65-74.	2.0	5
25	Oxidative stress in the medullary respiratory neurons contributes to respiratory dysfunction in the 6â€OHDA model of Parkinson's disease. Journal of Physiology, 2020, 598, 5271-5293.	2.9	9
26	Stimulation of retrotrapezoid nucleus Phox2bâ€expressing neurons rescues breathing dysfunction in an experimental Parkinsonâ€™s disease rat model. Brain Pathology, 2020, 30, 926-944.	4.1	9
27	Attenuated baroreflex in a Parkinson's disease animal model coincides with impaired activation of non-C1 neurons. Autonomic Neuroscience: Basic and Clinical, 2020, 225, 102655.	2.8	8
28	GABAergic neurons of the medullary raphe regulate active expiration during hypercapnia. Journal of Neurophysiology, 2020, 123, 1933-1943.	1.8	8
29	Pilocarpine-induced status epilepticus reduces chemosensory control of breathing. Brain Research Bulletin, 2020, 161, 98-105.	3.0	7
30	C1 neurons are part of the circuitry that recruits active expiration in response to the activation of peripheral chemoreceptors. ELife, 2020, 9, .	6.0	24
31	Vascular control of the CO2/H+-dependent drive to breathe. ELife, 2020, 9, .	6.0	23
32	M4-muscarinic acetylcholine receptor into the pedunculopontine tegmental nucleus mediates respiratory modulation of conscious rats. Respiratory Physiology and Neurobiology, 2019, 269, 103254.	1.6	4
33	Distinct pathways to the parafacial respiratory group to trigger active expiration in adult rats. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L402-L413.	2.9	16
34	Rostral ventrolateral medullary catecholaminergic neurones mediate irregular breathing pattern in volume overload heart failure rats. Journal of Physiology, 2019, 597, 5799-5820.	2.9	14
35	The role of PHOX2Bâ€derived astrocytes in chemosensory control of breathing and sleep homeostasis. Journal of Physiology, 2019, 597, 2225-2251.	2.9	27
36	Amygdala rapid kindling impairs breathing in response to chemoreflex activation. Brain Research, 2019, 1718, 159-168.	2.2	15

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37	Cholinergic neurons in the pedunculopontine tegmental nucleus modulate breathing in rats by direct projections to the retrotrapezoid nucleus. Journal of Physiology, 2019, 597, 1919-1934.	2.9	21
38	Respiratory disturbances in a mouse model of Parkinson's disease. Experimental Physiology, 2019, 104, 729-739.	2.0	28
39	Ablation of brainstem C1 neurons improves cardiac function in volume overload heart failure. Clinical Science, 2019, 133, 393-405.	4.3	20
40	Ablation of PHOX2Bâ€Derived Astrocytes Results in Neuronal Dystrophyâ€Like Neuropathology in the RTN. FASEB Journal, 2019, 33, 546.4.	0.5	0
41	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. Experimental Neurology, 2018, 302, 46-56.	4.1	36
42	Minocycline alters expression of inflammatory markers in autonomic brain areas and ventilatory responses induced by acute hypoxia. Experimental Physiology, 2018, 103, 884-895.	2.0	18
43	Impaired chemosensory control of breathing after depletion of bulbospinal catecholaminergic neurons in rats. Pflugers Archiv European Journal of Physiology, 2018, 470, 277-293.	2.8	11
44	Raphe Pallidus is Not Important to Central Chemoreception in a Rat Model of Parkinsonâ€™s Disease. Neuroscience, 2018, 369, 350-362.	2.3	9
45	Long-term stimulation of cardiac vagal preganglionic neurons reduces blood pressure in the spontaneously hypertensive rat. Journal of Hypertension, 2018, 36, 2444-2452.	0.5	16
46	Interaction between the retrotrapezoid nucleus and the parafacial respiratory group to regulate active expiration and sympathetic activity in rats. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L891-L909.	2.9	42
47	Inhibition of the hypercapnic ventilatory response by adenosine in the retrotrapezoid nucleus in awake rats. Neuropharmacology, 2018, 138, 47-56.	4.1	14
48	Correlation between neuroanatomical and functional respiratory changes observed in an experimental model of Parkinson's disease. Experimental Physiology, 2018, 103, 1377-1389.	2.0	31
49	Breathing responses produced by optogenetic stimulation of adrenergic C1 neurons are dependent on the connection with preBÃ¶tzinger complex in rats. Pflugers Archiv European Journal of Physiology, 2018, 470, 1659-1672.	2.8	21
50	Orexinergic neurons are involved in the chemosensory control of breathing during the dark phase in a Parkinson's disease model. Experimental Neurology, 2018, 309, 107-118.	4.1	22
51	Central and Peripheral Respiratory Disturbances in a Mice Model of Parkinson's Disease. FASEB Journal, 2018, 32, 894.9.	0.5	0
52	Selective Depletion of Astrocytes Derived From a Phox2bâ€Progenitor Domain Reduces Hypoxia Ventilatory Response in Conscious Mice. FASEB Journal, 2018, 32, 894.7.	0.5	0
53	Purinergic P2 receptors in the paraventricular nucleus of the hypothalamus are involved in hyperosmotic-induced sympathoexcitation. Neuroscience, 2017, 349, 253-263.	2.3	6
54	Role of the locus coeruleus catecholaminergic neurons in the chemosensory control of breathing in a Parkinson's disease model. Experimental Neurology, 2017, 293, 172-180.	4.1	43

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55	Role of A5 noradrenergic neurons in the chemoreflex control of respiratory and sympathetic activities in unanesthetized conditions. Neuroscience, 2017, 354, 146-157.	2.3	17
56	Depletion of rostral ventrolateral medullary catecholaminergic neurons impairs the hypoxic ventilatory response in conscious rats. Neuroscience, 2017, 351, 1-14.	2.3	27
57	Cardiovascular dysfunction associated with neurodegeneration in an experimental model of Parkinsonâ€™s disease. Brain Research, 2017, 1657, 156-166.	2.2	34
58	Fluorocitrate-mediated depolarization of astrocytes in the retrotrapezoid nucleus stimulates breathing. Journal of Neurophysiology, 2017, 118, 1690-1697.	1.8	26
59	Impaired central respiratory chemoreflex in an experimental genetic model of epilepsy. Journal of Physiology, 2017, 595, 983-999.	2.9	21
60	Purinergic regulation of vascular tone in the retrotrapezoid nucleus is specialized to support the drive to breathe. ELife, 2017, 6, .	6.0	42
61	Purinergic receptor blockade in the retrotrapezoid nucleus attenuates the respiratory chemoreflexes in awake rats. Acta Physiologica, 2016, 217, 80-93.	3.8	23
62	Cholinergic control of ventral surface chemoreceptors involves Gq/inositol 1,4,5â€trisphosphateâ€mediated inhibition of KCNQ channels. Journal of Physiology, 2016, 594, 407-419.	2.9	20
63	Respiratory and autonomic dysfunction in congenital central hypoventilation syndrome. Journal of Neurophysiology, 2016, 116, 742-752.	1.8	43
64	The retrotrapezoid nucleus as a central brainstem area for central and peripheral chemoreceptor interactions. Experimental Physiology, 2016, 101, 455-456.	2.0	5
65	Acute hypoxia activates hypothalamic paraventricular nucleus-projecting catecholaminergic neurons in the C1 region. Experimental Neurology, 2016, 285, 1-11.	4.1	23
66	Î±₁- and Î±₂-adrenergic receptors in the retrotrapezoid nucleus differentially regulate breathing in anesthetized adult rats. Journal of Neurophysiology, 2016, 116, 1036-1048.	1.8	26
67	Area postrema undergoes dynamic postnatal changes in mice and humans. Journal of Comparative Neurology, 2016, 524, 1259-1269.	1.6	11
68	Inhibition of the pontine KÃ¶lliker-Fuse nucleus reduces genioglossal activity elicited by stimulation of the retrotrapezoid chemoreceptor neurons. Neuroscience, 2016, 328, 9-21.	2.3	33
69	GABA mechanisms of the nucleus of the solitary tract regulates the cardiovascular and sympathetic effects of moxonidine. Autonomic Neuroscience: Basic and Clinical, 2016, 194, 1-7.	2.8	6
70	Neuroanatomical and physiological evidence that the retrotrapezoid nucleus/parafacial region regulates expiration in adult rats. Respiratory Physiology and Neurobiology, 2016, 227, 9-22.	1.6	40
71	HCN channels contribute to serotonergic modulation of ventral surface chemosensitive neurons and respiratory activity. Journal of Neurophysiology, 2015, 113, 1195-1205.	1.8	43
72	New advances in the neural control of breathing. Journal of Physiology, 2015, 593, 1065-1066.	2.9	1

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73	Brainstem areas activated by intermittent apnea in awake unrestrained rats. Neuroscience, 2015, 297, 262-271.	2.3	11
74	Respiratory deficits in a rat model of Parkinsonâ€™s disease. Neuroscience, 2015, 297, 194-204.	2.3	50
75	Independent purinergic mechanisms of central and peripheral chemoreception in the rostral ventrolateral medulla. Journal of Physiology, 2015, 593, 1067-1074.	2.9	12
76	Molecular underpinnings of ventral surface chemoreceptor function: focus on KCNQ channels. Journal of Physiology, 2015, 593, 1075-1081.	2.9	9
77	Respiratory and sympathetic chemoreflex regulation by KÃ¶lliker-Fuse neurons in rats. Pflugers Archiv European Journal of Physiology, 2015, 467, 231-239.	2.8	12
78	Baroreflex impairment in a rat model of Parkinson's disease. FASEB Journal, 2015, 29, .	0.5	0
79	Selective inhibition of the adrenergic C1 neurons reduces the hypoxic ventilatory response in unanesthetized rats. FASEB Journal, 2015, 29, 652.24.	0.5	1
80	Leptin into the ventrolateral medulla facilitates chemorespiratory response in leptinâ€deficient (ob/ob) mice. Acta Physiologica, 2014, 211, 240-248.	3.8	48
81	Regulation of the chemosensory control of breathing by KÃ¶lliker-Fuse neurons. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R57-R67.	1.8	42
82	Phox2bâ€expressing retrotrapezoid neurons and the integration of central and peripheral chemosensory control of breathing in conscious rats. Experimental Physiology, 2014, 99, 571-585.	2.0	70
83	Purinergic signalling contributes to chemoreception in the retrotrapezoid nucleus but not the nucleus of the solitary tract or medullary raphe. Journal of Physiology, 2014, 592, 1309-1323.	2.9	41
84	Acute exercise-induced activation of Phox2b-expressing neurons of the retrotrapezoid nucleus in rats may involve the hypothalamus. Neuroscience, 2014, 258, 355-363.	2.3	39
85	Control of breathing and blood pressure by parafacial neurons in conscious rats. Experimental Physiology, 2013, 98, 304-315.	2.0	19
86	Activation of central Î±2-adrenoceptors mediates salivary gland vasoconstriction. Archives of Oral Biology, 2013, 58, 167-173.	1.8	5
87	Is carotid body input the only critical mechanism involved in hypertension in spontaneously hypertensive rat?. Journal of Physiology, 2013, 591, 745-746.	2.9	0
88	Commissural nucleus of the solitary tract regulates the antihypertensive effects elicited by moxonidine. Neuroscience, 2013, 250, 80-91.	2.3	15
89	Arterial chemoreceptor activation reduces the activity of parapyramidal serotonergic neurons in rats. Neuroscience, 2013, 237, 199-207.	2.3	12
90	P2Y1 Receptors Expressed by C1 Neurons Determine Peripheral Chemoreceptor Modulation of Breathing, Sympathetic Activity, and Blood Pressure. Hypertension, 2013, 62, 263-273.	2.7	28

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91	P2Y1â€receptors are expressed by C1 cells and regulate peripheral chemoreceptor modulation of breathing and blood pressure. FASEB Journal, 2013, 27, 1118.4.	0.5	0
92	Purinergic signaling in the retrotrapezoid nucleus (RTN) contributes to central and peripheral chemoreflexes by divergent mechansims. FASEB Journal, 2013, 27, 1137.15.	0.5	0
93	KCNQ channels regulate activity of chemosensitive neurons in the retrotrapezoid nucleus. FASEB Journal, 2013, 27, 1214.10.	0.5	0
94	Role of purinergic neurotransmission in different brainstem CO2â€chemoreceptor regions. FASEB Journal, 2013, 27, 1137.13.	0.5	0
95	Chemosensory control by purinergic signaling within the retrotrapezoid nucleus (RTN) in conscious rats. FASEB Journal, 2013, 27, 1137.14.	0.5	0
96	KCNQ Channels Determine Serotonergic Modulation of Ventral Surface Chemoreceptors and Respiratory Drive. Journal of Neuroscience, 2012, 32, 16943-16952.	3.6	36
97	Pontomedullary and hypothalamic distribution of Fos-like immunoreactive neurons after acute exercise in rats. Neuroscience, 2012, 212, 120-130.	2.3	46
98	Regulation of ventral surface CO₂/H⁺â€sensitive neurons by purinergic signalling. Journal of Physiology, 2012, 590, 2137-2150.	2.9	82
99	Regulation of ventral surface chemoreceptors by purinergic signaling. FASEB Journal, 2012, 26, 894.1.	0.5	0
100	P2Y1â€receptors are expressed by CO2/H+â€insensitive neurons in the retrotrapezoid nucleus (RTN) and contribute to the peripheral drive to breathe. FASEB Journal, 2012, 26, .	0.5	0
101	Important GABAergic mechanism within the NTS and the control of sympathetic baroreflex in SHR. Autonomic Neuroscience: Basic and Clinical, 2011, 159, 62-70.	2.8	10
102	Central mechanisms involved in pilocarpine-induced pressor response. Autonomic Neuroscience: Basic and Clinical, 2011, 164, 34-42.	2.8	4
103	Control of the central chemoreflex by A5 noradrenergic neurons in rats. Neuroscience, 2011, 199, 177-186.	2.3	29
104	Central chemoreceptors and neural mechanisms of cardiorespiratory control. Brazilian Journal of Medical and Biological Research, 2011, 44, 883-889.	1.5	21
105	Contribution of excitatory amino acid receptors of the retrotrapezoid nucleus to the sympathetic chemoreflex in rats. Experimental Physiology, 2011, 96, 989-999.	2.0	33
106	Chemosensory control by commissural nucleus of the solitary tract in rats. Respiratory Physiology and Neurobiology, 2011, 179, 227-234.	1.6	21
107	Ventrolateral medulla mechanisms involved in cardiorespiratory responses to central chemoreceptor activation in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R501-R510.	1.8	44
108	Contribution of excitatory amino acid receptors of the retrotrapezoid nucleus to sympathetic chemoreflex in rats. FASEB Journal, 2011, 25, 1076.9.	0.5	0

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109	Role of the A5 noradrenergic neurons in the control of central chemoreflex in rats. FASEB Journal, 2011, 25, 1076.7.	0.5	0
110	Anesthetic Activation of Central Respiratory Chemoreceptor Neurons Involves Inhibition of a THIK-1-Like Background K+ Current. Journal of Neuroscience, 2010, 30, 9324-9334.	3.6	67
111	Effects of bilateral inhibition of retrotrapezoid nucleus on breathing in conscious rats. FASEB Journal, 2010, 24, 1026.9.	0.5	0
112	Changes on respiratory chemosensitivity after vagotomy in rats. FASEB Journal, 2010, 24, 1026.11.	0.5	0
113	Antihypertensive effects of central ablations in spontaneously hypertensive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R1797-R1806.	1.8	31
114	Galanin is a selective marker of the retrotrapezoid nucleus in rats. Journal of Comparative Neurology, 2009, 512, 373-383.	1.6	49
115	Activation of Î±2-adrenoceptors in the lateral hypothalamus reduces pilocarpine-induced salivation in rats. Neuroscience Letters, 2009, 450, 225-228.	2.1	12
116	Selective lesion of retrotrapezoid Phox2bâ€expressing neurons raises the apnoeic threshold in rats. Journal of Physiology, 2008, 586, 2975-2991.	2.9	119
117	The Retrotrapezoid Nucleus and Central Chemoreception. Tzu Chi Medical Journal, 2008, 20, 239-242.	1.1	1
118	The Retrotrapezoid Nucleus and Central Chemoreception. Advances in Experimental Medicine and Biology, 2008, 605, 327-332.	1.6	32
119	Serotonergic Neurons Activate Chemosensitive Retrotrapezoid Nucleus Neurons by a pH-Independent Mechanism. Journal of Neuroscience, 2007, 27, 14128-14138.	3.6	127
120	GABAergic Pump Cells of Solitary Tract Nucleus Innervate Retrotrapezoid Nucleus Chemoreceptors. Journal of Neurophysiology, 2007, 98, 374-381.	1.8	41
121	Activation of 5-Hydroxytryptamine Type 3 Receptor-Expressing C-Fiber Vagal Afferents Inhibits Retrotrapezoid Nucleus Chemoreceptors in Rats. Journal of Neurophysiology, 2007, 98, 3627-3637.	1.8	30
122	Central nervous system distribution of the transcription factor Phox2b in the adult rat. Journal of Comparative Neurology, 2007, 503, 627-641.	1.6	124
123	Inhibitory input from slowly adapting lung stretch receptors to retrotrapezoid nucleus chemoreceptors. Journal of Physiology, 2007, 580, 285-300.	2.9	66
124	Commissural nucleus of the solitary tract is important for cardiovascular responses to caudal pressor area activation. Brain Research, 2007, 1161, 32-37.	2.2	6
125	Involvement of central Î±1- and Î±2-adrenoceptors on cardiovascular responses to moxonidine. European Journal of Pharmacology, 2007, 563, 164-171.	3.5	9
126	Antihypertensive Responses Elicited by Central Moxonidine in Rats: Possible Role of Nitric Oxide. Journal of Cardiovascular Pharmacology, 2006, 47, 780-787.	1.9	8

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127	Peripheral chemoreceptor inputs to retrotrapezoid nucleus (RTN) CO2-sensitive neurons in rats. Journal of Physiology, 2006, 572, 503-523.	2.9	273
128	Central chemoreceptors and sympathetic vasomotor outflow. Journal of Physiology, 2006, 577, 369-386.	2.9	119
129	Expression of Phox2b by Brainstem Neurons Involved in Chemosensory Integration in the Adult Rat. Journal of Neuroscience, 2006, 26, 10305-10314.	3.6	311
130	Effects of AV3V lesion on pilocarpine-induced pressor response and salivary gland vasodilation. Brain Research, 2005, 1055, 111-121.	2.2	17
131	Central blockade of nitric oxide synthesis reduces moxonidine-induced hypotension. British Journal of Pharmacology, 2004, 142, 765-771.	5.4	20
132	Central moxonidine on salivary gland blood flow and cardiovascular responses to pilocarpine. Brain Research, 2003, 987, 155-163.	2.2	16
133	Central Î±2 adrenergic receptors and cholinergic-induced salivation in rats. Brain Research Bulletin, 2003, 59, 383-386.	3.0	14
134	Central Muscarinic Receptors Signal Pilocarpine-induced Salivation. Journal of Dental Research, 2003, 82, 993-997.	5.2	46
135	Inhibition of pilocarpine-induced salivation in rats by central noradrenaline. Archives of Oral Biology, 2002, 47, 429-434.	1.8	19
136	Moxonidine reduces pilocarpine-induced salivation in rats. Autonomic Neuroscience: Basic and Clinical, 2001, 91, 32-36.	2.8	10
137	Histamine/H1 receptor signaling in the parafacial region increases activity of chemosensitive neurons and respiratory activity in rats.. Journal of Neurophysiology, 0, , .	1.8	0