

Emília C Monteiro

List of Publications by Year in descending order

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79
papers

1,671
citations

331670

21
h-index

345221

36
g-index

81
all docs

81
docs citations

81
times ranked

1900
citing authors

#	ARTICLE	IF	CITATIONS
1	Carotid Body Denervation Prevents the Development of Insulin Resistance and Hypertension Induced by Hypercaloric Diets. <i>Diabetes</i> , 2013, 62, 2905-2916.	0.6	172
2	Ventilatory effects of adenosine mediated by carotid body chemoreceptors in the rat. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1987, 335, 143-8.	3.0	108
3	Chronic caffeine intake decreases circulating catecholamines and prevents diet-induced insulin resistance and hypertension in rats. <i>British Journal of Nutrition</i> , 2012, 107, 86-95.	2.3	79
4	Hypoxia induces adenosine release from the rat carotid body. <i>Journal of Neurochemistry</i> , 2004, 89, 1148-1156.	3.9	77
5	Carotid body, insulin, and metabolic diseases: unraveling the links. <i>Frontiers in Physiology</i> , 2014, 5, 418.	2.8	67
6	Essential competencies in prescribing: A first european cross-sectional study among 895 final-year medical students. <i>Clinical Pharmacology and Therapeutics</i> , 2017, 101, 281-289.	4.7	65
7	Hypoxic intensity: a determinant for the contribution of ATP and adenosine to the genesis of carotid body chemosensory activity. <i>Journal of Applied Physiology</i> , 2012, 112, 2002-2010.	2.5	54
8	An antagonistic interaction between A _{2B} adenosine and D ₂ dopamine receptors modulates the function of rat carotid body chemoreceptor cells. <i>Journal of Neurochemistry</i> , 2008, 107, 1369-1381.	3.9	39
9	Usefulness of zebrafish larvae to evaluate drug-induced functional and morphological renal tubular alterations. <i>Archives of Toxicology</i> , 2018, 92, 411-423.	4.2	39
10	Evidence for nevirapine bioactivation in man: Searching for the first step in the mechanism of nevirapine toxicity. <i>Toxicology</i> , 2012, 301, 33-39.	4.2	35
11	Insulin resistance is associated with tissue-specific regulation of HIF-1 \pm and HIF-2 \pm during mild chronic intermittent hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2016, 228, 30-38.	1.6	35
12	Adenosine in Peripheral Chemoreception: New Insights into a Historically Overlooked Molecule – Invited Article. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 145-159.	1.6	32
13	Reactive Aldehyde Metabolites from the Anti-HIV Drug Abacavir: Amino Acid Adducts as Possible Factors in Abacavir Toxicity. <i>Chemical Research in Toxicology</i> , 2011, 24, 2129-2141.	3.3	31
14	Function of the rat carotid body chemoreceptors in ageing. <i>Journal of Neurochemistry</i> , 2006, 99, 711-723.	3.9	28
15	Purines and Carotid Body: New Roles in Pathological Conditions. <i>Frontiers in Pharmacology</i> , 2017, 8, 913.	3.5	27
16	Adenosine deaminase and adenosine uptake inhibitions facilitate ventilation in rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1989, 340, 230-8.	3.0	26
17	Long-term and concentration-dependent beneficial effect of efavirenz on HDL-cholesterol in HIV-infected patients. <i>British Journal of Clinical Pharmacology</i> , 2006, 61, 601-604.	2.4	25
18	The impact of chronic intermittent hypoxia on hematopoiesis and the bone marrow microenvironment. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 919-932.	2.8	25

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19	Implications of sulfotransferase activity in interindividual variability in drug response: clinical perspective on current knowledge. <i>Drug Metabolism Reviews</i> , 2017, 49, 357-371.	3.6	25
20	Activation of nicotinic ACh receptors with $\alpha 4$ subunits induces adenosine release at the rat carotid body. <i>British Journal of Pharmacology</i> , 2006, 147, 783-789.	5.4	24
21	<p>Metabolic Dysfunction and Asthma: Current Perspectives</p>. <i>Journal of Asthma and Allergy</i> , 2020, Volume 13, 237-247.	3.4	24
22	Bioactivation to an aldehyde metaboliteâ€”Possible role in the onset of toxicity induced by the anti-HIV drug abacavir. <i>Toxicology Letters</i> , 2014, 224, 416-423.	0.8	23
23	Intra-Individual Variability in Efavirenz Plasma Concentrations Supports Therapeutic Drug Monitoring Based on Quarterly Sampling in the First Year of Therapy. <i>Therapeutic Drug Monitoring</i> , 2008, 30, 60-66.	2.0	22
24	Chronic Caffeine Intake in Adult Rat Inhibits Carotid Body Sensitization Produced by Chronic Sustained Hypoxia but Maintains Intact Chemoreflex Output. <i>Molecular Pharmacology</i> , 2012, 82, 1056-1065.	2.3	21
25	Differences in nevirapine biotransformation as a factor for its sex-dependent dimorphic profile of adverse drug reactions. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 476-482.	3.0	21
26	Unmasking efavirenz neurotoxicity: Time matters to the underlying mechanisms. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 105, 47-54.	4.0	21
27	Efavirenz concentrations in HIVâ€infectected patients with and without viral hepatitis. <i>British Journal of Clinical Pharmacology</i> , 2008, 66, 551-555.	2.4	20
28	Monitoring abacavir bioactivation in humans: Screening for an aldehyde metabolite. <i>Toxicology Letters</i> , 2013, 219, 59-64.	0.8	20
29	The efficacy of antihypertensive drugs in chronic intermittent hypoxia conditions. <i>Frontiers in Physiology</i> , 2014, 5, 361.	2.8	19
30	<i>N</i>-terminal valine adduct from the antiâ€HIV drug abacavir in rat haemoglobin as evidence for abacavir metabolism to a reactive aldehyde <i>in vivo</i>. <i>British Journal of Pharmacology</i> , 2012, 167, 1353-1361.	5.4	17
31	Efficacy of carvedilol in reversing hypertension induced by chronic intermittent hypoxia in rats. <i>European Journal of Pharmacology</i> , 2015, 765, 58-67.	3.5	17
32	Mercapturate Pathway in the Tubulocentric Perspective of Diabetic Kidney Disease. <i>Nephron</i> , 2019, 143, 17-23.	1.8	17
33	Profiles for ATP and Adenosine Release at the Carotid Body in Response to O ₂ Concentrations. , 2006, 580, 179-184.		16
34	Voluntary Oral Administration of Losartan in Rats. <i>Journal of the American Association for Laboratory Animal Science</i> , 2015, 54, 549-56.	1.2	16
35	Acute hypoxia modifies cAMP levels induced by inhibitors of phosphodiesteraseâ€4 in rat carotid bodies, carotid arteries and superior cervical ganglia. <i>British Journal of Pharmacology</i> , 2010, 159, 353-361.	5.4	15
36	Revisiting cAMP signaling in the carotid body. <i>Frontiers in Physiology</i> , 2014, 5, 406.	2.8	15

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37	Inhibition by 1,3-dipropyl-8(p-sulfophenyl)xanthine of the respiratory stimulation induced by common carotid occlusion in rats. <i>Life Sciences</i> , 1989, 45, 939-945.	4.3	14
38	Adenosine and the bradycardiac response to vagus nerve stimulation in rats. <i>European Journal of Pharmacology</i> , 1991, 204, 193-202.	3.5	14
39	Bicarbonate-Regulated Soluble Adenylyl Cyclase (sAC) mRNA Expression and Activity in Peripheral Chemoreceptors. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 235-241.	1.6	14
40	Bicarbonate-sensitive soluble and transmembrane adenylyl cyclases in peripheral chemoreceptors. <i>Respiratory Physiology and Neurobiology</i> , 2013, 188, 83-93.	1.6	14
41	Hippocampal neurogenesis response: What can we expect from two different models of hypertension?. <i>Brain Research</i> , 2016, 1646, 199-206.	2.2	14
42	Contribution of adenosine and ATP to the carotid body chemosensory activity in ageing. <i>Journal of Physiology</i> , 2019, 597, 4991-5008.	2.9	14
43	Appropriate antibiotic prescribing among final-year medical students in Europe. <i>International Journal of Antimicrobial Agents</i> , 2019, 54, 375-379.	2.5	14
44	First evidence of aryl hydrocarbon receptor as a druggable target in hypertension induced by chronic intermittent hypoxia. <i>Pharmacological Research</i> , 2020, 159, 104869.	7.1	14
45	Long-term maraviroc use as salvage therapy in HIV-2 infection. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 2538-2539.	3.0	13
46	Quantification of the arylesterase activity of paraoxonase-1 in human blood. <i>Analytical Methods</i> , 2014, 6, 289-294.	2.7	13
47	Zebrafish Larvae Are a Suitable Model to Investigate the Metabolic Phenotype of Drug-Induced Renal Tubular Injury. <i>Frontiers in Pharmacology</i> , 2018, 9, 1193.	3.5	13
48	AHR canonical pathway: in vivo findings to support novel antihypertensive strategies. <i>Pharmacological Research</i> , 2021, 165, 105407.	7.1	12
49	Investigator-initiated clinical trials conducted by the Portuguese Clinical Research Infrastructure Network (PtCRIN). <i>Contemporary Clinical Trials Communications</i> , 2016, 4, 141-148.	1.1	11
50	Transparency and accuracy in funding investigator-initiated clinical trials: a systematic search in clinical trials databases. <i>BMJ Open</i> , 2019, 9, e023394.	1.9	11
51	Switching from a traditional undergraduate programme in (clinical) pharmacology and therapeutics to a problem-based learning programme. <i>European Journal of Clinical Pharmacology</i> , 2021, 77, 421-429.	1.9	11
52	On the Adenosine Receptor Involved in the Excitatory Action of Adenosine on Respiration: Antagonist Profile. <i>Nucleosides & Nucleotides</i> , 1991, 10, 945-953.	0.5	10
53	Adenosine-Dopamine Interactions and Ventilation Mediated Through Carotid Body Chemoreceptors. <i>Advances in Experimental Medicine and Biology</i> , 2002, 475, 671-684.	1.6	10
54	Effect of efavirenz on high-density lipoprotein antioxidant properties in HIV-infected patients. <i>British Journal of Clinical Pharmacology</i> , 2009, 68, 891-897.	2.4	10

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55	Singularities of nevirapine metabolism: from sex-dependent differences to idiosyncratic toxicity. <i>Drug Metabolism Reviews</i> , 2019, 51, 76-90.	3.6	10
56	Cysteine as a Multifaceted Player in Kidney, the Cysteine-Related Thiome and Its Implications for Precision Medicine. <i>Molecules</i> , 2022, 27, 1416.	3.8	10
57	Development and validation of an HPLC-UV method for quantifying nevirapine and its main phase I metabolites in human blood. <i>Analytical Methods</i> , 2014, 6, 1575.	2.7	9
58	Cysteine Oxidative Dynamics Underlies Hypertension and Kidney Dysfunction Induced by Chronic Intermittent Hypoxia. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1071, 83-88.	1.6	9
59	Aryl Hydrocarbon Receptor and Cysteine Redox Dynamics Underlie (Mal)adaptive Mechanisms to Chronic Intermittent Hypoxia in Kidney Cortex. <i>Antioxidants</i> , 2021, 10, 1484.	5.1	9
60	The A2B-D2 Receptor Interaction that Controls Carotid Body Catecholamines Release Locates Between the Last Two Steps of Hypoxic Transduction Cascade. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 161-168.	1.6	8
61	Effect of Oxygen on Phosphodiesterases (PDE) 3 and 4 Isoforms and PKA Activity in the Superior Cervical Ganglia. <i>Advances in Experimental Medicine and Biology</i> , 2012, 758, 287-294.	1.6	8
62	Efavirenz biotransformation as an up-stream event of mood changes in HIV-infected patients. <i>Toxicology Letters</i> , 2016, 260, 28-35.	0.8	7
63	Nevirapine modulation of paraoxonase-1 in the liver: An in vitro three-model approach. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 82, 147-153.	4.0	7
64	The mercapturomic profile of health and non-communicable diseases. <i>High-Throughput</i> , 2019, 8, 10.	4.4	7
65	Contribution of Dopamine D2 Receptors for the cAMP Levels at the Carotid Body. <i>Advances in Experimental Medicine and Biology</i> , 2003, 536, 367-373.	1.6	7
66	Chronic Intermittent Hypoxia Induces Early-Stage Metabolic Dysfunction Independently of Adipose Tissue Deregulation. <i>Antioxidants</i> , 2021, 10, 1233.	5.1	6
67	Neck circumference and body mass index as independent predictors of hypertension misclassification in patients suspected of having obstructive sleep apnea. <i>Blood Pressure Monitoring</i> , 2015, 20, 8-15.	0.8	4
68	The Association Between Antihypertensive Medication and Blood Pressure Control in Patients with Obstructive Sleep Apnea. <i>Advances in Experimental Medicine and Biology</i> , 2015, 860, 201-209.	1.6	4
69	Medicines for the Treatment Of COVID-19: Awaiting the Evidence. <i>Acta Medica Portuguesa</i> , 2020, 33, 500-504.	0.4	4
70	Insights into the Role of Bioactivation Mechanisms in the Toxic Events Elicited by Non-nucleoside Reverse Transcriptase Inhibitors. <i>Advances in Molecular Toxicology</i> , 2012, 6, 1-39.	0.4	3
71	A Mechanistic-Based and Non-invasive Approach to Quantify the Capability of Kidney to Detoxify Cysteine-Disulfides. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1306, 109-120.	1.6	3
72	Does Ageing Modify Ventilatory Responses to Dopamine in Anaesthetised Rats Breathing Spontaneously?. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 265-271.	1.6	3

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73	Effect of Chronic Caffeine Intake on Carotid Body Catecholamine Dynamics in Control and Chronically Hypoxic Rats. <i>Advances in Experimental Medicine and Biology</i> , 2012, 758, 315-323.	1.6	2
74	Dysmetabolism and Sleep Fragmentation in Obstructive Sleep Apnea Patients Run Independently of High Caffeine Consumption. <i>Nutrients</i> , 2022, 14, 1382.	4.1	2
75	The 2-hydroxy-nevirapine metabolite as a candidate for boosting apolipoprotein A1 and for modulating anti-HDL antibodies. <i>Pharmacological Research</i> , 2021, 165, 105446.	7.1	1
76	A simple method to measure sulfonation in man using paracetamol as probe drug. <i>Scientific Reports</i> , 2021, 11, 9036.	3.3	1
77	Adenosine-Acetylcholine Interactions at the Rat Carotid Body. <i>Advances in Experimental Medicine and Biology</i> , 2003, 536, 305-311.	1.6	1
78	Bicarbonate-regulated soluble Adenylyl Cyclase (sAC) mRNA expression in peripheral and central chemoreceptors. <i>FASEB Journal</i> , 2008, 22, 171-171.	0.5	1
79	Portuguese Authorship in Published Clinical Trials: Differences in Industry and Investigator Initiated Trials. <i>Acta Medica Portuguesa</i> , 2021, 34, 733-740.	0.4	1