

# Renata Silva

## List of Publications by Year in descending order

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76  
papers

2,504  
citations

186265

28  
h-index

243625

44  
g-index

99  
all docs

99  
docs citations

99  
times ranked

3585  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of P-glycoprotein efflux pump: induction and activation as a therapeutic strategy. , 2015, 149, 1-123.		275
2	Human cancer cell antiproliferative and antioxidant activities of Juglans regia L.. Food and Chemical Toxicology, 2010, 48, 441-447.	3.6	243
3	Preparation, characterization and biocompatibility studies on risperidone-loaded solid lipid nanoparticles (SLN): High pressure homogenization versus ultrasound. Colloids and Surfaces B: Biointerfaces, 2011, 86, 158-165.	5.0	222
4	Cellular Models and In Vitro Assays for the Screening of modulators of P-gp, MRP1 and BCRP. Molecules, 2017, 22, 600.	3.8	91
5	First Report on Cydonia oblonga Miller Anticancer Potential: Differential Antiproliferative Effect against Human Kidney and Colon Cancer Cells. Journal of Agricultural and Food Chemistry, 2010, 58, 3366-3370.	5.2	89
6	Dysfunction of ABC transporters at the blood-brain barrier: Role in neurological disorders. , 2020, 213, 107554.		83
7	Oxidation Process of Adrenaline in Freshly Isolated Rat Cardiomyocytes: Formation of Adrenochrome, Quinoproteins, and GSH Adduct. Chemical Research in Toxicology, 2007, 20, 1183-1191.	3.3	68
8	3,4-Methylenedioxypropylamphetamine (MDPV): in vitro mechanisms of hepatotoxicity under normothermic and hyperthermic conditions. Archives of Toxicology, 2016, 90, 1959-1973.	4.2	62
9	Preparation, characterization and biocompatibility studies of thermoresponsive eyedrops based on the combination of nanostructured lipid carriers (NLC) and the polymer Pluronic F-127 for controlled delivery of ibuprofen. Pharmaceutical Development and Technology, 2017, 22, 336-349.	2.4	57
10	In vitro study of P-glycoprotein induction as an antidotal pathway to prevent cytotoxicity in Caco-2 cells. Archives of Toxicology, 2011, 85, 315-326.	4.2	51
11	Pro-oxidant effects of Ecstasy and its metabolites in mouse brain synaptosomes. British Journal of Pharmacology, 2012, 165, 1017-1033.	5.4	51
12	The mixture of "ecstasy" and its metabolites is toxic to human SH-SY5Y differentiated cells at in vivo relevant concentrations. Archives of Toxicology, 2014, 88, 455-473.	4.2	45
13	Influence of CYP2D6 polymorphism on 3,4-methylenedioxymethamphetamine ("Ecstasy"™) cytotoxicity. Pharmacogenetics and Genomics, 2006, 16, 789-799.	1.5	44
14	Cocaine-induced kidney toxicity: an in vitro study using primary cultured human proximal tubular epithelial cells. Archives of Toxicology, 2012, 86, 249-261.	4.2	43
15	Piperazine designer drugs induce toxicity in cardiomyoblast h9c2 cells through mitochondrial impairment. Toxicology Letters, 2014, 229, 178-189.	0.8	43
16	Chronic exposure to ethanol exacerbates MDMA-induced hyperthermia and exposes liver to severe MDMA-induced toxicity in CD1 mice. Toxicology, 2008, 252, 64-71.	4.2	40
17	Mitochondrial Cumulative Damage Induced by Mitoxantrone: Late Onset Cardiac Energetic Impairment. Cardiovascular Toxicology, 2014, 14, 30-40.	2.7	37
18	Characterization and biocompatibility evaluation of cutaneous formulations containing lipid nanoparticles. International Journal of Pharmaceutics, 2017, 519, 373-380.	5.2	37

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19	PEGylated PLGA Nanoparticles As a Smart Carrier to Increase the Cellular Uptake of a Coumarin-Based Monoamine Oxidase B Inhibitor. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39557-39569.	8.0	37
20	In Vitro Studies on Nasal Formulations of Nanostructured Lipid Carriers (NLC) and Solid Lipid Nanoparticles (SLN). <i>Pharmaceuticals</i> , 2021, 14, 711.	3.8	37
21	Induction and activation of P-glycoprotein by dihydroxylated xanthenes protect against the cytotoxicity of the P-glycoprotein substrate paraquat. <i>Archives of Toxicology</i> , 2014, 88, 937-951.	4.2	36
22	Adrenaline in pro-oxidant conditions elicits intracellular survival pathways in isolated rat cardiomyocytes. <i>Toxicology</i> , 2009, 257, 70-79.	4.2	35
23	P-glycoprotein induction in Caco-2 cells by newly synthesized thioxanthenes prevents paraquat cytotoxicity. <i>Archives of Toxicology</i> , 2015, 89, 1783-1800.	4.2	34
24	Colchicine effect on P-glycoprotein expression and activity: In silico and in vitro studies. <i>Chemico-Biological Interactions</i> , 2014, 218, 50-62.	4.0	33
25	Evaluation of the biocompatibility and skin hydration potential of vitamin E-loaded lipid nanosystems formulations: In vitro and human in vivo studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 242-249.	5.0	33
26	Adrenaline and reactive oxygen species elicit proteome and energetic metabolism modifications in freshly isolated rat cardiomyocytes. <i>Toxicology</i> , 2009, 260, 84-96.	4.2	30
27	Development of mucoadhesive and thermosensitive eyedrops to improve the ophthalmic bioavailability of ibuprofen. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 35, 69-80.	3.0	30
28	<i>In vitro</i> neurotoxicity evaluation of piperazine designer drugs in differentiated human neuroblastoma SH-SY5Y cells. <i>Journal of Applied Toxicology</i> , 2016, 36, 121-130.	2.8	30
29	Design of novel monoamine oxidase-B inhibitors based on piperine scaffold: Structure-activity-toxicity, drug-likeness and efflux transport studies. <i>European Journal of Medicinal Chemistry</i> , 2020, 185, 111770.	5.5	30
30	"Ecstasy"-induced toxicity in SH-SY5Y differentiated cells: role of hyperthermia and metabolites. <i>Archives of Toxicology</i> , 2014, 88, 515-531.	4.2	29
31	Fine-tuning the neuroprotective and blood-brain barrier permeability profile of multi-target agents designed to prevent progressive mitochondrial dysfunction. <i>European Journal of Medicinal Chemistry</i> , 2019, 167, 525-545.	5.5	29
32	Marine Natural Products, Multitarget Therapy and Repurposed Agents in Alzheimer's Disease. <i>Pharmaceuticals</i> , 2020, 13, 242.	3.8	29
33	Design and characterization of Nanostructured lipid carriers (NLC) and Nanostructured lipid carrier-based hydrogels containing <i>Passiflora edulis</i> seeds oil. <i>International Journal of Pharmaceutics</i> , 2021, 600, 120444.	5.2	28
34	Synergistic toxicity of ethanol and MDMA towards primary cultured rat hepatocytes. <i>Toxicology</i> , 2008, 254, 42-50.	4.2	27
35	Development and validation of a GC/IT-MS method for simultaneous quantitation of para and meta-synephrine in biological samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 721-726.	2.8	26
36	P-glycoprotein activity in human Caucasian male lymphocytes does not follow its increased expression during aging. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 912-919.	1.5	26

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37	Mechanisms of P-gp inhibition and effects on membrane fluidity of a new rifampicin derivative, 1,8-dibenzoyl-rifampicin. <i>Toxicology Letters</i> , 2013, 220, 259-266.	0.8	26
38	Doxorubicin decreases paraquat accumulation and toxicity in Caco-2 cells. <i>Toxicology Letters</i> , 2013, 217, 34-41.	0.8	23
39	Development of Novel Rifampicin-Derived P-Glycoprotein Activators/Inducers. <i>Synthesis, In Silico Analysis and Application in the RBE4 Cell Model, Using Paraquat as Substrate. PLoS ONE</i> , 2013, 8, e74425.	2.5	23
40	Newly Synthesized Oxygenated Xanthenes as Potential P-Glycoprotein Activators: In Vitro, Ex Vivo, and In Silico Studies. <i>Molecules</i> , 2019, 24, 707.	3.8	22
41	Brain drug delivery and neurodegenerative diseases: Polymeric PLGA-based nanoparticles as a forefront platform. <i>Ageing Research Reviews</i> , 2022, 79, 101658.	10.9	22
42	RBE4 cells are highly resistant to paraquat-induced cytotoxicity: studies on uptake and efflux mechanisms. <i>Journal of Applied Toxicology</i> , 2014, 34, 1023-1030.	2.8	19
43	Stabilization of Silver Nanoparticles on Polyester Fabric Using Organo-Matrices for Controlled Antimicrobial Performance. <i>Polymers</i> , 2022, 14, 1138.	4.5	18
44	Several transport systems contribute to the intestinal uptake of Paraquat, modulating its cytotoxic effects. <i>Toxicology Letters</i> , 2015, 232, 271-283.	0.8	17
45	Chiral Thioxanthenes as Modulators of P-glycoprotein: Synthesis and Enantioselectivity Studies. <i>Molecules</i> , 2018, 23, 626.	3.8	17
46	Quality by design (QbD) optimization of diazepam-loaded nanostructured lipid carriers (NLC) for nose-to-brain delivery: Toxicological effect of surface charge on human neuronal cells. <i>International Journal of Pharmaceutics</i> , 2021, 607, 120933.	5.2	16
47	Long-term effects of lithium and lithium-microplastic mixtures on the model species <i>Daphnia magna</i> : Toxicological interactions and implications to "One Health". <i>Science of the Total Environment</i> , 2022, 838, 155934.	8.0	14
48	Evaluation of GSH adducts of adrenaline in biological samples. <i>Biomedical Chromatography</i> , 2007, 21, 670-679.	1.7	12
49	Pessaries containing nanostructured lipid carriers (NLC) for prolonged vaginal delivery of progesterone. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 153, 105475.	4.0	12
50	Lipid Nanoparticles Containing Mixtures of Antioxidants to Improve Skin Care and Cancer Prevention. <i>Pharmaceutics</i> , 2021, 13, 2042.	4.5	12
51	Boosting Drug Discovery for Parkinson's: Enhancement of the Delivery of a Monoamine Oxidase-B Inhibitor by Brain-Targeted PEGylated Polycaprolactone-Based Nanoparticles. <i>Pharmaceutics</i> , 2019, 11, 331.	4.5	11
52	Antimicrobial Activity of a Library of Thioxanthenes and Their Potential as Efflux Pump Inhibitors. <i>Pharmaceutics</i> , 2021, 14, 572.	3.8	11
53	Oxygenated xanthenes as P-glycoprotein modulators at the intestinal barrier: in vitro and docking studies. <i>Medicinal Chemistry Research</i> , 2020, 29, 1041-1057.	2.4	9
54	Enantioselectivity on the absorption of methylone and pentedrone using Caco-2 cell line: Development and validation of an UHPLC method for cathinones quantification. <i>Toxicology and Applied Pharmacology</i> , 2020, 395, 114970.	2.8	9

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55	Xanthenes as P-glycoprotein modulators and their impact on drug bioavailability. Expert Opinion on Drug Metabolism and Toxicology, 2021, 17, 441-482.	3.3	9
56	Mapping Chromone-3-Phenylcarboxamide Pharmacophore: <i>Quid Est Veritas</i>?. Journal of Medicinal Chemistry, 2021, 64, 11169-11182.	6.4	9
57	S-(+)-Pentedrone and R-(+)-methyldone as the most oxidative and cytotoxic enantiomers to dopaminergic SH-SY5Y cells: Role of MRP1 and P-gp in cathinones enantioselectivity. Toxicology and Applied Pharmacology, 2021, 416, 115442.	2.8	8
58	The Use of Feathers from Racing Pigeons for Doping Control Purposes. Journal of Analytical Toxicology, 2019, 43, 307-315.	2.8	7
59	New marine-derived indolymethyl pyrazinoquinazoline alkaloids with promising antimicrobial profiles. RSC Advances, 2020, 10, 31187-31204.	3.6	7
60	New Thermoresponsive Eyedrop Formulation Containing Ibuprofen Loaded-Nanostructured Lipid Carriers (NLC): Development, Characterization and Biocompatibility Studies. Current Drug Delivery, 2016, 13, 953-970.	1.6	7
61	Vine Cane Compounds to Prevent Skin Cells Aging through Solid Lipid Nanoparticles. Pharmaceutics, 2022, 14, 240.	4.5	5
62	Quantification of doping compounds in faecal samples from racing pigeons, by liquid chromatography-tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1089, 33-42.	2.3	4
63	P-glycoprotein activation by 1-(propan-2-ylamino)-4-propoxy-9H-thioxanthen-9-one (TX5) in rat distal ileum: ex vivo and in vivo studies. Toxicology and Applied Pharmacology, 2020, 386, 114832.	2.8	3
64	Fiscalin Derivatives as Potential Neuroprotective Agents. Pharmaceutics, 2022, 14, 1456.	4.5	3
65	P-glycoprotein induction by hypericin protects Caco-2 cells against paraquat toxicity. Toxicology Letters, 2011, 205, S93-S94.	0.8	2
66	Histological and toxicological evaluation, in rat, of a P-glycoprotein inducer and activator: 1-(propan-2-ylamino)-4-propoxy-9-thioxanthen-9-one (TX5). EXCLI Journal, 2019, 18, 697-722.	0.7	2
67	Quantification of 1-(propan-2-ylamino)-4-propoxy-9-thioxanthen-9-one (TX5), a newly synthesized P-glycoprotein inducer/activator, in biological samples: method development and validation. Biomedical Chromatography, 2017, 31, e3802.	1.7	1
68	Validation of a HPLC-ECD method for the detection of adrenaline-GSH adducts in biological samples. Toxicology Letters, 2006, 164, S132.	0.8	0
69	Influence of CYP2D6 polymorphism on 3,4-methylenedioxyamphetamine (ecstasy) cytotoxicity. Toxicology Letters, 2006, 164, S295-S296.	0.8	0
70	Validation of a HPLC-ECD method for the quantification of the highly reactive metabolite of ecstasy, N-methyl-1±-methyldopamine, in human serum. Toxicology Letters, 2006, 164, S309.	0.8	0
71	Effect of P-Glycoprotein inducers on its expression and activity in Caco-2 cells. Toxicology Letters, 2008, 180, S116.	0.8	0
72	The paraquat-induced toxicity is reversed with the co-exposure to doxorubicin in Caco-2 cells. Toxicology Letters, 2010, 196, S110.	0.8	0

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73	P-glycoprotein activity assessment in rat brain endothelial cellsâ€”A search for new rifampicin-derived p-glycoprotein inducers. Toxicology Letters, 2011, 205, S94-S95.	0.8	0
74	Immortalized rat brain endothelial cells are highly resistant to paraquat toxic effect. Toxicology Letters, 2012, 211, S175.	0.8	0
75	Induction and activation of P-glycoprotein efflux pump as a therapeutic strategy. Toxicology Letters, 2015, 238, S48.	0.8	0
76	Is hyperthermia the triggering factor for hepatotoxicity induced by â€˜bath saltsâ€™™? An in vitro study using primary cultured rat hepatocytes. Toxicology Letters, 2015, 238, S260.	0.8	0