

Maria de Lourdes Bastos

List of Publications by Citations

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269
papers

9,153
citations

49
h-index

80
g-index

370
ext. papers

10,266
ext. citations

4.4
avg, IF

6.02
L-index

#	Paper	IF	Citations
269	Paraquat poisonings: mechanisms of lung toxicity, clinical features, and treatment. <i>Critical Reviews in Toxicology</i> , 2008 , 38, 13-71	5.7	565
268	Toxicity of amphetamines: an update. <i>Archives of Toxicology</i> , 2012 , 86, 1167-231	5.8	296
267	Paraquat exposure as an etiological factor of Parkinson's disease. <i>NeuroToxicology</i> , 2006 , 27, 1110-22	4.4	240
266	Pesticides exposure as etiological factors of Parkinson's disease and other neurodegenerative diseases--a mechanistic approach. <i>Toxicology Letters</i> , 2014 , 230, 85-103	4.4	231
265	Khat and synthetic cathinones: a review. <i>Archives of Toxicology</i> , 2014 , 88, 15-45	5.8	223
264	Molecular and cellular mechanisms of ecstasy-induced neurotoxicity: an overview. <i>Molecular Neurobiology</i> , 2009 , 39, 210-71	6.2	223
263	Modulation of P-glycoprotein efflux pump: induction and activation as a therapeutic strategy. <i>Pharmacology & Therapeutics</i> , 2015 , 149, 1-123	13.9	221
262	Antioxidative properties of cardoon (<i>Cynara cardunculus</i> L.) infusion against superoxide radical, hydroxyl radical, and hypochlorous acid. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 4989-93	5.7	208
261	The hallucinogenic world of tryptamines: an updated review. <i>Archives of Toxicology</i> , 2015 , 89, 1151-73	5.8	147
260	Antioxidant activity of <i>Centaurium erythraea</i> infusion evidenced by its superoxide radical scavenging and xanthine oxidase inhibitory activity. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 3476-9	5.7	142
259	Piperazine compounds as drugs of abuse. <i>Drug and Alcohol Dependence</i> , 2012 , 122, 174-85	4.9	120
258	Antioxidant activity of <i>Hypericum androsaemum</i> infusion: scavenging activity against superoxide radical, hydroxyl radical and hypochlorous acid. <i>Biological and Pharmaceutical Bulletin</i> , 2002 , 25, 1320-3	2.3	111
257	Single high dose dexamethasone treatment decreases the pathological score and increases the survival rate of paraquat-intoxicated rats. <i>Toxicology</i> , 2006 , 227, 73-85	4.4	92
256	Studies on the antioxidant activity of <i>Lippia citriodora</i> infusion: scavenging effect on superoxide radical, hydroxyl radical and hypochlorous acid. <i>Biological and Pharmaceutical Bulletin</i> , 2002 , 25, 1324-7	2.3	90
255	Biomarker Discovery in Human Prostate Cancer: an Update in Metabolomics Studies. <i>Translational Oncology</i> , 2016 , 9, 357-70	4.9	89
254	Short- and long-term distribution and toxicity of gold nanoparticles in the rat after a single-dose intravenous administration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 1757-66	6	88
253	<i>Amanita phalloides</i> poisoning: Mechanisms of toxicity and treatment. <i>Food and Chemical Toxicology</i> , 2015 , 86, 41-55	4.7	85

252	Neurotoxicity mechanisms of thioether ecstasy metabolites. <i>Neuroscience</i> , 2007 , 146, 1743-57	3.9	84
251	Contribution of catecholamine reactive intermediates and oxidative stress to the pathologic features of heart diseases. <i>Current Medicinal Chemistry</i> , 2011 , 18, 2272-314	4.3	77
250	Influence of the surface coating on the cytotoxicity, genotoxicity and uptake of gold nanoparticles in human HepG2 cells. <i>Journal of Applied Toxicology</i> , 2013 , 33, 1111-9	4.1	76
249	Full survival of paraquat-exposed rats after treatment with sodium salicylate. <i>Free Radical Biology and Medicine</i> , 2007 , 42, 1017-28	7.8	75
248	Antioxidant activity and phenolic contents of <i>Olea europaea</i> L. leaves sprayed with different copper formulations. <i>Food Chemistry</i> , 2007 , 103, 188-195	8.5	74
247	Effect of surface coating on the biodistribution profile of gold nanoparticles in the rat. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 80, 185-93	5.7	73
246	P-glycoprotein induction: an antidotal pathway for paraquat-induced lung toxicity. <i>Free Radical Biology and Medicine</i> , 2006 , 41, 1213-24	7.8	72
245	The toxicity of N-methyl-alpha-methyldopamine to freshly isolated rat hepatocytes is prevented by ascorbic acid and N-acetylcysteine. <i>Toxicology</i> , 2004 , 200, 193-203	4.4	72
244	Synephrine: from trace concentrations to massive consumption in weight-loss. <i>Food and Chemical Toxicology</i> , 2011 , 49, 8-16	4.7	71
243	Evaluation of toxic/protective effects of the essential oil of <i>Salvia officinalis</i> on freshly isolated rat hepatocytes. <i>Toxicology in Vitro</i> , 2004 , 18, 457-65	3.6	71
242	Cellular Models and In Vitro Assays for the Screening of modulators of P-gp, MRP1 and BCRP. <i>Molecules</i> , 2017 , 22,	4.8	70
241	Hepatotoxicity of 3,4-methylenedioxyamphetamine and alpha-methyldopamine in isolated rat hepatocytes: formation of glutathione conjugates. <i>Archives of Toxicology</i> , 2004 , 78, 16-24	5.8	70
240	Ecstasy-induced cell death in cortical neuronal cultures is serotonin 2A-receptor-dependent and potentiated under hyperthermia. <i>Neuroscience</i> , 2006 , 139, 1069-81	3.9	67
239	Role of metabolites in MDMA (ecstasy)-induced nephrotoxicity: an in vitro study using rat and human renal proximal tubular cells. <i>Archives of Toxicology</i> , 2002 , 76, 581-8	5.8	66
238	Metabolism is required for the expression of ecstasy-induced cardiotoxicity in vitro. <i>Chemical Research in Toxicology</i> , 2004 , 17, 623-32	4	66
237	Metabolic pathways of 4-bromo-2,5-dimethoxyphenethylamine (2C-B): analysis of phase I metabolism with hepatocytes of six species including human. <i>Toxicology</i> , 2005 , 206, 75-89	4.4	65
236	Neurotoxicity of Ecstasy metabolites in rat cortical neurons, and influence of hyperthermia. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 316, 53-61	4.7	64
235	Acetyl-L-carnitine provides effective in vivo neuroprotection over 3,4-methylenedioxymethamphetamine-induced mitochondrial neurotoxicity in the adolescent rat brain. <i>Neuroscience</i> , 2009 , 158, 514-23	3.9	63

234	Ecstasy induces apoptosis via 5-HT(2A)-receptor stimulation in cortical neurons. <i>NeuroToxicology</i> , 2007 , 28, 868-75	4.4	63
233	Hydroxyl radical and hypochlorous acid scavenging activity of small centaury (<i>Centaurium erythraea</i>) infusion. A comparative study with green tea (<i>Camellia sinensis</i>). <i>Phytomedicine</i> , 2003 , 10, 517-22	6.5	63
232	First report on <i>Cydonia oblonga</i> Miller anticancer potential: differential antiproliferative effect against human kidney and colon cancer cells. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 3366-70	5.7	62
231	Raising awareness of new psychoactive substances: chemical analysis and in vitro toxicity screening of 'legal high' packages containing synthetic cathinones. <i>Archives of Toxicology</i> , 2015 , 89, 757-71	5.8	60
230	The heart as a target for xenobiotic toxicity: the cardiac susceptibility to oxidative stress. <i>Chemical Research in Toxicology</i> , 2013 , 26, 1285-311	4	58
229	Monoamine oxidase-B mediates ecstasy-induced neurotoxic effects to adolescent rat brain mitochondria. <i>Journal of Neuroscience</i> , 2007 , 27, 10203-10	6.6	57
228	Effect of 3,4-methylenedioxymethamphetamine ("ecstasy") on body temperature and liver antioxidant status in mice: influence of ambient temperature. <i>Archives of Toxicology</i> , 2002 , 76, 166-72	5.8	57
227	The neurotoxicity of amphetamines during the adolescent period. <i>International Journal of Developmental Neuroscience</i> , 2015 , 41, 44-62	2.7	53
226	Mitochondria: key players in the neurotoxic effects of amphetamines. <i>Archives of Toxicology</i> , 2015 , 89, 1695-725	5.8	52
225	3,4-Methylenedioxypyrovalerone (MDPV): in vitro mechanisms of hepatotoxicity under normothermic and hyperthermic conditions. <i>Archives of Toxicology</i> , 2016 , 90, 1959-73	5.8	52
224	GC determination of acetone, acetaldehyde, ethanol, and methanol in biological matrices and cell culture. <i>Journal of Chromatographic Science</i> , 2009 , 47, 272-8	1.4	52
223	Oxidation process of adrenaline in freshly isolated rat cardiomyocytes: formation of adrenochrome, quinoproteins, and GSH adduct. <i>Chemical Research in Toxicology</i> , 2007 , 20, 1183-91	4	52
222	GC-MS metabolomics-based approach for the identification of a potential VOC-biomarker panel in the urine of renal cell carcinoma patients. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 2092-2105	5.6	51
221	Simultaneous determination of amphetamine derivatives in human urine after SPE extraction and HPLC-UV analysis. <i>Biomedical Chromatography</i> , 2004 , 18, 125-31	1.7	49
220	Biomarkers in bladder cancer: A metabolomic approach using in vitro and ex vivo model systems. <i>International Journal of Cancer</i> , 2016 , 139, 256-68	7.5	49
219	Glutathione and cysteine measurement in biological samples by HPLC with a glassy carbon working detector. <i>Biomedical Chromatography</i> , 1994 , 8, 134-6	1.7	48
218	Is hyperthermia the triggering factor for hepatotoxicity induced by 3,4-methylenedioxymethamphetamine (ecstasy)? An in vitro study using freshly isolated mouse hepatocytes. <i>Archives of Toxicology</i> , 2001 , 74, 789-93	5.8	47
217	Contribution of oxidative metabolism to cocaine-induced liver and kidney damage. <i>Current Medicinal Chemistry</i> , 2012 , 19, 5601-6	4.3	46

216	Pro-oxidant effects of Ecstasy and its metabolites in mouse brain synaptosomes. <i>British Journal of Pharmacology</i> , 2012 , 165, 1017-33	8.6	45
215	Chromium speciation analysis in bread samples. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 1366-70	5.7	45
214	d-Amphetamine-induced hepatotoxicity: possible contribution of catecholamines and hyperthermia to the effect studied in isolated rat hepatocytes. <i>Archives of Toxicology</i> , 1997 , 71, 429-36	5.8	45
213	Mechanisms underlying the hepatotoxic effects of ecstasy. <i>Current Pharmaceutical Biotechnology</i> , 2010 , 11, 476-95	2.6	45
212	Protective activity of hesperidin and lipoic acid against sodium arsenite acute toxicity in mice. <i>Toxicologic Pathology</i> , 2004 , 32, 527-35	2.1	43
211	Cu ²⁺ -induced isoproterenol oxidation into isoprenochrome in adult rat calcium-tolerant cardiomyocytes. <i>Chemical Research in Toxicology</i> , 2002 , 15, 861-9	4	43
210	Editor's Highlight: Characterization of Hepatotoxicity Mechanisms Triggered by Designer Cathinone Drugs (Keto Amphetamines). <i>Toxicological Sciences</i> , 2016 , 153, 89-102	4.4	42
209	Analysis of volatile human urinary metabolome by solid-phase microextraction in combination with gas chromatography-mass spectrometry for biomarker discovery: application in a pilot study to discriminate patients with renal cell carcinoma. <i>European Journal of Cancer</i> , 2014 , 50, 1993-2002	7.5	42
208	In vitro study of P-glycoprotein induction as an antidotal pathway to prevent cytotoxicity in Caco-2 cells. <i>Archives of Toxicology</i> , 2011 , 85, 315-26	5.8	42
207	An effective antidote for paraquat poisonings: the treatment with lysine acetylsalicylate. <i>Toxicology</i> , 2009 , 255, 187-93	4.4	42
206	Neurotoxicity of Keto Amphetamines: Deathly Mechanisms Elicited by Methylenedioxymethamphetamine and MDPV in Human Dopaminergic SH-SY5Y Cells. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 850-859	5.7	41
205	A rapid and simple procedure for the establishment of human normal and cancer renal primary cell cultures from surgical specimens. <i>PLoS ONE</i> , 2011 , 6, e19337	3.7	41
204	Postmortem analyses unveil the poor efficacy of decontamination, anti-inflammatory and immunosuppressive therapies in paraquat human intoxications. <i>PLoS ONE</i> , 2009 , 4, e7149	3.7	41
203	Acute paraquat poisoning: report of a survival case following intake of a potential lethal dose. <i>Pediatric Emergency Care</i> , 2006 , 22, 537-40	1.4	40
202	The mixture of "ecstasy" and its metabolites is toxic to human SH-SY5Y differentiated cells at in vivo relevant concentrations. <i>Archives of Toxicology</i> , 2014 , 88, 455-73	5.8	39
201	Sodium salicylate prevents paraquat-induced apoptosis in the rat lung. <i>Free Radical Biology and Medicine</i> , 2007 , 43, 48-61	7.8	39
200	Methoxylated xanthenes in the quality control of small centaury (<i>Centaureum erythraea</i>) flowering tops. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 460-3	5.7	38
199	Methylenedioxymethamphetamine and MDPV activate autophagy in human dopaminergic SH-SY5Y cells: a new insight into the context of keto amphetamines-related neurotoxicity. <i>Archives of Toxicology</i> , 2017 , 91, 3663-3676	5.8	37

198	Identification of a biomarker panel for improvement of prostate cancer diagnosis by volatile metabolic profiling of urine. <i>British Journal of Cancer</i> , 2019 , 121, 857-868	8.7	37
197	Piperazine designer drugs induce toxicity in cardiomyoblast h9c2 cells through mitochondrial impairment. <i>Toxicology Letters</i> , 2014 , 229, 178-89	4.4	37
196	The metabolic profile of mitoxantrone and its relation with mitoxantrone-induced cardiotoxicity. <i>Archives of Toxicology</i> , 2013 , 87, 1809-20	5.8	37
195	Inhibition of Glutathione Reductase by Isoproterenol Oxidation Products. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1999 , 15, 47-61		37
194	Hepatoprotective activity of xanthenes and xanthonolignoids against tert-butylhydroperoxide-induced toxicity in isolated rat hepatocytes--comparison with silybin. <i>Pharmaceutical Research</i> , 1995 , 12, 1756-60	4.5	37
193	Paraquat research: do recent advances in limiting its toxicity make its use safer?. <i>British Journal of Pharmacology</i> , 2013 , 168, 44-5	8.6	36
192	Influence of CYP2D6 polymorphism on 3,4-methylenedioxymethamphetamine ('Ecstasy') cytotoxicity. <i>Pharmacogenetics and Genomics</i> , 2006 , 16, 789-99	1.9	36
191	Ecstasy-induced oxidative stress to adolescent rat brain mitochondria in vivo: influence of monoamine oxidase type A. <i>Addiction Biology</i> , 2009 , 14, 185-93	4.6	35
190	Chronic exposure to ethanol exacerbates MDMA-induced hyperthermia and exposes liver to severe MDMA-induced toxicity in CD1 mice. <i>Toxicology</i> , 2008 , 252, 64-71	4.4	35
189	Copper enhances isoproterenol toxicity in isolated rat cardiomyocytes: effects on oxidative stress. <i>Cardiovascular Toxicology</i> , 2001 , 1, 195-204	3.4	35
188	Antioxidant properties and associated mechanisms of salicylates. <i>Current Medicinal Chemistry</i> , 2011 , 18, 3252-64	4.3	34
187	Tolerance and stress response of <i>Macrolepiota procera</i> to nickel. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 7145-52	5.7	34
186	Cytotoxicity and cell signalling induced by continuous mild hyperthermia in freshly isolated mouse hepatocytes. <i>Toxicology</i> , 2006 , 224, 210-8	4.4	34
185	Comparative metabolism of the designer drug 4-methylthioamphetamine by hepatocytes from man, monkey, dog, rabbit, rat and mouse. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004 , 369, 198-205	3.4	33
184	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, 937-51	5.8	32
183	Doxorubicin induces biphasic neurotoxicity to rat cortical neurons. <i>NeuroToxicology</i> , 2008 , 29, 286-93	4.4	32
182	Optimisation and validation of a HS-SPME-GC-IT/MS method for analysis of carbonyl volatile compounds as biomarkers in human urine: Application in a pilot study to discriminate individuals with smoking habits. <i>Talanta</i> , 2016 , 148, 486-93	6.2	31
181	Neurotoxicity of "ecstasy" and its metabolites in human dopaminergic differentiated SH-SY5Y cells. <i>Toxicology Letters</i> , 2013 , 216, 159-70	4.4	31

180	The neurotoxicity of hallucinogenic amphetamines in primary cultures of hippocampal neurons. <i>NeuroToxicology</i> , 2013 , 34, 254-63	4.4	31
179	d-Amphetamine interaction with glutathione in freshly isolated rat hepatocytes. <i>Chemical Research in Toxicology</i> , 1996 , 9, 1031-6	4	31
178	Hepatotoxicity of piperazine designer drugs: Comparison of different in vitro models. <i>Toxicology in Vitro</i> , 2015 , 29, 987-96	3.6	30
177	Adrenaline in pro-oxidant conditions elicits intracellular survival pathways in isolated rat cardiomyocytes. <i>Toxicology</i> , 2009 , 257, 70-9	4.4	30
176	Adaptative response of antioxidant enzymes in different areas of rat brain after repeated d-amphetamine administration. <i>Addiction Biology</i> , 2001 , 6, 213-221	4.6	30
175	Discrimination between the human prostate normal and cancer cell exometabolome by GC-MS. <i>Scientific Reports</i> , 2018 , 8, 5539	4.9	29
174	Mercury fatal intoxication: two case reports. <i>Forensic Science International</i> , 2009 , 184, e1-6	2.6	29
173	Benzodiazepine stability in postmortem samples stored at different temperatures. <i>Journal of Analytical Toxicology</i> , 2012 , 36, 52-60	2.9	29
172	P-glycoprotein induction in Caco-2 cells by newly synthesized thioxanthenes prevents paraquat cytotoxicity. <i>Archives of Toxicology</i> , 2015 , 89, 1783-800	5.8	28
171	Nuclear Magnetic Resonance metabolomics reveals an excretory metabolic signature of renal cell carcinoma. <i>Scientific Reports</i> , 2016 , 6, 37275	4.9	28
170	Mitochondrial cumulative damage induced by mitoxantrone: late onset cardiac energetic impairment. <i>Cardiovascular Toxicology</i> , 2014 , 14, 30-40	3.4	28
169	Quantification of paraquat in postmortem samples by gas chromatography-ion trap mass spectrometry and review of the literature. <i>Biomedical Chromatography</i> , 2012 , 26, 338-49	1.7	28
168	Validation of an electrothermal atomization atomic absorption spectrometry method for quantification of total chromium and chromium(VI) in wild mushrooms and underlying soils. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 7192-8	5.7	28
167	Hepatoprotective activity of polyhydroxylated 2-styrylchromones against tert-butylhydroperoxide induced toxicity in freshly isolated rat hepatocytes. <i>Archives of Toxicology</i> , 2003 , 77, 500-5	5.8	28
166	A breakthrough on Amanita phalloides poisoning: an effective antidotal effect by polymyxin B. <i>Archives of Toxicology</i> , 2015 , 89, 2305-23	5.8	27
165	Colchicine effect on P-glycoprotein expression and activity: in silico and in vitro studies. <i>Chemico-Biological Interactions</i> , 2014 , 218, 50-62	5	27
164	Update on 1-benzylpiperazine (BZP) party pills. <i>Archives of Toxicology</i> , 2013 , 87, 929-47	5.8	27
163	Adrenaline and reactive oxygen species elicit proteome and energetic metabolism modifications in freshly isolated rat cardiomyocytes. <i>Toxicology</i> , 2009 , 260, 84-96	4.4	27

162	Cocaine-induced kidney toxicity: an in vitro study using primary cultured human proximal tubular epithelial cells. <i>Archives of Toxicology</i> , 2012 , 86, 249-61	5.8	26
161	Therapeutic concentrations of mitoxantrone elicit energetic imbalance in H9c2 cells as an earlier event. <i>Cardiovascular Toxicology</i> , 2013 , 13, 413-25	3.4	26
160	Simultaneous determination of reduced and oxidized glutathione in freshly isolated rat hepatocytes and cardiomyocytes by HPLC with electrochemical detection. <i>Biomedical Chromatography</i> , 2000 , 14, 468-73	1.7	26
159	In vitro neurotoxicity evaluation of piperazine designer drugs in differentiated human neuroblastoma SH-SY5Y cells. <i>Journal of Applied Toxicology</i> , 2016 , 36, 121-30	4.1	25
158	Gold Nanoparticles Induce Oxidative Stress and Apoptosis in Human Kidney Cells. <i>Nanomaterials</i> , 2020 , 10,	5.4	25
157	Differential Effects of Methyl-4-Phenylpyridinium Ion, Rotenone, and Paraquat on Differentiated SH-SY5Y Cells. <i>Journal of Toxicology</i> , 2013 , 2013, 347312	3.1	25
156	Synthesis and Cyclic Voltammetry Studies of 3,4-Methylenedioxymethamphetamine (MDMA) Human Metabolites. <i>Journal of Health Science</i> , 2007 , 53, 31-42		25
155	Quantification of alpha-amanitin in biological samples by HPLC using simultaneous UV- diode array and electrochemical detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 997, 85-95	3.2	24
154	Volatile metabolomic signature of bladder cancer cell lines based on gas chromatography-mass spectrometry. <i>Metabolomics</i> , 2018 , 14, 62	4.7	24
153	Renal cell carcinoma: a critical analysis of metabolomic biomarkers emerging from current model systems. <i>Translational Research</i> , 2017 , 180, 1-11	11	24
152	Reactivity of paraquat with sodium salicylate: formation of stable complexes. <i>Toxicology</i> , 2008 , 249, 130-4	4.4	24
151	Synergistic toxicity of ethanol and MDMA towards primary cultured rat hepatocytes. <i>Toxicology</i> , 2008 , 254, 42-50	4.4	24
150	Kinetics of paraquat in the isolated rat lung: Influence of sodium depletion. <i>Xenobiotica</i> , 2006 , 36, 724-32		24
149	2-styrylchromones as novel inhibitors of xanthine oxidase. A structure-activity study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2002 , 17, 45-8	5.6	24
148	"Ecstasy"-induced toxicity in SH-SY5Y differentiated cells: role of hyperthermia and metabolites. <i>Archives of Toxicology</i> , 2014 , 88, 515-31	5.8	23
147	Non-targeted and targeted analysis of wild toxic and edible mushrooms using gas chromatography-ion trap mass spectrometry. <i>Talanta</i> , 2014 , 118, 292-303	6.2	23
146	In vitro models for neurotoxicology research. <i>Toxicology Research</i> , 2015 , 4, 801-842	2.6	23
145	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, 259-66	4.4	23

144	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 , 79, 912-9	4.6	23
143	The mixture of "ecstasy" and its metabolites impairs mitochondrial fusion/fission equilibrium and trafficking in hippocampal neurons, at in vivo relevant concentrations. <i>Toxicological Sciences</i> , 2014 , 139, 407-20	4.4	22
142	The Role of the Metabolism of Anticancer Drugs in Their Induced-Cardiotoxicity. <i>Current Drug Metabolism</i> , 2015 , 17, 75-90	3.5	22
141	CYP2D6 increases toxicity of the designer drug 4-methylthioamphetamine (4-MTA). <i>Toxicology</i> , 2007 , 229, 236-44	4.4	22
140	The age factor for mitoxantrone's cardiotoxicity: multiple doses render the adult mouse heart more susceptible to injury. <i>Toxicology</i> , 2015 , 329, 106-19	4.4	21
139	Clinical and forensic signs related to chemical burns: a mechanistic approach. <i>Burns</i> , 2015 , 41, 658-79	2.3	21
138	Biomarkers in renal cell carcinoma: a metabolomics approach. <i>Metabolomics</i> , 2014 , 10, 1210-1222	4.7	21
137	Doxorubicin decreases paraquat accumulation and toxicity in Caco-2 cells. <i>Toxicology Letters</i> , 2013 , 217, 34-41	4.4	21
136	Synthesis and analysis of aminochromes by HPLC-photodiode array. Adrenochrome evaluation in rat blood. <i>Biomedical Chromatography</i> , 2003 , 17, 6-13	1.7	21
135	Spectrometric determination of silicon in food and biological samples: an interlaboratory trial. <i>Journal of Analytical Atomic Spectrometry</i> , 2000 , 15, 735-741	3.7	21
134	Do invading leucocytes contribute to the decrease in glutathione concentrations indicating oxidative stress in exercised muscle, or are they important for its recovery?. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1994 , 68, 48-53		21
133	GC-MS metabolomics reveals disturbed metabolic pathways in primary mouse hepatocytes exposed to subtoxic levels of 3,4-methylenedioxymethamphetamine (MDMA). <i>Archives of Toxicology</i> , 2018 , 92, 3307-3323	5.8	21
132	Hepatotoxicity of piperazine designer drugs: up-regulation of key enzymes of cholesterol and lipid biosynthesis. <i>Archives of Toxicology</i> , 2016 , 90, 3045-3060	5.8	20
131	Structural isomerization of synephrine influences its uptake and ensuing glutathione depletion in rat-isolated cardiomyocytes. <i>Archives of Toxicology</i> , 2011 , 85, 929-39	5.8	20
130	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, 721-8	3.5	20
129	Hydrogen peroxide production in mouse tissues after acute d-amphetamine administration. Influence of monoamine oxidase inhibition. <i>Archives of Toxicology</i> , 2001 , 75, 465-9	5.8	20
128	Effect of chronic ethanol exposure on the hepatotoxicity of ecstasy in mice: an ex vivo study. <i>Toxicology in Vitro</i> , 2008 , 22, 910-20	3.6	19
127	Methylphenidate effects in the young brain: friend or foe?. <i>International Journal of Developmental Neuroscience</i> , 2017 , 60, 34-47	2.7	18

126	Determination of amatoxins and phallotoxins in <i>Amanita phalloides</i> mushrooms from northeastern Portugal by HPLC-DAD-MS. <i>Mycologia</i> , 2015 , 107, 679-87	2.4	18
125	Development of novel rifampicin-derived P-glycoprotein activators/inducers. synthesis, in silico analysis and application in the RBE4 cell model, using paraquat as substrate. <i>PLoS ONE</i> , 2013 , 8, e74425	3.7	18
124	Development and validation of a gas chromatography/ion trap-mass spectrometry method for simultaneous quantification of cocaine and its metabolites benzoylecgonine and norcocaine: application to the study of cocaine metabolism in human primary cultured renal cells. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 878, 3083-8	3.2	18
123	<i>Hypericum androsaemum</i> infusion increases tert-butyl hydroperoxide-induced mice hepatotoxicity in vivo. <i>Journal of Ethnopharmacology</i> , 2004 , 94, 345-51	5	18
122	Metabolism of the designer drug 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in mice, after acute administration. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004 , 811, 143-152	3.2	18
121	Effect of d-amphetamine repeated administration on rat antioxidant defences. <i>Archives of Toxicology</i> , 1999 , 73, 83-9	5.8	18
120	Variability in phenolic composition of <i>Hypericum androsaemum</i> . <i>Natural Product Research</i> , 2003 , 17, 135-40	4.9	17
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