Maria Paula SerrÃ£o

List of Publications by Year
in descending order

81	1,105	394286 19	552653 26
papers	citations	h-index	g-index

82	82	82	1221
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effect of dietary sodium restriction on neurohumoral activity and renal dopaminergic response in patients with heart failure. European Journal of Heart Failure, 2004, 6, 593-599.	2.9	65
2	Over-expression of renal LAT1 and LAT2 and enhanced L-DOPA uptake in SHR immortalized renal proximal tubular cells. Kidney International, 2004, 66, 216-226.	2.6	42
3	High- and low-affinity transport of l-leucine and l-DOPA by the hetero amino acid exchangers LAT1 and LAT2 in LLC-PK1 renal cells. American Journal of Physiology - Renal Physiology, 2004, 287, F252-F261.	1.3	33
4	Inhibition of basal and ultraviolet B-induced melanogenesis by cannabinoid CB1 receptors: a keratinocyte-dependent effect. Archives of Dermatological Research, 2011, 303, 201-210.	1.1	32
5	Development of Bloodâ€“Brain Barrier Permeable Nitrocatechol-Based Catechol O-Methyltransferase Inhibitors with Reduced Potential for Hepatotoxicity. Journal of Medicinal Chemistry, 2016, 59, 7584-7597.	2.9	32
6	Organ-Specific Overexpression of Renal LAT2 and Enhanced Tubular l -DOPA Uptake Precede the Onset of Hypertension. Hypertension, 2003, 42, 613-618.	1.3	29
7	Age-related changes in renal expression of oxidant and antioxidant enzymes and oxidative stress markers in male SHR and WKY rats. Experimental Gerontology, 2011, 46, 468-474.	1.2	28
8	The water avoidance stress induces bladder pain due to a prolonged alpha1A adrenoceptor stimulation. Naunyn-Schmiedeberg's Archives of Pharmacology, 2017, 390, 839-844.	1.4	28
9	Concerted action of dopamine on renal and intestinal Na⁺-K⁺-ATPase in the rat remnant kidney. American Journal of Physiology - Renal Physiology, 2000, 279, F1033-F1044.	1.3	27
10	High-salt intake and the renal expression of amino acid transporters in spontaneously hypertensive rats. American Journal of Physiology - Renal Physiology, 2007, 292, F1452-F1463.	1.3	27
11	Reduced Urinary Excretion of Dopamine and Metabolites in Chronic Renal Parenchymal Disease. Kidney and Blood Pressure Research, 1998, 21, 59-65.	0.9	26
12	SALT INTAKE AND SENSITIVITY OF INTESTINAL AND RENAL NA+-K+ATPase TO INHIBITION BY DOPAMINE IN SPONTANEOUS HYPERTENSIVE AND WISTAR-KYOTO RATS. Clinical and Experimental Hypertension, 2000, 22, 455-469.	0.5	26
13	D1-like dopamine receptor activation and natriuresis by nitrocatechol COMT inhibitors. Kidney International, 2001, 59, 1683-1694.	2.6	25
14	Plasma Catecholamines in Buerger's Disease: Effects of Cigarette Smoking and Surgical Sympathectomy. European Journal of Vascular and Endovascular Surgery, 2002, 24, 338-343.	0.8	25
15	Serotoninergic pain modulation from the rostral ventromedial medulla (RVM) in chemotherapyâ€induced neuropathy: The role of spinal 5â€HT3 receptors. European Journal of Neuroscience, 2020, 51, 1756-1769.	1.2	25
16	The l-3,4-dihydroxyphenylalanine transporter in human and rat epithelial intestinal cells is a type 2 hetero amino acid exchanger. European Journal of Pharmacology, 2002, 441, 127-135.	1.7	24
17	Cloning and gene silencing of LAT2, the Lâ€3,4â€dihydroxyphenylalanine (lâ€DOPA) transporter, in pig renal LLCâ€PK epithelial cells. FASEB Journal, 2004, 18, 1489-1498.	0.2	22
18	Renal Dopaminergic System Activity in the Rat Remnant Kidney. Nephron Experimental Nephrology, 2005, 99, e46-e55.	2.4	22

#	Article	IF	Citations
19	Sodium-dependent modulation of systemic and urinary renalase expression and activity in the rat remnant kidney. Journal of Hypertension, 2013, 31, 543-553.	0.3	21
20	Blood pressure decrease in spontaneously hypertensive rats folowing renal denervation or dopamine Î²-hydroxylase inhibition with etamicastat. Hypertension Research, 2015, 38, 605-612.	1.5	19
21	Effects of cyclic hydrostatic pressure on the brain biogenic amines concentrations in the flounder, Platichthys flesus. General and Comparative Endocrinology, 2007, 153, 385-389.	0.8	18
22	Glycaemic control with insulin prevents the reduced renal dopamine D1 receptor expression and function in streptozotocin-induced diabetes. Nephrology Dialysis Transplantation, 2010, 25, 2945-2953.	0.4	18
23	Epinephrine Released During Traumatic Events May Strengthen Contextual Fear Memory Through Increased Hippocampus mRNA Expression of Nr4a Transcription Factors. Frontiers in Molecular Neuroscience, 2018, 11, 334.	1.4	17
24	The O-methylated derivative of l-DOPA, 3-O-methyl-l-DOPA, fails to inhibit neuronal and non-neuronal aromatic l-amino acid decarboxylase. Brain Research, 2000, 863, 293-297.	1.1	16
25	Underexpression of the Na+-dependent neutral amino acid transporter ASCT2 in the spontaneously hypertensive rat kidney. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R538-R547.	0.9	16
26	Attenuated Aortic Vasodilation and Sympathetic Prejunctional Facilitation in Epinephrine-Deficient Mice: Selective Impairment of Î²₂-Adrenoceptor Responses. Journal of Pharmacology and Experimental Therapeutics, 2014, 351, 243-249.	1.3	16
27	Renalase regulates peripheral and central dopaminergic activities. American Journal of Physiology - Renal Physiology, 2015, 308, F84-F91.	1.3	16
28	Liver says no: the ongoing search for safe catechol O-methyltransferase inhibitors to replace tolcapone. Drug Discovery Today, 2020, 25, 1846-1854.	3.2	16
29	Impact of physical exercise on catechol-O-methyltransferase activity in depressive patients: A preliminary communication. Journal of Affective Disorders, 2016, 193, 117-122.	2.0	15
30	Epinephrine May Contribute to the Persistence of Traumatic Memories in a Post-traumatic Stress Disorder Animal Model. Frontiers in Molecular Neuroscience, 2020, 13, 588802.	1.4	15
31	Effect of Saline Load and Metoclopramide on the Renal Dopaminergic System in Patients with Heart Failure and Healthy Controls. Journal of Cardiovascular Pharmacology, 2005, 45, 197-203.	0.8	14
32	Chronic stress leads to long-lasting deficits in olfactory-guided behaviors, and to neuroplastic changes in the nucleus of the lateral olfactory tract. Hormones and Behavior, 2018, 98, 130-144.	1.0	14
33	Effect of Water Avoidance Stress on serum and urinary NGF levels in rats: diagnostic and therapeutic implications for BPS/IC patients. Scientific Reports, 2019, 9, 14113.	1.6	14
34	Acute Hypotensive, Natriuretic, and Hormonal Effects of Nifedipine in Salt-Sensitive and Salt-Resistant Black Normotensive and Hypertensive Subjects. Journal of Cardiovascular Pharmacology, 1999, 34, 346-353.	0.8	14
35	Epinephrine increases contextual learning through activation of peripheral Î²2-adrenoceptors. Psychopharmacology, 2016, 233, 2099-2108.	1.5	13
36	Regulation of corneal noradrenaline release and topography of sympathetic innervation: Functional implications for adrenergic mechanisms in the human cornea. Experimental Eye Research, 2018, 174, 121-132.	1.2	13

#	Article	IF	Citations
37	Neurohormonal activation, the renal dopaminergic system and sodium handling in patients with severe heart failure under vasodilator therapy. Clinical Science, 2001, 100, 557.	1.8	12
38	INTESTINAL DOPAMINERGIC ACTIVITY IN OBESE AND LEAN ZUCKER RATS: RESPONSE TO HIGH SALT INTAKE. Clinical and Experimental Hypertension, 2002, 24, 383-396.	0.5	12
39	Effect of Clonidine on Tyrosine Hydroxylase Activity in the Adrenal Medulla and Brain of Spontaneously Hypertensive Rats. Basic and Clinical Pharmacology and Toxicology, 2009, 104, 113-121.	1.2	12
40	Age-related changes in the renal dopaminergic system and expression of renal amino acid transporters in WKY and SHR rats. Mechanisms of Ageing and Development, 2011, 132, 298-304.	2.2	12
41	Uptake of l-3,4-dihydroxyphenylalanine and dopamine formation in cultured renal epithelial cells. Biochemical Pharmacology, 1997, 54, 1037-1046.	2.0	11
42	Effects of cyclic and constant hydrostatic pressure on norepinephrine and epinephrine levels in the brain of flounder. Journal of Fish Biology, 2006, 68, 1300-1307.	0.7	11
43	Blunted renal dopaminergic system activity in puromycin aminonucleoside-induced nephrotic syndrome. Nephrology Dialysis Transplantation, 2006, 21, 314-323.	0.4	11
44	Effects of nepicastat upon dopamine-Î²-hydroxylase activity and dopamine and norepinephrine levels in the rat left ventricle, kidney, and adrenal gland. Clinical and Experimental Hypertension, 2020, 42, 118-125.	0.5	11
45	Differences in the renal dopaminergic system activity between Wistar rats from two suppliers. Acta Physiologica Scandinavica, 2003, 178, 83-89.	2.3	10
46	Acute salt loading induces sympathetic nervous system overdrive in mice lacking salt-inducible kinase 1 (SIK1). Hypertension Research, 2019, 42, 1114-1124.	1.5	10
47	Attenuation of the Diffuse Noxious Inhibitory Controls in Chronic Joint Inflammatory Pain Is Accompanied by Anxiodepressive-Like Behaviors and Impairment of the Descending Noradrenergic Modulation. International Journal of Molecular Sciences, 2020, 21, 2973.	1.8	10
48	Expression and function of LAT1, a neutral amino acid exchanger, in renal porcine epithelial cell line LLC-PK1. Acta Physiologica Scandinavica, 2005, 185, 71-78.	2.3	9
49	Blunted renal dopaminergic system in a mouse model of diet-induced obesity. Experimental Biology and Medicine, 2012, 237, 949-955.	1.1	9
50	Antihypertensive effect of etamicastat in dopamine D2 receptor-deficient mice. Hypertension Research, 2018, 41, 489-498.	1.5	9
51	Pharmacodynamic evaluation of novel Catechol-O-methyltransferase inhibitors. European Journal of Pharmacology, 2019, 847, 53-60.	1.7	9
52	Organ specific underexpression renal of Na+-dependent B0AT1 in the SHR correlates positively with overexpression of NHE3 and salt intake. Molecular and Cellular Biochemistry, 2007, 306, 9-18.	1.4	8
53	Adrenal Î±2-adrenergic receptors in the aging normotensive and spontaneously hypertensive rat. Neurobiology of Aging, 2012, 33, 969-978.	1.5	8
54	Concentration gradient of noradrenaline from the periphery to the centre of the cornea - A clue to its origin. Experimental Eye Research, 2018, 168, 107-114.	1.2	8

#	Article	IF	Citations
55	Treatment With Nepicastat Decreases Contextual Traumatic Memories Persistence in Post-traumatic Stress Disorder. Frontiers in Molecular Neuroscience, 2021, 14, 745219.	1.4	8
56	Salt intake and intestinal dopaminergic activity in adult and old Fischer 344 rats. Life Sciences, 2001, 69, 1957-1968.	2.0	7
57	Salt sensitivity of blood pressure in patients with psoriasis on ciclosporin therapy. British Journal of Dermatology, 2005, 152, 773-776.	1.4	7
58	Unexpected short- and long-term effects of chronic adolescent HU-210 exposure on emotional behavior. Neuropharmacology, 2022, 214, 109155.	2.0	7
59	Targeting cannabinoid receptor 2 (CB2) limits collagen productionâ€"An in vitro study in a primary culture of human fibroblasts. Fundamental and Clinical Pharmacology, 2022, 36, 89-99.	1.0	6
60	Catechol-O-methyltransferase activity is higher in psoriasis patients and is down-regulated by narrowband ultraviolet B treatment. European Journal of Dermatology, 2013, 23, 49-52.	0.3	6
61	Renal Dopamine and Salt Sensitivity of Blood Pressure in IgA Nephropathy. Kidney and Blood Pressure Research, 2004, 27, 78-87.	0.9	4
62	Blunted renal dopaminergic system activity in HgCl2-induced membranous nephropathy. Life Sciences, 2006, 78, 1246-1255.	2.0	4
63	Overexpression of Non-Functional LAT1/4F2hc in Renal Proximal Tubular Epithelial Cells from the Spontaneous Hypertensive Rat. Cellular Physiology and Biochemistry, 2007, 20, 535-548.	1.1	4
64	Catecholâ€‹<i>‹scp›O‹/scp›‹/i›â€methyltransferase activity in psoriasis patients treated with psoralen plus ultraviolet ‹scp›A‹/scp› therapy. Photodermatology Photoimmunology and Photomedicine, 2013, 29, 227-232.	0.7	4
65	Hypertrophic Scars: Are Vitamins and Inflammatory Biomarkers Related with the Pathophysiology of Wound Healing?. Obesity Surgery, 2017, 27, 3170-3178.	1.1	4
66	Dietary tryptophan supplementation does not affect growth but increases brain serotonin level and modulates the expression of some liver genes in zebrafish (Danio rerio). Fish Physiology and Biochemistry, 2021, 47, 1541-1558.	0.9	4
67	Assessment of Renalase Activity on Catecholamines Degradation. Open Hypertension Journal, 2015, 7, 14-18.	0.8	4
68	Competitive and non-competitive inhibition of l-3,4-dihydroxyphenylalanine uptake in Opossum kidney cells. European Journal of Pharmacology, 1997, 332, 219-225.	1.7	3
69	Jejunal dopamine and Na+,K+-ATPase activity in early chronic renal insufficiency. Nephrology, 2006, 11, 63-67.	0.7	3
70	LAT1 overexpression and function compensates downregulation of ASCT2 in an in vitro model of renal proximal tubule cell ageing. Molecular and Cellular Biochemistry, 2011, 349, 107-116.	1.4	3
71	Î±‹sub›2C‹/sub›-Adrenoceptors modulate‹scp›l‹/scp›-DOPA uptake in opossum kidney cells and in the mouse kidney. American Journal of Physiology - Renal Physiology, 2012, 303, F928-F938.	1.3	3
72	Long-term food restriction attenuates age-related changes in the expression of renal aldosterone-sensitive sodium transporters in Wistar-Kyoto rats: A comparison with SHR. Experimental Gerontology, 2012, 47, 644-653.	1.2	3

#	Article	IF	Citations
73	Ultraviolet B radiation differentially modifies catechol-O-methyltransferase activity in keratinocytes and melanoma cells. Photodermatology Photoimmunology and Photomedicine, 2012, 28, 137-141.	0.7	3
74	Regulation of Renal LAT2 and 4F2hc Expression by Aldosterone. Journal of Epithelial Biology & Pharmacology, 2009, 2, 36-43.	1.2	3
75	Sotalol Treatment may Interfere With Retrieval, Expression, and/or Reconsolidation Processes Thus Disrupting Traumatic Memories in a Post-Traumatic Stress Disorder Mice Model. Frontiers in Pharmacology, 2021, 12, 809271.	1.6	3
76	Renal dopaminergic system in nephrotic syndrome and after remission. Nephrology Dialysis Transplantation, 1998, 13, 2559-2562.	0.4	2
77	Low epinephrine levels and selective deficiency of Î² 2 -adrenoceptor vasodilation at birth. Life Sciences, 2016, 156, 1-6.	2.0	2
78	The role of salt-inducible kinases on the modulation of renal and intestinal Na+,K+-ATPase activity during short- and long-term high-salt intake. European Journal of Pharmacology, 2021, 904, 174153.	1.7	2
79	Homogeneous or heterogeneous distribution of systemically administered adrenaline: organ dependence. Naunyn-Schmiedeberg's Archives of Pharmacology, 1996, 353, 579-83.	1.4	1
80	Jejunal Dopamine and Na⁺,K⁺-ATPase Activity in Nephrotic Syndrome. American Journal of Nephrology, 2005, 25, 382-392.	1.4	0
81	Association between S-COMT activity and impulsive and premeditated aggression in a population of violent offenders: preliminary results of a cross sectional study. F1000Research, 0, 11, 224.	0.8	0