Andre Souza Mecawi

List of Publications by Year
in descending order

71 papers	1,250 citations	430442 18 h-index	433756 31 g-index
73 all docs	73 docs citations	73 times ranked	1622 citing authors

#	Article	IF	Citations
1	Electrophysiological Properties of Rostral Ventrolateral Medulla Presympathetic Neurons Modulated by the Respiratory Network in Rats. Journal of Neuroscience, 2013, 33, 19223-19237.	1.7	103
2	Effects of oversulfated and fucosylated chondroitin sulfates on coagulation. Thrombosis and Haemostasis, 2010, 103, 994-1004.	1.8	75
3	Acute ethanol intake induces superoxide anion generation and mitogen-activated protein kinase phosphorylation in rat aorta: A role for angiotensin type 1 receptor. Toxicology and Applied Pharmacology, 2012, 264, 470-478.	1.3	55
4	A comparison of physiological and transcriptome responses to water deprivation and salt loading in the rat supraoptic nucleus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 308, R559-R568.	0.9	52
5	Rasd1, a small G protein with a big role in the hypothalamic response to neuronal activation. Molecular Brain, 2016, 9, 1.	1.3	52
6	Angiotensin type 1 receptor mediates chronic ethanol consumption-induced hypertension and vascular oxidative stress. Vascular Pharmacology, 2015, 74, 49-59.	1.0	48
7	Neuroendocrine Regulation of Hydromineral Homeostasis. , 2015, 5, 1465-1516.		46
8	Social stress-induced hypothyroidism is attenuated by antidepressant treatment in rats. Neuropharmacology, 2012, 62, 446-456.	2.0	42
9	Acute restraint stress induces endothelial dysfunction: role of vasoconstrictor prostanoids and oxidative stress. Stress, 2015, 18, 233-243.	0.8	41
10	Acute ethanol intake induces mitogen-activated protein kinase activation, platelet-derived growth factor receptor phosphorylation, and oxidative stress in resistance arteries. Journal of Physiology and Biochemistry, 2014, 70, 509-523.	1.3	40
11	Ethanol withdrawal increases oxidative stress and reduces nitric oxide bioavailability in the vasculature of rats. Alcohol, 2015, 49, 47-56.	0.8	35
12	Osmoregulation Requires Brain Expression of the Renal Na-K-2Cl Cotransporter NKCC2. Journal of Neuroscience, 2015, 35, 5144-5155.	1.7	34
13	Oestrogenic influence on brain AT₁ receptor signalling on the thirst and sodium appetite in osmotically stimulated and sodiumâ€depleted female rats. Experimental Physiology, 2008, 93, 1002-1010.	0.9	32
14	Estradiol potentiates hypothalamic vasopressin and oxytocin neuron activation and hormonal secretion induced by hypovolemic shock. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R905-R915.	0.9	28
15	Transcription factor CREB3L1 mediates cAMP and glucocorticoid regulation of arginine vasopressin gene transcription in the rat hypothalamus. Molecular Brain, 2015, 8, 68.	1.3	26
16	Estradiol replacement therapy regulates innate immune response in ovariectomized arthritic mice. International Immunopharmacology, 2019, 72, 504-510.	1.7	24
17	Oestradiol Potentiates Hormone Secretion and Neuronal Activation in Response to Hypertonic Extracellular Volume Expansion in Ovariectomised Rats. Journal of Neuroendocrinology, 2011, 23, 481-489.	1.2	22
18	Gaseous Modulators in the Control of the Hypothalamic Neurohypophyseal System. Physiology, 2015, 30, 127-138.	1.6	21

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19	Sex differences in body composition, metabolismâ€related hormones, and energy homeostasis during aging in Wistar rats. Physiological Reports, 2020, 8, e14597.	0.7	21
20	Assessment of brain AT1-receptor on the nocturnal basal and angiotensin-induced thirst and sodium appetite in ovariectomised rats. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2007, 8, 169-175.	1.0	20
21	Estradiol and angiotensin II crosstalk in hydromineral balance: Role of the ERK1/2 and JNK signaling pathways. Neuroscience, 2016, 322, 525-538.	1.1	18
22	Nitric Oxide Modulates HCN Channels in Magnocellular Neurons of the Supraoptic Nucleus of Rats by an S-Nitrosylation-Dependent Mechanism. Journal of Neuroscience, 2016, 36, 11320-11330.	1.7	18
23	Electrophysiological Effects of Ghrelin in the Hypothalamic Paraventricular Nucleus Neurons. Frontiers in Cellular Neuroscience, 2018, 12, 275.	1.8	18
24	The Role of Angiotensin <scp>II</scp> on Sodium Appetite After a Lowâ€Sodium Diet. Journal of Neuroendocrinology, 2013, 25, 281-291.	1.2	17
25	Mapping and signaling of neural pathways involved in the regulation of hydromineral homeostasis. Brazilian Journal of Medical and Biological Research, 2013, 46, 327-338.	0.7	17
26	The effects of aging on biosynthetic processes in the rat hypothalamic osmoregulatory neuroendocrine system. Neurobiology of Aging, 2018, 65, 178-191.	1.5	17
27	Physiological and Transcriptomic Changes in the Hypothalamic-Neurohypophysial System after 24 h of Furosemide-Induced Sodium Depletion. Neuroendocrinology, 2021, 111, 70-86.	1.2	17
28	Intrinsic and synaptic mechanisms controlling the expiratory activity of excitatory lateral parafacial neurones of rats. Journal of Physiology, 2021, 599, 4925-4948.	1.3	16
29	Role of the 5-HT1A somatodendritic autoreceptor in the dorsal raphe nucleus on salt satiety signaling in rats. Experimental Neurology, 2009, 217, 353-360.	2.0	15
30	Developmental programing of thirst and sodium appetite. Neuroscience and Biobehavioral Reviews, 2015, 51, 1-14.	2.9	15
31	The actions of ghrelin in the paraventricular nucleus: energy balance and neuroendocrine implications. Annals of the New York Academy of Sciences, 2019, 1455, 81-97.	1.8	15
32	In vitro differentiation between oxytocin- and vasopressin-secreting magnocellular neurons requires more than one experimental criterion. Molecular and Cellular Endocrinology, 2015, 400, 102-111.	1.6	14
33	Effects of acute and subchronic AT1 receptor blockade on cardiovascular, hydromineral and neuroendocrine responses in female rats. Physiology and Behavior, 2013, 122, 104-112.	1.0	13
34	Oestradiol effects on neuroendocrine responses induced by water deprivation in rats. Journal of Endocrinology, 2016, 231, 167-180.	1.2	13
35	Reduced collagen accumulation and augmented MMP-2 activity in left ventricle of old rats submitted to high-intensity resistance training. Journal of Applied Physiology, 2017, 123, 655-663.	1.2	13
36	Respiratory Network Enhances the Sympathoinhibitory Component of Baroreflex of Rats Submitted to Chronic Intermittent Hypoxia. Hypertension, 2016, 68, 1021-1030.	1.3	12

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37	Osmoregulation of the transcriptome of the hypothalamic supraoptic nucleus: A resource for the community. Journal of Neuroendocrinology, 2021, 33, e13007.	1.2	12
38	Alterations in hypothalamic synaptophysin and death markers may be associated with vasopressin impairment in sepsis survivor rats. Journal of Neuroendocrinology, 2018, 30, e12604.	1.2	11
39	Whole body sodium depletion modifies AT 1 mRNA expression and serotonin content in the dorsal raphe nucleus. Journal of Neuroendocrinology, 2019, 31, e12703.	1.2	11
40	Sex- and age-dependent differences in the hormone and drinking responses to water deprivation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 318, R567-R578.	0.9	11
41	Ontogenetic role of angiontensin-converting enzyme in rats: Thirst and sodium appetite evaluation. Physiology and Behavior, 2010, 99, 118-124.	1.0	10
42	Seasonal adaptations of the hypothalamo-neurohypophyseal system of the dromedary camel. PLoS ONE, 2019, 14, e0216679.	1.1	10
43	Perinatal over- and underfeeding affect hypothalamic leptin and ghrelin neuroendocrine responses in adult rats. Physiology and Behavior, 2020, 215, 112793.	1.0	9
44	Hyperexcitability and plasticity induced by sustained hypoxia on rectus abdominis motoneurons. Journal of Physiology, 2019, 597, 1935-1956.	1.3	8
45	BEHAVIOURAL CHANGES INDUCED BY ANGIOTENSINâ€CONVERTING ENZYME INHIBITION DURING PREGNANCY AND LACTATION IN ADULT OFFSPRING RATS. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 495-500.	0.9	7
46	Increased exposure to sodium during pregnancy and lactation changes basal and induced behavioral and neuroendocrine responses in adult male offspring. Physiological Reports, 2017, 5, e13210.	0.7	7
47	Central angiotensinâ€(1â€“7) increases osmotic thirst. Experimental Physiology, 2017, 102, 1397-1404.	0.9	7
48	Interaction between angiotensinIIand glucose sensing at the subfornical organ. Journal of Neuroendocrinology, 2018, 30, e12654.	1.2	7
49	Brain osmo-sodium sensitive channels and the onset of sodium appetite. Hormones and Behavior, 2020, 118, 104658.	1.0	7
50	Neonatal Serotonin Depletion Induces Hyperactivity and Anxiolytic-like Sex-Dependent Effects in Adult Rats. Molecular Neurobiology, 2021, 58, 1036-1051.	1.9	7
51	Oxytocin induces anti-catabolic and anabolic effects on protein metabolism in the female rat oxidative skeletal muscle. Life Sciences, 2021, 279, 119665.	2.0	7
52	INHIBITION OF BRAIN RENINâ€“ANGIOTENSIN SYSTEM IMPROVES DIASTOLIC CARDIAC FUNCTION FOLLOWING MYOCARDIAL INFARCTION IN RATS. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 803-809.	0.9	6
53	Oestradiol acts through its beta receptor to increase vasopressin neuronal activation and secretion induced by dehydration. Journal of Neuroendocrinology, 2019, 31, e12712.	1.2	6
54	Sexual dimorphism in autonomic changes and in the reninâ€“angiotensin system in the hearts of mice subjected to thyroid hormoneâ€induced cardiac hypertrophy. Experimental Physiology, 2014, 99, 868-880.	0.9	5

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55	Acute body sodium depletion induces skin sodium mobilization in female Wistar rats. Experimental Physiology, 2019, 104, 1754-1761.	0.9	5
56	Role of <scp>AMPA</scp> and <scp>NMDA</scp> receptors on vasopressin and oxytocin secretion induced by hypertonic extracellular volume expansion. Journal of Neuroendocrinology, 2018, 30, e12633.	1.2	4
57	Vasopressin and v1br gene expression is increased in the hypothalamic pvn of borderline hypertensive rats. Hypertension Research, 2020, 43, 1165-1174.	1.5	4
58	Regulatory peptides and systems biology: A new era of translational and reverseâ€translational neuroendocrinology. Journal of Neuroendocrinology, 2020, 32, e12844.	1.2	4
59	Prolonged Activation of Brain CB2 Signaling Modulates Hypothalamic Microgliosis and Astrogliosis in High Fat Diet-Fed Mice. International Journal of Molecular Sciences, 2022, 23, 5527.	1.8	4
60	Neuroendocrine changes in the hypothalamicâ€neurohypophysial system in the Wistar audiogenic rat (WAR) strain submitted to audiogenic kindling. Journal of Neuroendocrinology, 2021, 33, e12975.	1.2	3
61	Role of cholecystokinin and oxytocin in slower gastric emptying induced by physical exercise in rats. Physiology and Behavior, 2021, 233, 113355.	1.0	3
62	Sodium appetite elicited by lowâ€sodium diet is dependent on p44/42 mitogenâ€activated protein kinase (extracellular signalâ€regulated kinase 1/2) activation in the brain. Journal of Neuroendocrinology, 2017, 29, e12530.	1.2	2
63	Transcriptome Analysis Reveals Downregulation of Urocortin Expression in the Hypothalamo-Neurohypophysial System of Spontaneously Hypertensive Rats. Frontiers in Physiology, 2020, 11, 599507.	1.3	2
64	Osmoregulation and the Hypothalamic Supraoptic Nucleus: From Genes to Functions. Frontiers in Physiology, 2022, 13, .	1.3	2
65	Noradrenergic stimulation within midbrain raphe increases electrolyte excretion in rats. Experimental Physiology, 2007, 92, 923-931.	0.9	1
66	Study of GABAA receptors on the sleep-like behavior in Coturnix japonica (Temminck Schlegel, 1849) (Galliformes: Aves). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2009, 195, 247-252.	0.7	1
67	Propranolol inhibits myocardial infarction-induced brown adipose tissue D2 activation and maintains a low thyroid hormone state in rats. Brazilian Journal of Medical and Biological Research, 2019, 52, e8491.	0.7	1
68	AMPA and angiotensin type 1 receptors are necessary for hemorrhage-induced vasopressin secretion. Brazilian Journal of Medical and Biological Research, 2022, 55, e11635.	0.7	1
69	Epigenetic Programming of Water Drinking and Sodium Intake. , 2019, , 1307-1327.		0
70	LITTER SIZE MANIPULATION ALTERS THE PLASMATIC AND ADIPOSE ANGIOTENSIN II CONCENTRATION. FASEB Journal, 2013, 27, lb749.	0.2	0
71	Epigenetic Programming of Water Drinking and Sodium Intake. , 2018, , 1-22.		0