

# Maria Paula Serrão

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

1,105  
citations

394286

19  
h-index

552653

26  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting cannabinoid receptor 2 (CB2) limits collagen production—An in vitro study in a primary culture of human fibroblasts. <i>Fundamental and Clinical Pharmacology</i> , 2022, 36, 89-99.	1.0	6
2	Unexpected short- and long-term effects of chronic adolescent HU-210 exposure on emotional behavior. <i>Neuropharmacology</i> , 2022, 214, 109155.	2.0	7
3	The role of salt-inducible kinases on the modulation of renal and intestinal Na <sup>+</sup> ,K <sup>+</sup> -ATPase activity during short- and long-term high-salt intake. <i>European Journal of Pharmacology</i> , 2021, 904, 174153.	1.7	2
4	Dietary tryptophan supplementation does not affect growth but increases brain serotonin level and modulates the expression of some liver genes in zebrafish ( <i>Danio rerio</i> ). <i>Fish Physiology and Biochemistry</i> , 2021, 47, 1541-1558.	0.9	4
5	Treatment With Nepicastat Decreases Contextual Traumatic Memories Persistence in Post-traumatic Stress Disorder. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 745219.	1.4	8
6	Sotalol Treatment may Interfere With Retrieval, Expression, and/or Reconsolidation Processes Thus Disrupting Traumatic Memories in a Post-Traumatic Stress Disorder Mice Model. <i>Frontiers in Pharmacology</i> , 2021, 12, 809271.	1.6	3
7	Effects of nepicastat upon dopamine- $\beta$ -hydroxylase activity and dopamine and norepinephrine levels in the rat left ventricle, kidney, and adrenal gland. <i>Clinical and Experimental Hypertension</i> , 2020, 42, 118-125.	0.5	11
8	Serotonergic pain modulation from the rostral ventromedial medulla (RVM) in chemotherapy-induced neuropathy: The role of spinal 5-HT <sub>3</sub> receptors. <i>European Journal of Neuroscience</i> , 2020, 51, 1756-1769.	1.2	25
9	Liver says no: the ongoing search for safe catechol O-methyltransferase inhibitors to replace tolcapone. <i>Drug Discovery Today</i> , 2020, 25, 1846-1854.	3.2	16
10	Epinephrine May Contribute to the Persistence of Traumatic Memories in a Post-traumatic Stress Disorder Animal Model. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 588802.	1.4	15
11	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. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2973.	1.8	10
12	Effect of Water Avoidance Stress on serum and urinary NGF levels in rats: diagnostic and therapeutic implications for BPS/IC patients. <i>Scientific Reports</i> , 2019, 9, 14113.	1.6	14
13	Pharmacodynamic evaluation of novel Catechol-O-methyltransferase inhibitors. <i>European Journal of Pharmacology</i> , 2019, 847, 53-60.	1.7	9
14	Acute salt loading induces sympathetic nervous system overdrive in mice lacking salt-inducible kinase 1 (SIK1). <i>Hypertension Research</i> , 2019, 42, 1114-1124.	1.5	10
15	Antihypertensive effect of etamicastat in dopamine D2 receptor-deficient mice. <i>Hypertension Research</i> , 2018, 41, 489-498.	1.5	9
16	Concentration gradient of noradrenaline from the periphery to the centre of the cornea - A clue to its origin. <i>Experimental Eye Research</i> , 2018, 168, 107-114.	1.2	8
17	Chronic stress leads to long-lasting deficits in olfactory-guided behaviors, and to neuroplastic changes in the nucleus of the lateral olfactory tract. <i>Hormones and Behavior</i> , 2018, 98, 130-144.	1.0	14
18	Epinephrine Released During Traumatic Events May Strengthen Contextual Fear Memory Through Increased Hippocampus mRNA Expression of Nr4a Transcription Factors. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 334.	1.4	17

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19	Regulation of corneal noradrenaline release and topography of sympathetic innervation: Functional implications for adrenergic mechanisms in the human cornea. <i>Experimental Eye Research</i> , 2018, 174, 121-132.	1.2	13
20	The water avoidance stress induces bladder pain due to a prolonged alpha1A adrenoceptor stimulation. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017, 390, 839-844.	1.4	28
21	Hypertrophic Scars: Are Vitamins and Inflammatory Biomarkers Related with the Pathophysiology of Wound Healing?. <i>Obesity Surgery</i> , 2017, 27, 3170-3178.	1.1	4
22	Low epinephrine levels and selective deficiency of $\beta_2$ -adrenoceptor vasodilation at birth. <i>Life Sciences</i> , 2016, 156, 1-6.	2.0	2
23	Development of Blood-Brain Barrier Permeable Nitrocatechol-Based Catechol-O-Methyltransferase Inhibitors with Reduced Potential for Hepatotoxicity. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 7584-7597.	2.9	32
24	Epinephrine increases contextual learning through activation of peripheral $\beta_2$ -adrenoceptors. <i>Psychopharmacology</i> , 2016, 233, 2099-2108.	1.5	13
25	Impact of physical exercise on catechol-O-methyltransferase activity in depressive patients: A preliminary communication. <i>Journal of Affective Disorders</i> , 2016, 193, 117-122.	2.0	15
26	Blood pressure decrease in spontaneously hypertensive rats following renal denervation or dopamine $\beta_2$ -hydroxylase inhibition with etamicastat. <i>Hypertension Research</i> , 2015, 38, 605-612.	1.5	19
27	Renalase regulates peripheral and central dopaminergic activities. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F84-F91.	1.3	16
28	Assessment of Renalase Activity on Catecholamines Degradation. <i>Open Hypertension Journal</i> , 2015, 7, 14-18.	0.8	4
29	Attenuated Aortic Vasodilation and Sympathetic Prejunctional Facilitation in Epinephrine-Deficient Mice: Selective Impairment of $\beta_2$ -Adrenoceptor Responses. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 351, 243-249.	1.3	16
30	Catechol-O-methyltransferase activity in psoriasis patients treated with psoralen plus ultraviolet A therapy. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2013, 29, 227-232.	0.7	4
31	Sodium-dependent modulation of systemic and urinary renalase expression and activity in the rat remnant kidney. <i>Journal of Hypertension</i> , 2013, 31, 543-553.	0.3	21
32	Catechol-O-methyltransferase activity is higher in psoriasis patients and is down-regulated by narrowband ultraviolet B treatment. <i>European Journal of Dermatology</i> , 2013, 23, 49-52.	0.3	6
33	$\beta_2$ -Adrenoceptors modulate DOPA uptake in opossum kidney cells and in the mouse kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, F928-F938.	1.3	3
34	Blunted renal dopaminergic system in a mouse model of diet-induced obesity. <i>Experimental Biology and Medicine</i> , 2012, 237, 949-955.	1.1	9
35	Adrenal $\beta_2$ -adrenergic receptors in the aging normotensive and spontaneously hypertensive rat. <i>Neurobiology of Aging</i> , 2012, 33, 969-978.	1.5	8
36	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. <i>Experimental Gerontology</i> , 2012, 47, 644-653.	1.2	3

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37	Ultraviolet B radiation differentially modifies catechol-O-methyltransferase activity in keratinocytes and melanoma cells. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2012, 28, 137-141.	0.7	3
38	Age-related changes in the renal dopaminergic system and expression of renal amino acid transporters in WKY and SHR rats. <i>Mechanisms of Ageing and Development</i> , 2011, 132, 298-304.	2.2	12
39	Age-related changes in renal expression of oxidant and antioxidant enzymes and oxidative stress markers in male SHR and WKY rats. <i>Experimental Gerontology</i> , 2011, 46, 468-474.	1.2	28
40	LAT1 overexpression and function compensates downregulation of ASCT2 in an in vitro model of renal proximal tubule cell ageing. <i>Molecular and Cellular Biochemistry</i> , 2011, 349, 107-116.	1.4	3
41	Inhibition of basal and ultraviolet B-induced melanogenesis by cannabinoid CB1 receptors: a keratinocyte-dependent effect. <i>Archives of Dermatological Research</i> , 2011, 303, 201-210.	1.1	32
42	Glycaemic control with insulin prevents the reduced renal dopamine D1 receptor expression and function in streptozotocin-induced diabetes. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 2945-2953.	0.4	18
43	Effect of Clonidine on Tyrosine Hydroxylase Activity in the Adrenal Medulla and Brain of Spontaneously Hypertensive Rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009, 104, 113-121.	1.2	12
44	Regulation of Renal LAT2 and 4F2hc Expression by Aldosterone. <i>Journal of Epithelial Biology &amp; Pharmacology</i> , 2009, 2, 36-43.	1.2	3
45	Underexpression of the Na <sup>+</sup> -dependent neutral amino acid transporter ASCT2 in the spontaneously hypertensive rat kidney. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R538-R547.	0.9	16
46	High-salt intake and the renal expression of amino acid transporters in spontaneously hypertensive rats. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F1452-F1463.	1.3	27
47	Overexpression of Non-Functional LAT1/4F2hc in Renal Proximal Tubular Epithelial Cells from the Spontaneous Hypertensive Rat. <i>Cellular Physiology and Biochemistry</i> , 2007, 20, 535-548.	1.1	4
48	Effects of cyclic hydrostatic pressure on the brain biogenic amines concentrations in the flounder, <i>Platichthys flesus</i> . <i>General and Comparative Endocrinology</i> , 2007, 153, 385-389.	0.8	18
49	Organ specific underexpression renal of Na <sup>+</sup> -dependent B0AT1 in the SHR correlates positively with overexpression of NHE3 and salt intake. <i>Molecular and Cellular Biochemistry</i> , 2007, 306, 9-18.	1.4	8
50	Blunted renal dopaminergic system activity in HgCl <sub>2</sub> -induced membranous nephropathy. <i>Life Sciences</i> , 2006, 78, 1246-1255.	2.0	4
51	Effects of cyclic and constant hydrostatic pressure on norepinephrine and epinephrine levels in the brain of flounder. <i>Journal of Fish Biology</i> , 2006, 68, 1300-1307.	0.7	11
52	Jejunal dopamine and Na <sup>+</sup> ,K <sup>+</sup> -ATPase activity in early chronic renal insufficiency. <i>Nephrology</i> , 2006, 11, 63-67.	0.7	3
53	Blunted renal dopaminergic system activity in puromycin aminonucleoside-induced nephrotic syndrome. <i>Nephrology Dialysis Transplantation</i> , 2006, 21, 314-323.	0.4	11
54	Effect of Saline Load and Metoclopramide on the Renal Dopaminergic System in Patients with Heart Failure and Healthy Controls. <i>Journal of Cardiovascular Pharmacology</i> , 2005, 45, 197-203.	0.8	14

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55	Expression and function of LAT1, a neutral amino acid exchanger, in renal porcine epithelial cell line LLC-PK1. <i>Acta Physiologica Scandinavica</i> , 2005, 185, 71-78.	2.3	9
56	Salt sensitivity of blood pressure in patients with psoriasis on ciclosporin therapy. <i>British Journal of Dermatology</i> , 2005, 152, 773-776.	1.4	7
57	Jejunal Dopamine and Na <sup>+</sup> /K <sup>+</sup> -ATPase Activity in Nephrotic Syndrome. <i>American Journal of Nephrology</i> , 2005, 25, 382-392.	1.4	0
58	Renal Dopaminergic System Activity in the Rat Remnant Kidney. <i>Nephron Experimental Nephrology</i> , 2005, 99, e46-e55.	2.4	22
59	Renal Dopamine and Salt Sensitivity of Blood Pressure in IgA Nephropathy. <i>Kidney and Blood Pressure Research</i> , 2004, 27, 78-87.	0.9	4
60	Cloning and gene silencing of LAT2, the L-3,4-dihydroxyphenylalanine (L-DOPA) transporter, in pig renal LLC-PK epithelial cells. <i>FASEB Journal</i> , 2004, 18, 1489-1498.	0.2	22
61	The effect of dietary sodium restriction on neurohumoral activity and renal dopaminergic response in patients with heart failure. <i>European Journal of Heart Failure</i> , 2004, 6, 593-599.	2.9	65
62	Over-expression of renal LAT1 and LAT2 and enhanced L-DOPA uptake in SHR immortalized renal proximal tubular cells. <i>Kidney International</i> , 2004, 66, 216-226.	2.6	42
63	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. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, F252-F261.	1.3	33
64	Differences in the renal dopaminergic system activity between Wistar rats from two suppliers. <i>Acta Physiologica Scandinavica</i> , 2003, 178, 83-89.	2.3	10
65	Organ-Specific Overexpression of Renal LAT2 and Enhanced Tubular L-DOPA Uptake Precede the Onset of Hypertension. <i>Hypertension</i> , 2003, 42, 613-618.	1.3	29
66	INTESTINAL DOPAMINERGIC ACTIVITY IN OBESE AND LEAN ZUCKER RATS: RESPONSE TO HIGH SALT INTAKE. <i>Clinical and Experimental Hypertension</i> , 2002, 24, 383-396.	0.5	12
67	The L-3,4-dihydroxyphenylalanine transporter in human and rat epithelial intestinal cells is a type 2 hetero amino acid exchanger. <i>European Journal of Pharmacology</i> , 2002, 441, 127-135.	1.7	24
68	Plasma Catecholamines in Buerger's Disease: Effects of Cigarette Smoking and Surgical Sympathectomy. <i>European Journal of Vascular and Endovascular Surgery</i> , 2002, 24, 338-343.	0.8	25
69	Salt intake and intestinal dopaminergic activity in adult and old Fischer 344 rats. <i>Life Sciences</i> , 2001, 69, 1957-1968.	2.0	7
70	Neurohormonal activation, the renal dopaminergic system and sodium handling in patients with severe heart failure under vasodilator therapy. <i>Clinical Science</i> , 2001, 100, 557.	1.8	12
71	D1-like dopamine receptor activation and natriuresis by nitrocatechol COMT inhibitors. <i>Kidney International</i> , 2001, 59, 1683-1694.	2.6	25
72	The O-methylated derivative of L-DOPA, 3-O-methyl-L-DOPA, fails to inhibit neuronal and non-neuronal aromatic L-amino acid decarboxylase. <i>Brain Research</i> , 2000, 863, 293-297.	1.1	16

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73	Concerted action of dopamine on renal and intestinal Na <sup>+</sup> -K <sup>+</sup> -ATPase in the rat remnant kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 279, F1033-F1044.	1.3	27
74	SALT INTAKE AND SENSITIVITY OF INTESTINAL AND RENAL Na <sup>+</sup> -K <sup>+</sup> -ATPase TO INHIBITION BY DOPAMINE IN SPONTANEOUS HYPERTENSIVE AND WISTAR-KYOTO RATS. <i>Clinical and Experimental Hypertension</i> , 2000, 22, 455-469.	0.5	26
75	Acute Hypotensive, Natriuretic, and Hormonal Effects of Nifedipine in Salt-Sensitive and Salt-Resistant Black Normotensive and Hypertensive Subjects. <i>Journal of Cardiovascular Pharmacology</i> , 1999, 34, 346-353.	0.8	14
76	Reduced Urinary Excretion of Dopamine and Metabolites in Chronic Renal Parenchymal Disease. <i>Kidney and Blood Pressure Research</i> , 1998, 21, 59-65.	0.9	26
77	Renal dopaminergic system in nephrotic syndrome and after remission. <i>Nephrology Dialysis Transplantation</i> , 1998, 13, 2559-2562.	0.4	2
78	Uptake of l-3,4-dihydroxyphenylalanine and dopamine formation in cultured renal epithelial cells. <i>Biochemical Pharmacology</i> , 1997, 54, 1037-1046.	2.0	11
79	Competitive and non-competitive inhibition of l-3,4-dihydroxyphenylalanine uptake in Opossum kidney cells. <i>European Journal of Pharmacology</i> , 1997, 332, 219-225.	1.7	3
80	Homogeneous or heterogeneous distribution of systemically administered adrenaline: organ dependence. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1996, 353, 579-83.	1.4	1
81	Association between S-COMT activity and impulsive and premeditated aggression in a population of violent offenders: preliminary results of a cross sectional study. <i>F1000Research</i> , 0, 11, 224.	0.8	0