

Sofia A Pereira

List of Publications by Year in descending order

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78
papers

1,180
citations

394421

19
h-index

477307

29
g-index

85
all docs

85
docs citations

85
times ranked

1412
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-Angiogenic Therapy: Current Challenges and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3765.	4.1	136
2	Cysteine metabolic circuitries: druggable targets in cancer. <i>British Journal of Cancer</i> , 2021, 124, 862-879.	6.4	103
3	Cysteine allows ovarian cancer cells to adapt to hypoxia and to escape from carboplatin cytotoxicity. <i>Scientific Reports</i> , 2018, 8, 9513.	3.3	52
4	HNF1 β drives glutathione (GSH) synthesis underlying intrinsic carboplatin resistance of ovarian clear cell carcinoma (OCCC). <i>Tumor Biology</i> , 2016, 37, 4813-4829.	1.8	47
5	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
6	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
7	Development and validation of an assay for the simultaneous determination of zidovudine, abacavir, emtricitabine, lamivudine, tenofovir and ribavirin in human plasma using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 919-920, 43-51.	2.3	34
8	Targeting Glutathione and Cystathionine β -Synthase in Ovarian Cancer Treatment by Selenium-Chrysin Polyurea Dendrimer Nanoformulation. <i>Nutrients</i> , 2019, 11, 2523.	4.1	33
9	Monocytes as Endothelial Progenitor Cells (EPCs), Another Brick in the Wall to Disentangle Tumor Angiogenesis. <i>Cells</i> , 2020, 9, 107.	4.1	33
10	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
11	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
12	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
13	Hepatocyte spheroids as a competent in vitro system for drug biotransformation studies: nevirapine as a bioactivation case study. <i>Archives of Toxicology</i> , 2017, 91, 1199-1211.	4.2	25
14	Improvement of neuronal differentiation by carbon monoxide: Role of pentose phosphate pathway. <i>Redox Biology</i> , 2018, 17, 338-347.	9.0	24
15	Bioactivation to an aldehyde metabolite-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
16	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
17	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
18	Cysteine boosts the evolutionary adaptation to CoCl ₂ mimicked hypoxia conditions, favouring carboplatin resistance in ovarian cancer. <i>BMC Evolutionary Biology</i> , 2018, 18, 97.	3.2	21

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19	Unmasking efavirenz neurotoxicity: Time matters to the underlying mechanisms. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 105, 47-54.	4.0	21
20	Efavirenz concentrations in HIV-1 infected patients with and without viral hepatitis. <i>British Journal of Clinical Pharmacology</i> , 2008, 66, 551-555.	2.4	20
21	Monitoring abacavir bioactivation in humans: Screening for an aldehyde metabolite. <i>Toxicology Letters</i> , 2013, 219, 59-64.	0.8	20
22	Anti-tumorigenic and Platinum-Sensitizing Effects of Apolipoprotein A1 and Apolipoprotein A1 Mimetic Peptides in Ovarian Cancer. <i>Frontiers in Pharmacology</i> , 2018, 9, 1524.	3.5	18
23	The Activation of Endothelial Cells Relies on a Ferroptosis-Like Mechanism: Novel Perspectives in Management of Angiogenesis and Cancer Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 656229.	2.8	18
24	Pharmacological blockage of the AHR-CYP1A1 axis: a call for in vivo evidence. <i>Journal of Molecular Medicine</i> , 2022, 100, 215-243.	3.9	18
25	Terminal valine adduct from the anti-HIV drug abacavir in rat haemoglobin as evidence for abacavir metabolism to a reactive aldehyde in vivo. <i>British Journal of Pharmacology</i> , 2012, 167, 1353-1361.	5.4	17
26	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
27	Mass Spectrometry-Based Methodologies for Targeted and Untargeted Identification of Protein Covalent Adducts (Adductomics): Current Status and Challenges. <i>High-Throughput</i> , 2019, 8, 9.	4.4	17
28	Mercapturate Pathway in the Tubulocentric Perspective of Diabetic Kidney Disease. <i>Nephron</i> , 2019, 143, 17-23.	1.8	17
29	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
30	Cysteine Boosts Fitness Under Hypoxia-Mimicked Conditions in Ovarian Cancer by Metabolic Reprogramming. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 722412.	3.7	15
31	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
32	Long-term maraviroc use as salvage therapy in HIV-2 infection. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 2538-2539.	3.0	13
33	The role of competitive binding to human serum albumin on efavirenz-warfarin interaction: a nuclear magnetic resonance study. <i>International Journal of Antimicrobial Agents</i> , 2013, 42, 443-446.	2.5	13
34	Quantification of the arylesterase activity of paraoxonase-1 in human blood. <i>Analytical Methods</i> , 2014, 6, 289-294.	2.7	13
35	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
36	High resolution mass spectrometry-based methodologies for identification of Etravirine bioactivation to reactive metabolites: In vitro and in vivo approaches. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 119, 70-82.	4.0	12

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37	AHR canonical pathway: in vivo findings to support novel antihypertensive strategies. <i>Pharmacological Research</i> , 2021, 165, 105407.	7.1	12
38	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
39	Nevirapine Biotransformation Insights: An Integrated In Vitro Approach Unveils the Biocompetence and Glutathiolomic Profile of a Human Hepatocyte-Like Cell 3D Model. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3998.	4.1	10
40	Singularities of nevirapine metabolism: from sex-dependent differences to idiosyncratic toxicity. <i>Drug Metabolism Reviews</i> , 2019, 51, 76-90.	3.6	10
41	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
42	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
43	The first-line antiepileptic drug carbamazepine: Reaction with biologically relevant free radicals. <i>Free Radical Biology and Medicine</i> , 2018, 129, 559-568.	2.9	9
44	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
45	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
46	Berry fruits modulate kidney dysfunction and urine metabolome in Dahl salt-sensitive rats. <i>Free Radical Biology and Medicine</i> , 2020, 154, 119-131.	2.9	8
47	Circulating (Poly)phenol Metabolites: Neuroprotection in a 3D Cell Model of Parkinson's Disease. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100959.	3.3	8
48	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
49	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
50	The mercapturomic profile of health and non-communicable diseases. <i>High-Throughput</i> , 2019, 8, 10.	4.4	7
51	Sex differences in hepatic and intestinal contributions to nevirapine biotransformation in rats. <i>Chemico-Biological Interactions</i> , 2015, 233, 115-121.	4.0	5
52	Quinoid derivatives of the nevirapine metabolites 2-hydroxy- and 3-hydroxy-nevirapine: activation pathway to amino acid adducts. <i>Toxicology Research</i> , 2015, 4, 1565-1577.	2.1	4
53	Covalent Histone Modification by an Electrophilic Derivative of the Anti-HIV Drug Nevirapine. <i>Molecules</i> , 2021, 26, 1349.	3.8	4
54	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

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55	Monitoring of the lactonase activity of paraoxonase-1 enzyme in HIV-1-infection. Journal of the International AIDS Society, 2014, 17, 19682.	3.0	3
56	A Mechanistic-Based and Non-invasive Approach to Quantify the Capability of Kidney to Detoxify Cysteine-Disulfides. Advances in Experimental Medicine and Biology, 2021, 1306, 109-120.	1.6	3
57	Sex differences in apolipoprotein A1 and nevirapine-induced toxicity. Journal of the International AIDS Society, 2014, 17, 19575.	3.0	2
58	Assessment of human paraoxonase activity by electrochemistry: a simple and novel approach. Analytical Methods, 2016, 8, 8141-8146.	2.7	2
59	Electrochemical Activity of Cytochrome P450 1A2: The Relevance of O ₂ Control and the Natural Electron Donor. ChemElectroChem, 2021, 8, 500-507.	3.4	2
60	Anti-histone antibodies in HIV-infected patients on Nevirapine-containing ANTIRETROVIRAL THERAPY. Clinical Therapeutics, 2015, 37, e142.	2.5	1
61	Special Issue "Adductomics: Elucidating the Environmental Causes of Disease". High-Throughput, 2019, 8, 17.	4.4	1
62	Changes in N-acetyltransferase 8 in kidney tubular cell: injury, recovery and mesenchymal stromal cell-based therapy. , 2019, , .		1
63	The 2-hydroxy-nevirapine metabolite as a candidate for boosting apolipoprotein A1 and for modulating anti-HDL antibodies. Pharmacological Research, 2021, 165, 105446.	7.1	1
64	A simple method to measure sulfonation in man using paracetamol as probe drug. Scientific Reports, 2021, 11, 9036.	3.3	1
65	HIV and antioxidant lipoprotein-associated effect. Is there a correlation?. Journal of the International AIDS Society, 2008, 11, P96.	3.0	0
66	Oral voluntary ingestion as a stress free alternative to orogastric gavage: The example of losartan chronic administration. Toxicology Letters, 2014, 229, S166-S167.	0.8	0
67	Thiol status in HIV-infected patients: The effect of nevirapine metabolism. Toxicology Letters, 2014, 229, S95.	0.8	0
68	Paraoxonase as part of endogenous free-radical scavenging system in zebrafish. Toxicology Letters, 2014, 229, S41.	0.8	0
69	An animal model to explore efavirenz toxicokinetics and its relation to neurological phenotype. Toxicology Letters, 2014, 229, S244.	0.8	0
70	Sex differences in hepatic and intestinal contributions for nevirapine biotransformation. Toxicology Letters, 2014, 229, S240-S241.	0.8	0
71	MP295 IS THERE A ROLE FOR SOLUBLE β -KLOTHO IN KIDNEY AND IMMUNE DYSFUNCTION OF HIV-INFECTED PATIENTS?. Nephrology Dialysis Transplantation, 2016, 31, i437-i437.	0.7	0
72	MP312 KIDNEY DISEASE PROGRESSION IN HIV-INFECTED PATIENTS RELATED WITH THE DETOXIFICATION OF ENDOGENOUS ELECTROPHILIC SPECIES. Nephrology Dialysis Transplantation, 2017, 32, iii540-iii541.	0.7	0

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73	MON-223 CHANGES IN MERCAPTURATES OF CYSTEINE-DISULFIDES ASSOCIATE TO ACUTE KIDNEY INJURY INDUCED BY CISPLATIN AND GENTAMICIN. <i>Kidney International Reports</i> , 2019, 4, S392-S393.	0.8	0
74	F13. PLATELET-LYMPHOCYTE RATIO AS A SHORT-TERM TREATMENT-RESPONSE PREDICTOR IN SCHIZOPHRENIA'S RELAPSE. <i>Schizophrenia Bulletin</i> , 2019, 45, S258-S259.	4.3	0
75	Electrochemical Activity of Cytochrome P450 1A2: The Relevance of O ₂ Control and the Natural Electron Donor. <i>ChemElectroChem</i> , 2021, 8, 430-430.	3.4	0
76	ARYL HYDROCARBON RECEPTOR ANTAGONISTS - A NEW ENTRY IN ANTIHYPERTENSIVE ARMAMENTARIUM OF OBSTRUCTIVE SLEEP APNEA?. <i>Journal of Hypertension</i> , 2021, 39, e255-e256.	0.5	0
77	Phenotyping SULT in Man: a Simple Metric Using Paracetamol as Probe. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
78	Hypertension induced by chronic intermittent hypoxia: Effects of carvedilol in a rat model. , 2015, , .		0