Maria de Lourdes Bastos

List of Publications by Year
in descending order

306	11,530	31902 53	48187 88
papers	citations	h-index	g-index

370	370	370	12733
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Paraquat Poisonings: Mechanisms of Lung Toxicity, Clinical Features, and Treatment. Critical Reviews in Toxicology, 2008, 38, 13-71.	1.9	698
2	Toxicity of amphetamines: an update. Archives of Toxicology, 2012, 86, 1167-1231.	1.9	364
3	Pesticides exposure as etiological factors of Parkinson's disease and other neurodegenerative diseasesâ€"A mechanistic approach. Toxicology Letters, 2014, 230, 85-103.	0.4	317
4	Modulation of P-glycoprotein efflux pump: induction and activation as a therapeutic strategy. , 2015, 149, 1-123.		275
5	Paraquat exposure as an etiological factor of Parkinson's disease. NeuroToxicology, 2006, 27, 1110-1122.	1.4	273
6	Khat and synthetic cathinones: a review. Archives of Toxicology, 2014, 88, 15-45.	1.9	273
7	Molecular and Cellular Mechanisms of Ecstasy-Induced Neurotoxicity: An Overview. Molecular Neurobiology, 2009, 39, 210-271.	1.9	251
8	Antioxidative Properties of Cardoon (Cynara cardunculusL.) Infusion Against Superoxide Radical, Hydroxyl Radical, and Hypochlorous Acid. Journal of Agricultural and Food Chemistry, 2002, 50, 4989-4993.	2.4	244
9	The hallucinogenic world of tryptamines: an updated review. Archives of Toxicology, 2015, 89, 1151-1173.	1.9	196
10	Antioxidant Activity ofCentaurium erythraeaInfusion Evidenced by Its Superoxide Radical Scavenging and Xanthine Oxidase Inhibitory Activity. Journal of Agricultural and Food Chemistry, 2001, 49, 3476-3479.	2.4	164
11	Piperazine compounds as drugs of abuse. Drug and Alcohol Dependence, 2012, 122, 174-185.	1.6	150
12	Amanita phalloides poisoning: Mechanisms of toxicity and treatment. Food and Chemical Toxicology, 2015, 86, 41-55.	1.8	145
13	Antioxidant Activity of Hypericum androsaemum Infusion: Scavenging Activity against Superoxide Radical, Hydroxyl Radical and Hypochlorous Acid.. Biological and Pharmaceutical Bulletin, 2002, 25, 1320-1323.	0.6	131
14	Short- and long-term distribution and toxicity of gold nanoparticles in the rat after a single-dose intravenous administration. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1757-1766.	1.7	117
15	Biomarker Discovery in Human Prostate Cancer: an Update in Metabolomics Studies. Translational Oncology, 2016, 9, 357-370.	1.7	111
16	Studies on the Antioxidant Activity of Lippia citriodora Infusion: Scavenging Effect on Superoxide Radical, Hydroxyl Radical and Hypochlorous Acid. Biological and Pharmaceutical Bulletin, 2002, 25, 1324-1327.	0.6	102
17	Single high dose dexamethasone treatment decreases the pathological score and increases the survival rate of paraquat-intoxicated rats. Toxicology, 2006, 227, 73-85.	2.0	97
18	Synephrine: From trace concentrations to massive consumption in weight-loss. Food and Chemical Toxicology, 2011, 49, 8-16.	1.8	95

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19	Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases. Current Medicinal Chemistry, 2011, 18, 2272-2314.	1.2	93
20	Neurotoxicity mechanisms of thioether ecstasy metabolites. Neuroscience, 2007, 146, 1743-1757.	1.1	92
21	Antioxidant activity and phenolic contents of Olea europaea L. leaves sprayed with different copper formulations. Food Chemistry, 2007, 103, 188-195.	4.2	92
22	Influence of the surface coating on the cytotoxicity, genotoxicity and uptake of gold nanoparticles in human HepG2 cells. Journal of Applied Toxicology, 2013, 33, 1111-1119.	1.4	92
23	Cellular Models and In Vitro Assays for the Screening of modulators of P-gp, MRP1 and BCRP. Molecules, 2017, 22, 600.	1.7	91
24	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.	2.4	89
25	Evaluation of toxic/protective effects of the essential oil of Salvia officinalis on freshly isolated rat hepatocytes. Toxicology in Vitro, 2004, 18, 457-465.	1.1	83
26	Hydroxyl radical and hypochlorous acid scavenging activity of small Centaury (Centaurium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td 517-522.	2.3	82
27	Hepatotoxicity of 3,4-methylenedioxyamphetamine and ?-methyldopamine in isolated rat hepatocytes: formation of glutathione conjugates. Archives of Toxicology, 2004, 78, 16-24.	1.9	82
28	P-glycoprotein induction: an antidotal pathway for paraquat-induced lung toxicity. Free Radical Biology and Medicine, 2006, 41, 1213-1224.	1.3	81
29	Full survival of paraquat-exposed rats after treatment with sodium salicylateâ˜†. Free Radical Biology and Medicine, 2007, 42, 1017-1028.	1.3	81
30	Metabolic pathways of 4-bromo-2,5-dimethoxyphenethylamine (2C-B): analysis of phase I metabolism with hepatocytes of six species including human. Toxicology, 2005, 206, 75-89.	2.0	78
31	The toxicity of N-methyl-Î±-methyldopamine to freshly isolated rat hepatocytes is prevented by ascorbic acid and N-acetylcysteine. Toxicology, 2004, 200, 193-203.	2.0	77
32	Acetyl-l-carnitine provides effective in vivo neuroprotection over 3,4-methylenedioximethamphetamine-induced mitochondrial neurotoxicity in the adolescent rat brain. Neuroscience, 2009, 158, 514-523.	1.1	76
33	Effect of surface coating on the biodistribution profile of gold nanoparticles in the rat. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 80, 185-193.	2.0	76
34	Identification of a biomarker panel for improvement of prostate cancer diagnosis by volatile metabolic profiling of urine. British Journal of Cancer, 2019, 121, 857-868.	2.9	74
35	Raising awareness of new psychoactive substances: chemical analysis and in vitro toxicity screening of â€˜legal highâ€™ packages containing synthetic cathinones. Archives of Toxicology, 2015, 89, 757-771.	1.9	73
36	Role of metabolites in MDMA (ecstasy)-induced nephrotoxicity: an in vitro study using rat and human renal proximal tubular cells. Archives of Toxicology, 2002, 76, 581-588.	1.9	72

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37	Metabolism Is Required for the Expression of Ecstasy-Induced Cardiotoxicity in Vitro. Chemical Research in Toxicology, 2004, 17, 623-632.	1.7	71
38	Neurotoxicity of Ecstasy Metabolites in Rat Cortical Neurons, and Influence of Hyperthermia. Journal of Pharmacology and Experimental Therapeutics, 2006, 316, 53-61.	1.3	71
39	Ecstasy-induced cell death in cortical neuronal cultures is serotonin 2A-receptor-dependent and potentiated under hyperthermia. Neuroscience, 2006, 139, 1069-1081.	1.1	71
40	The Heart As a Target for Xenobiotic Toxicity: The Cardiac Susceptibility to Oxidative Stress. Chemical Research in Toxicology, 2013, 26, 1285-1311.	1.7	70
41	Oxidation Process of Adrenaline in Freshly Isolated Rat Cardiomyocytes: Formation of Adrenochrome, Quinoproteins, and GSH Adduct. Chemical Research in Toxicology, 2007, 20, 1183-1191.	1.7	68
42	Ecstasy induces apoptosis via 5-HT2A-receptor stimulation in cortical neurons. NeuroToxicology, 2007, 28, 868-875.	1.4	67
43	The neurotoxicity of amphetamines during the adolescent period. International Journal of Developmental Neuroscience, 2015, 41, 44-62.	0.7	66
44	GCâ€MS metabolomicsâ€based approach for the identification of a potential VOCâ€biomarker panel in the urine of renal cell carcinoma patients. Journal of Cellular and Molecular Medicine, 2017, 21, 2092-2105.	1.6	64
45	Effect of 3,4-methylenedioxymethamphetamine ("ecstasy") on body temperature and liver antioxidant status in mice: influence of ambient temperature. Archives of Toxicology, 2002, 76, 166-172.	1.9	63
46	Biomarkers in bladder cancer: A metabolomic approach using in vitro and ex vivo model systems. International Journal of Cancer, 2016, 139, 256-268.	2.3	62
47	3,4-Methylenedioxypyrovalerone (MDPV): in vitro mechanisms of hepatotoxicity under normothermic and hyperthermic conditions. Archives of Toxicology, 2016, 90, 1959-1973.	1.9	62
48	Monoamine Oxidase-B Mediates Ecstasy-Induced Neurotoxic Effects to Adolescent Rat Brain Mitochondria. Journal of Neuroscience, 2007, 27, 10203-10210.	1.7	61
49	Mitochondria: key players in the neurotoxic effects of amphetamines. Archives of Toxicology, 2015, 89, 1695-1725.	1.9	61
50	GC Determination of Acetone, Acetaldehyde, Ethanol, and Methanol in Biological Matrices and Cell Culture. Journal of Chromatographic Science, 2009, 47, 272-278.	0.7	60
51	Contribution of Oxidative Metabolism to Cocaine-Induced Liver and Kidney Damage. Current Medicinal Chemistry, 2012, 19, 5601-5606.	1.2	60
52	An updated review on synthetic cathinones. Archives of Toxicology, 2021, 95, 2895-2940.	1.9	59
53	Neurotoxicity of Î²-Keto Amphetamines: Deathly Mechanisms Elicited by Methylone and MDPV in Human Dopaminergic SH-SY5Y Cells. ACS Chemical Neuroscience, 2017, 8, 850-859.	1.7	58
54	Is hyperthermia the triggering factor for hepatotoxicity induced by 3,4-methylenedioxymethamphetamine (ecstasy)? An in vitro study using freshly isolated mouse hepatocytes. Archives of Toxicology, 2001, 74, 789-793.	1.9	54

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55	Simultaneous determination of amphetamine derivatives in human urine after SPE extraction and HPLC-UV analysis. Biomedical Chromatography, 2004, 18, 125-131.	0.8	54
56	Analysis of volatile human urinary metabolome by solid-phase microextraction in combination with gas chromatographyâ€“mass spectrometry for biomarker discovery: Application in a pilot study to discriminate patients with renal cell carcinoma. European Journal of Cancer, 2014, 50, 1993-2002.	1.3	54
57	A Rapid and Simple Procedure for the Establishment of Human Normal and Cancer Renal Primary Cell Cultures from Surgical Specimens. PLoS ONE, 2011, 6, e19337.	1.1	53
58	Glutathione and cysteine measurement in biological samples by HPLC with a glassy carbon working detector. Biomedical Chromatography, 1994, 8, 134-136.	0.8	52
59	d-Amphetamine-induced hepatotoxicity: possible contribution of catecholamines and hyperthermia to the effect studied in isolated rat hepatocytes. Archives of Toxicology, 1997, 71, 429-436.	1.9	52
60	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.	1.9	51
61	Proâ€oxidant effects of Ecstasy and its metabolites in mouse brain synaptosomes. British Journal of Pharmacology, 2012, 165, 1017-1033.	2.7	51
62	Editorâ€™s Highlight: Characterization of Hepatotoxicity Mechanisms Triggered by Designer Cathinone Drugs (Î²-Keto Amphetamines). Toxicological Sciences, 2016, 153, 89-102.	1.4	50
63	Methylone and MDPV activate autophagy in human dopaminergic SH-SY5Y cells: a new insight into the context of Î²-keto amphetamines-related neurotoxicity. Archives of Toxicology, 2017, 91, 3663-3676.	1.9	50
64	Discrimination between the human prostate normal and cancer cell exometabolome by GC-MS. Scientific Reports, 2018, 8, 5539.	1.6	50
65	Cu2+-Induced Isoproterenol Oxidation into Isoprenochrome in Adult Rat Calcium-Tolerant Cardiomyocytes. Chemical Research in Toxicology, 2002, 15, 861-869.	1.7	49
66	The metabolic profile of mitoxantrone and its relation with mitoxantrone-induced cardiotoxicity. Archives of Toxicology, 2013, 87, 1809-1820.	1.9	49
67	A breakthrough on Amanita phalloides poisoning: an effective antidotal effect by polymyxin B. Archives of Toxicology, 2015, 89, 2305-2323.	1.9	48
68	Mechanisms Underlying the Hepatotoxic Effects of Ecstasy. Current Pharmaceutical Biotechnology, 2010, 11, 476-495.	0.9	48
69	Chromium Speciation Analysis in Bread Samples. Journal of Agricultural and Food Chemistry, 2010, 58, 1366-1370.	2.4	47
70	Acute Paraquat Poisoning. Pediatric Emergency Care, 2006, 22, 537-540.	0.5	46
71	An effective antidote for paraquat poisonings: The treatment with lysine acetylsalicylate. Toxicology, 2009, 255, 187-193.	2.0	46
72	Gold Nanoparticles Induce Oxidative Stress and Apoptosis in Human Kidney Cells. Nanomaterials, 2020, 10, 995.	1.9	46

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73	Postmortem Analyses Unveil the Poor Efficacy of Decontamination, Anti-Inflammatory and Immunosuppressive Therapies in Paraquat Human Intoxications. PLoS ONE, 2009, 4, e7149.	1.1	46
74	Antioxidant Properties and Associated Mechanisms of Salicylates. Current Medicinal Chemistry, 2011, 18, 3252-3264.	1.2	45
75	The mixture of â€œecstasyâ€•and its metabolites is toxic to human SH-SY5Y differentiated cells at in vivo relevant concentrations. Archives of Toxicology, 2014, 88, 455-473.	1.9	45
76	Hepatoprotective activity of xanthones and xanthonolignoids against tert-butylhydroperoxide-induced toxicity in isolated rat hepatocytes--comparison with silybin. Pharmaceutical Research, 1995, 12, 1756-1760.	1.7	44
77	Methoxylated Xanthones in the Quality Control of Small Centaury (Centaurium erythraea) Flowering Tops. Journal of Agricultural and Food Chemistry, 2002, 50, 460-463.	2.4	44
78	Protective Activity of Hesperidin and Lipoic Acid Against Sodium Arsenite Acute Toxicity in Mice. Toxicologic Pathology, 2004, 32, 527-535.	0.9	44
79	Influence of CYP2D6 polymorphism on 3,4-methylenedioxymethamphetamine (â€˜Ecstasyâ€™) cytotoxicity. Pharmacogenetics and Genomics, 2006, 16, 789-799.	0.7	44
80	Sodium salicylate prevents paraquat-induced apoptosis in the rat lung. Free Radical Biology and Medicine, 2007, 43, 48-61.	1.3	44
81	Inhibition of Glutathione Reductase by Isoproterenol Oxidation Products. Journal of Enzyme Inhibition and Medicinal Chemistry, 1999, 15, 47-61.	0.5	43
82	Cocaine-induced kidney toxicity: an in vitro study using primary cultured human proximal tubular epithelial cells. Archives of Toxicology, 2012, 86, 249-261.	1.9	43
83	Piperazine designer drugs induce toxicity in cardiomyoblast h9c2 cells through mitochondrial impairment. Toxicology Letters, 2014, 229, 178-189.	0.4	43
84	Paraquat research: do recent advances in limiting its toxicity make its use safer?. British Journal of Pharmacology, 2013, 168, 44-45.	2.7	42
85	The Role of the Metabolism of Anticancer Drugs in Their Induced-Cardiotoxicity. Current Drug Metabolism, 2015, 17, 75-90.	0.7	41
86	Copper Enhances Isoproterenol Toxicity in Isolated Rat Cardiomyocytes: Effects on Oxidative Stress. Cardiovascular Toxicology, 2001, 1, 195-204.	1.1	40
87	Comparative metabolism of the designer drug 4-methylthioamphetamine by hepatocytes from man, monkey, dog, rabbit, rat and mouse. Naunyn-Schmiedeberg's Archives of Pharmacology, 2004, 369, 198-205.	1.4	40
88	Chronic exposure to ethanol exacerbates MDMA-induced hyperthermia and exposes liver to severe MDMA-induced toxicity in CD1 mice. Toxicology, 2008, 252, 64-71.	2.0	40
89	Neurotoxicity of â€œecstasyâ€•and its metabolites in human dopaminergic differentiated SH-SY5Y cells. Toxicology Letters, 2013, 216, 159-170.	0.4	39
90	Optimisation and validation of a HS-SPMEâ€“GCâ€“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. Talanta, 2016, 148, 486-493.	2.9	38

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91	The neurotoxicity of hallucinogenic amphetamines in primary cultures of hippocampal neurons. NeuroToxicology, 2013, 34, 254-263.	1.4	37
92	Mitochondrial Cumulative Damage Induced by Mitoxantrone: Late Onset Cardiac Energetic Impairment. Cardiovascular Toxicology, 2014, 14, 30-40.	1.1	37
93	Hepatotoxicity of piperazine designer drugs: Comparison of different in vitro models. Toxicology in Vitro, 2015, 29, 987-996.	1.1	37
94	Clinical and forensic signs related to chemical burns: A mechanistic approach. Burns, 2015, 41, 658-679.	1.1	37
95	PRECLINICAL STUDY: Ecstasyâ€induced oxidative stress to adolescent rat brain mitochondria in vivo: influence of monoamine oxidase type A. Addiction Biology, 2009, 14, 185-193.	1.4	36
96	Quantification of paraquat in postmortem samples by gas chromatographyâ€“ion trap mass spectrometry and review of the literature. Biomedical Chromatography, 2012, 26, 338-349.	0.8	36
97	Induction and activation of P-glycoprotein by dihydroxylated xanthones protect against the cytotoxicity of the P-glycoprotein substrate paraquat. Archives of Toxicology, 2014, 88, 937-951.	1.9	36
98	In vitro models for neurotoxicology research. Toxicology Research, 2015, 4, 801-842.	0.9	36
99	Quantification of alpha-amanitin in biological samples by HPLC using simultaneous UV- diode array and electrochemical detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 997, 85-95.	1.2	36
100	Nuclear Magnetic Resonance metabolomics reveals an excretory metabolic signature of renal cell carcinoma. Scientific Reports, 2016, 6, 37275.	1.6	36
101	Advances and Perspectives in Prostate Cancer Biomarker Discovery in the Last 5 Years through Tissue and Urine Metabolomics. Metabolites, 2021, 11, 181.	1.3	36
102	Cytotoxicity and cell signalling induced by continuous mild hyperthermia in freshly isolated mouse hepatocytes. Toxicology, 2006, 224, 210-218.	2.0	35
103	Doxorubicin induces biphasic neurotoxicity to rat cortical neurons. NeuroToxicology, 2008, 29, 286-293.	1.4	35
104	Adrenaline in pro-oxidant conditions elicits intracellular survival pathways in isolated rat cardiomyocytes. Toxicology, 2009, 257, 70-79.	2.0	35
105	Tolerance and Stress Response of Macrolepiota procera to Nickel. Journal of Agricultural and Food Chemistry, 2009, 57, 7145-7152.	2.4	35
106	Benzodiazepine Stability in Postmortem Samples Stored at Different Temperatures. Journal of Analytical Toxicology, 2012, 36, 52-60.	1.7	35
107	P-glycoprotein induction in Caco-2 cells by newly synthetized thioxanthones prevents paraquat cytotoxicity. Archives of Toxicology, 2015, 89, 1783-1800.	1.9	34
108	Mercury fatal intoxication: Two case reports. Forensic Science International, 2009, 184, e1-e6.	1.3	33

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109	Colchicine effect on P-glycoprotein expression and activity: In silico and in vitro studies. Chemico-Biological Interactions, 2014, 218, 50-62.	1.7	33
110	Do invading leucocytes contribute to the decrease in glutathione concentrations indicating oxidative stress in exercised muscle, or are they important for its recovery?. European Journal of Applied Physiology and Occupational Physiology, 1994, 68, 48-53.	1.2	32
111	d-Amphetamine Interaction with Glutathione in Freshly Isolated Rat Hepatocytes. Chemical Research in Toxicology, 1996, 9, 1031-1036.	1.7	32
112	Volatile metabolomic signature of bladder cancer cell lines based on gas chromatographyâ€“mass spectrometry. Metabolomics, 2018, 14, 62.	1.4	32
113	Adaptative response of antioxidant enzymes in different areas of rat brain after repeatedd-amphetamine administration. Addiction Biology, 2001, 6, 213-221.	1.4	31
114	2-Styrylchromones As Novel Inhibitors of Xanthine Oxidase. A Structure-activity Study. Journal of Enzyme Inhibition and Medicinal Chemistry, 2002, 17, 45-48.	2.5	31
115	Hepatoprotective activity of polyhydroxylated 2-styrylchromones against tert-butylhydroperoxide induced toxicity in freshly isolated rat hepatocytes. Archives of Toxicology, 2003, 77, 500-505.	1.9	31
116	Validation of an Electrothermal Atomization Atomic Absorption Spectrometry Method for Quantification of Total Chromium and Chromium(VI) in Wild Mushrooms and Underlying Soils. Journal of Agricultural and Food Chemistry, 2007, 55, 7192-7198.	2.4	31
117	Therapeutic Concentrations of Mitoxantrone Elicit Energetic Imbalance in H9c2 Cells as an Earlier Event. Cardiovascular Toxicology, 2013, 13, 413-425.	1.1	31
118	Hepatotoxicity of piperazine designer drugs: up-regulation of key enzymes of cholesterol and lipid biosynthesis. Archives of Toxicology, 2016, 90, 3045-3060.	1.9	31
119	Synthesis and Cyclic Voltammetry Studies of 3,4-Methylenedioxymethamphetamine (MDMA) Human Metabolites. Journal of Health Science, 2007, 53, 31-42.	0.9	30
120	Adrenaline and reactive oxygen species elicit proteome and energetic metabolism modifications in freshly isolated rat cardiomyocytes. Toxicology, 2009, 260, 84-96.	2.0	30
121	Non-targeted and targeted analysis of wild toxic and edible mushrooms using gas chromatographyâ€“ion trap mass spectrometry. Talanta, 2014, 118, 292-303.	2.9	30
122	The age factor for mitoxantroneâ€™s cardiotoxicity: Multiple doses render the adult mouse heart more susceptible to injury. Toxicology, 2015, 329, 106-119.	2.0	30
123	In vitro neurotoxicity evaluation of piperazine designer drugs in differentiated human neuroblastoma SHâ€SY5Y cells. Journal of Applied Toxicology, 2016, 36, 121-130.	1.4	30
124	Cellular uptake and toxicity of gold nanoparticles on two distinct hepatic cell models. Toxicology in Vitro, 2021, 70, 105046.	1.1	30
125	Differential Effects of Methyl-4-Phenylpyridinium Ion, Rotenone, and Paraquat on Differentiated SH-SY5Y Cells. Journal of Toxicology, 2013, 2013, 1-10.	1.4	29
126	"Ecstasy"-induced toxicity in SH-SY5Y differentiated cells: role of hyperthermia and metabolites. Archives of Toxicology, 2014, 88, 515-531.	1.9	29

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127	Renal cell carcinoma: a critical analysis of metabolomic biomarkers emerging from current model systems. Translational Research, 2017, 180, 1-11.	2.2	29
128	Synthesis and analysis of aminochromes by HPLC-photodiode array. Adrenochrome evaluation in rat blood. Biomedical Chromatography, 2003, 17, 6-13.	0.8	28
129	Reactivity of paraquat with sodium salicylate: Formation of stable complexes. Toxicology, 2008, 249, 130-139.	2.0	28
130	Update on 1-benzylpiperazine (BZP) party pills. Archives of Toxicology, 2013, 87, 929-947.	1.9	28
131	The novel psychoactive substance 3-methylmethcathinone (3-MMC or metaphedrone): A review. Forensic Science International, 2019, 295, 54-63.	1.3	28
132	CYP2D6 increases toxicity of the designer drug 4-methylthioamphetamine (4-MTA). Toxicology, 2007, 229, 236-244.	2.0	27
133	Synergistic toxicity of ethanol and MDMA towards primary cultured rat hepatocytes. Toxicology, 2008, 254, 42-50.	2.0	27
134	Structural isomerization of synephrine influences its uptake and ensuing glutathione depletion in rat-isolated cardiomyocytes. Archives of Toxicology, 2011, 85, 929-939.	1.9	27
135	Discovery of Volatile Biomarkers for Bladder Cancer Detection and Staging through Urine Metabolomics. Metabolites, 2021, 11, 199.	1.3	27
136	Simultaneous determination of reduced and oxidized glutathione in freshly isolated rat hepatocytes and cardiomyocytes by HPLC with electrochemical detection. Biomedical Chromatography, 2000, 14, 468-473.	0.8	26
137	Kinetics of paraquat in the isolated rat lung: Influence of sodium depletion. Xenobiotica, 2006, 36, 724-737.	0.5	26
138	Development and validation of a GC/IT-MS method for simultaneous quantitation of para and meta-synephrine in biological samples. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 721-726.	1.4	26
139	Pâ€glycoprotein activity in human Caucasian male lymphocytes does not follow its increased expression during aging. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 912-919.	1.1	26
140	Mechanisms of P-gp inhibition and effects on membrane fluidity of a new rifampicin derivative, 1,8-dibenzoyl-rifampicin. Toxicology Letters, 2013, 220, 259-266.	0.4	26
141	Determination of amatoxins and phallotoxins in Amanita phalloides mushrooms from northeastern Portugal by HPLC-DAD-MS. Mycologia, 2015, 107, 679-687.	0.8	26
142	GCâ€“MS metabolomics reveals disturbed metabolic pathways in primary mouse hepatocytes exposed to subtoxic levels of 3,4-methylenedioxymethamphetamine (MDMA). Archives of Toxicology, 2018, 92, 3307-3323.	1.9	26
143	A multiparametric study of gold nanoparticles cytotoxicity, internalization and permeability using anin vitromodel of bloodâ€“brain barrier. Influence of size, shape and capping agent. Nanotoxicology, 2019, 13, 990-1004.	1.6	26
144	Metabolomic approaches in the discovery of potential urinary biomarkers of drug-induced liver injury (DILI). Critical Reviews in Toxicology, 2017, 47, 638-654.	1.9	25

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145	Structure-cytotoxicity relationship profile of 13 synthetic cathinones in differentiated human SH-SY5Y neuronal cells. NeuroToxicology, 2019, 75, 158-173.	1.4	25
146	l-proline supplementation improves nitric oxide bioavailability and counteracts the blood pressure rise induced by angiotensin II in rats. Nitric Oxide - Biology and Chemistry, 2019, 82, 1-11.	1.2	25
147	Biomarkers in renal cell carcinoma: a metabolomics approach. Metabolomics, 2014, 10, 1210-1222.	1.4	24
148	The Mixture of â€œEcstasyâ€•and Its Metabolites Impairs Mitochondrial Fusion/Fission Equilibrium and Trafficking in Hippocampal Neurons, at In Vivo Relevant Concentrations. Toxicological Sciences, 2014, 139, 407-420.	1.4	24
149	New findings on urinary prostate cancer metabolome through combined GCâ€“MS and 1H NMR analytical platforms. Metabolomics, 2020, 16, 70.	1.4	24
150	Spectrometric determination of silicon in food and biological samples: an interlaboratory trial. Journal of Analytical Atomic Spectrometry, 2000, 15, 735-741.	1.6	23
151	Doxorubicin decreases paraquat accumulation and toxicity in Caco-2 cells. Toxicology Letters, 2013, 217, 34-41.	0.4	23
152	Development of Novel Rifampicin-Derived P-Glycoprotein Activators/Inducers. Synthesis, In Silico Analysis and Application in the RBE4 Cell Model, Using Paraquat as Substrate. PLoS ONE, 2013, 8, e74425.	1.1	23
153	Urinary Volatilomics Unveils a Candidate Biomarker Panel for Noninvasive Detection of Clear Cell Renal Cell Carcinoma. Journal of Proteome Research, 2021, 20, 3068-3077.	1.8	23
154	Variability in phenolic composition of hypericum Androsaemum. Natural Product Research, 2003, 17, 135-140.	1.0	22
155	Hypericum androsaemum infusion increases tert-butyl hydroperoxide-induced mice hepatotoxicity in vivo. Journal of Ethnopharmacology, 2004, 94, 345-351.	2.0	22
156	Methylphenidate effects in the young brain: friend or foe?. International Journal of Developmental Neuroscience, 2017, 60, 34-47.	0.7	22
157	GC-MS-Based Endometabolome Analysis Differentiates Prostate Cancer from Normal Prostate Cells. Metabolites, 2018, 8, 23.	1.3	22
158	An effective antidotal combination of polymyxin B and methylprednisolone for Î±-amanitin intoxication. Archives of Toxicology, 2019, 93, 1449-1463.	1.9	22
159	Effect of chronic ethanol exposure on the hepatotoxicity of ecstasy in mice: An ex vivo study. Toxicology in Vitro, 2008, 22, 910-920.	1.1	21
160	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 3083-3088.	1.2	21
161	NMR-based metabolomics studies of human prostate cancer tissue. Metabolomics, 2018, 14, 88.	1.4	21
162	The new psychoactive substance 3-methylmethcathinone (3-MMC or metaphedrone) induces oxidative stress, apoptosis, and autophagy in primary rat hepatocytes at human-relevant concentrations. Archives of Toxicology, 2019, 93, 2617-2634.	1.9	21

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163	Hydrogen peroxide production in mouse tissues after acute d -amphetamine administration. Influence of monoamine oxidase inhibition. Archives of Toxicology, 2001, 75, 465-469.	1.9	20
164	Toxicological evaluation of lactose and chitosan delivered by inhalation. Journal of Biomaterials Science, Polymer Edition, 2008, 19, 387-397.	1.9	20
165	In vitro hepatotoxicity of â€˜Legal Xâ€™: the combination of 1-benzylpiperazine (BZP) and 1-(m-trifluoromethylphenyl)piperazine (TFMPP) triggers oxidative stress, mitochondrial impairment and apoptosis. Archives of Toxicology, 2017, 91, 1413-1430.	1.9	20
166	In vitro mechanistic studies on Î±-amanitin and its putative antidotes. Archives of Toxicology, 2020, 94, 2061-2078.	1.9	20
167	Effect of d -amphetamine repeated administration on rat antioxidant defences. Archives of Toxicology, 1999, 73, 83-89.	1.9	19
168	4-methylthioamphetamine-induced hyperthermia in mice: influence of serotonergic and catecholaminergic pathways. Toxicology and Applied Pharmacology, 2003, 190, 262-271.	1.3	19
169	Gas chromatographyâ€“ion trap mass spectrometry method for the simultaneous measurement of MDMA (ecstasy) and its metabolites, MDA, HMA, and HMMA in plasma and urine. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 815-822.	1.2	19
170	RBE4 cells are highly resistant to paraquatâ€induced cytotoxicity: studies on uptake and efflux mechanisms. Journal of Applied Toxicology, 2014, 34, 1023-1030.	1.4	19
171	Metabolism of the designer drug 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in mice, after acute administration. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 811, 143-152.	1.2	18
172	Strenuous exercise aggravates MDMA-induced skeletal muscle damage in mice. Toxicology, 2005, 206, 349-358.	2.0	18
173	New formulation of paraquat with lysine acetylsalicylate with low mammalian toxicity and effective herbicidal activity. Pest Management Science, 2013, 69, 553-558.	1.7	18
174	MDMA impairs mitochondrial neuronal trafficking in a Tau- and Mitofusin2/Drp1-dependent manner. Archives of Toxicology, 2014, 88, 1561-1572.	1.9	18
175	Naphthoquinoxaline metabolite of mitoxantrone is less cardiotoxic than the parent compound and it can be a more cardiosafe drug in anticancer therapy. Archives of Toxicology, 2017, 91, 1871-1890.	1.9	18
176	Ethanol addictively enhances the in vitro cardiotoxicity of cocaine through oxidative damage, energetic deregulation, and apoptosis. Archives of Toxicology, 2018, 92, 2311-2325.	1.9	18
177	Analysis of extracellular metabolome by HS-SPME/GCâ€“MS: Optimization and application in a pilot study to evaluate galactosamine-induced hepatotoxicity. Toxicology Letters, 2018, 295, 22-31.	0.4	18
178	A Panel of Urinary Volatile Biomarkers for Differential Diagnosis of Prostate Cancer from Other Urological Cancers. Cancers, 2020, 12, 2017.	1.7	18
179	Metabolism of the designer drug 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in mice, after acute administration. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 811, 143-152.	1.2	18
180	Several transport systems contribute to the intestinal uptake of Paraquat, modulating its cytotoxic effects. Toxicology Letters, 2015, 232, 271-283.	0.4	17

#	Article	IF	Citations
181	Leucoisoprenochrome-o-semiquinone Formation in Freshly Isolated Adult Rat Cardiomyocytes. Chemical Research in Toxicology, 2004, 17, 1584-1590.	1.7	16
182	Protective activity of Hypericum androsaemum infusion against tert-butyl hydroperoxide-induced oxidative damage in isolated rat hepatocytes. Journal of Ethnopharmacology, 2004, 92, 79-84.	2.0	16
183	Cross-Functioning between the Extraneuronal Monoamine Transporter and Multidrug Resistance Protein 1 in the Uptake of Adrenaline and Export of 5-(Glutathion-S-yl)adrenaline in Rat Cardiomyocytes. Chemical Research in Toxicology, 2009, 22, 129-135.	1.7	16
184	Study of the intestinal uptake and permeability of gold nanoparticles using bothin vitroandin vivoapproaches. Nanotechnology, 2020, 31, 195102.	1.3	16
185	Role of Inflammation and Redox Status on Doxorubicin-Induced Cardiotoxicity in Infant and Adult CD-1 Male Mice. Biomolecules, 2021, 11, 1725.	1.8	16
186	Electrospray tandem mass spectrometry of aminochromes. Rapid Communications in Mass Spectrometry, 2001, 15, 2466-2471.	0.7	15
187	New in silico insights into the inhibition of RNAP II by Î±-amanitin and the protective effect mediated by effective antidotes. Journal of Molecular Graphics and Modelling, 2014, 51, 120-127.	1.3	15
188	GC-MS Metabolomics Reveals Distinct Profiles of Low- and High-Grade Bladder Cancer Cultured Cells. Metabolites, 2019, 9, 18.	1.3	15
189	Benzo fury: A new trend in the drug misuse scene. Journal of Applied Toxicology, 2019, 39, 1083-1095.	1.4	15
190	A Metabolomic Approach for the In Vivo Study of Gold Nanospheres and Nanostars after a Single-Dose Intravenous Administration to Wistar Rats. Nanomaterials, 2019, 9, 1606.	1.9	15
191	Diet aid or aid to die: an update on 2,4-dinitrophenol (2,4-DNP) use as a weight-loss product. Archives of Toxicology, 2020, 94, 1071-1083.	1.9	15
192	Exploring the aging effect of the anticancer drugs doxorubicin and mitoxantrone on cardiac mitochondrial proteome using a murine model. Toxicology, 2021, 459, 152852.	2.0	15
193	Selective Determination of Chromium (VI) in Powdered Milk Infant Formulas by Electrothermal Atomization Atomic Absorption Spectrometry after Ion Exchange. Journal of AOAC INTERNATIONAL, 2000, 83, 220-223.	0.7	14
194	Determination of amphetamine and its metabolitep-hydroxyamphetamine in rat urine by reversed-phase high-performance liquid chromatography after dabsyl derivatization. Biomedical Chromatography, 2001, 15, 452-456.	0.8	14
195	Validation of a Method To Quantify Copper and Other Metals in Olive Fruit by ETAAS. Application to the Residual Metal Control after Olive Tree Treatments with Different Copper Formulations. Journal of Agricultural and Food Chemistry, 2006, 54, 3923-3928.	2.4	14
196	Neuronal Nitric Oxide Synthase is a Key Factor in Doxorubicin-Induced Toxicity to Rat-Isolated Cortical Neurons. Neurotoxicity Research, 2011, 19, 14-22.	1.3	14
197	Quantification of Total and Hexavalent Chromium in Lager Beers: Variability between Styles and Estimation of Daily Intake of Chromium from Beer. Journal of Agricultural and Food Chemistry, 2014, 62, 9195-9200.	2.4	14
198	Co-ingestion of amatoxins and isoxazoles-containing mushrooms and successful treatment: A case report. Toxicon, 2015, 103, 55-59.	0.8	14

#	Article	IF	Citations
199	Inorganic mercury intoxication: A case report. Forensic Science International, 2016, 259, e20-e24.	1.3	14
200	Cardiotoxicity of cyclophosphamideâ€™s metabolites: an in vitro metabolomics approach in AC16 human cardiomyocytes. Archives of Toxicology, 2022, 96, 653-671.	1.9	14
201	Determination of arsenic, cadmium and lead in porcine and bovine kidneys by electrothermal atomic absorption spectrometry. Analyst, The, 1995, 120, 2367.	1.7	13
202	Lysine acetylsalicylate increases the safety of a paraquat formulation to freshwater primary producers: A case study with the microalga Chlorella vulgaris. Aquatic Toxicology, 2014, 146, 137-143.	1.9	13
203	Cumulative Mitoxantroneâ€Induced Haematological and Hepatic Adverse Effects in a Subchronic In vivo Study. Basic and Clinical Pharmacology and Toxicology, 2014, 114, 254-262.	1.2	13
204	Toxicity of the amphetamine metabolites 4-hydroxyamphetamine and 4-hydroxynorephedrine in human dopaminergic differentiated SH-SY5Y cells. Toxicology Letters, 2017, 269, 65-76.	0.4	13
205	Mitoxantrone is More Toxic than Doxorubicin in SH-SY5Y Human Cells: A â€˜Chemobrainâ€™ In Vitro Study. Pharmaceuticals, 2018, 11, 41.	1.7	13
206	Doxorubicin Is Key for the Cardiotoxicity of FAC (5-Fluorouracil + Adriamycin + Cyclophosphamide) Combination in Differentiated H9c2 Cells. Biomolecules, 2019, 9, 21.	1.8	13
207	Inflammation as a Possible Trigger for Mitoxantrone-Induced Cardiotoxicity: An In Vivo Study in Adult and Infant Mice. Pharmaceuticals, 2021, 14, 510.	1.7	13
208	Evaluation of GSH adducts of adrenaline in biological samples. Biomedical Chromatography, 2007, 21, 670-679.	0.8	12
209	Quantification of Methadone and Main Metabolites in Nails. Journal of Analytical Toxicology, 2018, 42, 192-206.	1.7	12
210	Drinking to death: Hyponatraemia induced by synthetic phenethylamines. Drug and Alcohol Dependence, 2020, 212, 108045.	1.6	12
211	CARDIOTOXICITY STUDIES USING FRESHLY ISOLATED CALCIUM-TOLERANT CARDIOMYOCYTES FROM ADULT RAT. In Vitro Cellular and Developmental Biology - Animal, 2001, 37, 1.	0.7	11
212	Water extracts of Brassica oleracea var. costata potentiate paraquat toxicity to rat hepatocytes in vitro. Toxicology in Vitro, 2009, 23, 1131-1138.	1.1	11
213	Comparative effects of 3,4-methylenedioxymethamphetamine and 4-methylthioamphetamine on rat liver mitochondrial function. Toxicology, 2010, 270, 99-105.	2.0	11
214	Metabolic interactions between ethanol and MDMA in primary cultured rat hepatocytes. Toxicology, 2010, 270, 150-157.	2.0	11
215	The Main Metabolites of Fluorouracil + Adriamycin + Cyclophosphamide (FAC) Are Not Major Contributors to FAC Toxicity in H9c2 Cardiac Differentiated Cells. Biomolecules, 2019, 9, 98.	1.8	11
216	Emerging club drugs: 5-(2-aminopropyl)benzofuran (5-APB) is more toxic than its isomer 6-(2-aminopropyl)benzofuran (6-APB) in hepatocyte cellular models. Archives of Toxicology, 2020, 94, 609-629.	1.9	11

#	Article	IF	Citations
217	In vivo toxicometabolomics reveals multi-organ and urine metabolic changes in mice upon acuteÂexposure to human-relevant doses of 3,4-methylenedioxypyrovalerone (MDPV). Archives of Toxicology, 2021, 95, 509-527.	1.9	11
218	Comprehensive Metabolomics and Lipidomics Profiling of Prostate Cancer Tissue Reveals Metabolic Dysregulations Associated with Disease Development. Journal of Proteome Research, 2021, , .	1.8	11
219	Identification of 4-Methylthioamphetamine and Some of its Metabolites in Mouse Urine by GC-MS after Acute Administration. Journal of Analytical Toxicology, 2002, 26, 228-232.	1.7	10
220	5,7-Dihydroxitryptamine toxicity to serotonergic neurons in serum free raphe cultures. European Journal of Pharmacology, 2008, 588, 232-238.	1.7	10
221	Analytical investigation of legal high products containing Salvia divinorum traded in smartshops and internet. Forensic Science International, 2014, 242, 255-260.	1.3	10
222	â€œEcstasyâ€•toxicity to adolescent rats following an acute low binge dose. BMC Pharmacology & Toxicology, 2016, 17, 28.	1.0	10
223	The Impact of Different Closures on the Flavor Composition of Wines during Bottle Aging. Foods, 2021, 10, 2070.	1.9	10
224	Tolerance and Bioaccumulation of Copper by the Entomopathogen Beauveria bassiana (Bals.-Criv.) Vuill. Exposed to Various Copper-Based Fungicides. Bulletin of Environmental Contamination and Toxicology, 2012, 89, 53-60.	1.3	9
225	Chromium speciation and biochemical changes vary in relation to plant ploidy. Journal of Inorganic Biochemistry, 2015, 145, 70-78.	1.5	9
226	Chemical characterization and in vitro cyto- and genotoxicity of â€˜legal highâ€™ products containing Kratom (Mitragyna speciosa). Forensic Toxicology, 2016, 34, 213-226.	1.4	9
227	Mitoxantrone impairs proteasome activity and prompts early energetic and proteomic changes in HL-1 cardiomyocytes at clinically relevant concentrations. Archives of Toxicology, 2020, 94, 4067-4084.	1.9	9
228	Volatilomics Reveals Potential Biomarkers for Identification of Renal Cell Carcinoma: An In Vitro Approach. Metabolites, 2020, 10, 174.	1.3	9
229	Oxygenated xanthones as P-glycoprotein modulators at the intestinal barrier: in vitro and docking studies. Medicinal Chemistry Research, 2020, 29, 1041-1057.	1.1	9
230	Four decades of chemotherapy-induced cognitive dysfunction: comprehensive review of clinical, animal and in vitro studies, and insights of key initiating events. Archives of Toxicology, 2022, 96, 11-78.	1.9	9
231	Changes in taurine levels in response to repeated administration of the Î² 2 â€agonist salbutamol in lambs. Journal of Veterinary Pharmacology and Therapeutics, 1997, 20, 33-37.	0.6	8
232	Adverse outcome pathways induced by 3,4-dimethylmethcathinone and 4-methylmethcathinone in differentiated human SH-SY5Y neuronal cells. Archives of Toxicology, 2020, 94, 2481-2503.	1.9	8
233	Effect of temperature on 3,4-Methylenedioxypyrovalerone (MDPV)-induced metabolome disruption in primary mouse hepatic cells. Toxicology, 2020, 441, 152503.	2.0	8
234	The study of oxidative stress in freshly isolated Ca2+-tolerant cardiomyocytes from the adult rat. Toxicology in Vitro, 2001, 15, 283-287.	1.1	7

#	Article	IF	Citations
235	Effect of 3,4-methylenedioxyamphetamine on dendritic spine dynamics in rat neocortical neurons â€" Involvement of heat shock protein 27. Brain Research, 2011, 1370, 43-52.	1.1	7
236	Modeling chronic brain exposure to amphetamines using primary rat neuronal cortical cultures. Neuroscience, 2014, 277, 417-434.	1.1	7
237	Metabolic signature of methylone in primary mouse hepatocytes, at subtoxic concentrations. Archives of Toxicology, 2019, 93, 3277-3290.	1.9	7
238	4-Fluoromethamphetamine (4-FMA) induces in vitro hepatotoxicity mediated by CYP2E1, CYP2D6, and CYP3A4 metabolism. Toxicology, 2021, 463, 152988.	2.0	7
239	Pharmacometabolomics Applied to Personalized Medicine in Urological Cancers. Pharmaceuticals, 2022, 15, 295.	1.7	7
240	Validation of an Electrothermal Atomization Atomic Absorption Spectrometry Method for the Determination of Aluminum, Copper, and Lead in Grapes. Journal of Agricultural and Food Chemistry, 2006, 54, 9312-9316.	2.4	6
241	Methods for the analysis of transcriptome dynamics. Toxicology Research, 2019, 8, 597-612.	0.9	6
242	Pharmacokinetics, pharmacodynamics, and toxicity of the new psychoactive substance 3,4-dimethylmethcathinone (3,4-DMMC). Forensic Toxicology, 2020, 38, 15-29.	1.4	6
243	Biodistribution and metabolic profile of 3,4-dimethylmethcathinone (3,4-DMMC) in Wistar rats through gas chromatographyâ€"mass spectrometry (GCâ€"MS) analysis. Toxicology Letters, 2020, 320, 113-123.	0.4	6
244	Volatile profile of cork as a tool for classification of natural cork stoppers. Talanta, 2021, 223, 121698.	2.9	6
245	From street to lab: in vitro hepatotoxicity of buphedrone, butylone and 3,4-DMMC. Archives of Toxicology, 2021, 95, 1443-1462.	1.9	6
246	Pixantrone, a new anticancer drug with the same old cardiac problems? An in vitro study with differentiated and non-differentiated H9c2 cells. Interdisciplinary Toxicology, 2018, 11, 13-21.	1.0	6
247	Chemobrain: mitoxantrone-induced oxidative stress, apoptotic and autophagic neuronal death in adult CD-1 mice. Archives of Toxicology, 2022, 96, 1767-1782.	1.9	6
248	Implementation of HPLC Methodology for the Quantification of Malondialdehyde in Cell Suspensions and Liver. Journal of Liquid Chromatography and Related Technologies, 2004, 27, 2357-2369.	0.5	5
249	Hepatic Metabolic Derangements Triggered by Hyperthermia: An In Vitro Metabolomic Study. Metabolites, 2019, 9, 228.	1.3	5
250	3,4-Methylenedioxymethamphetamine Hepatotoxicity under the Heat Stress Condition: Novel Insights from in Vitro Metabolomic Studies. Journal of Proteome Research, 2020, 19, 1222-1234.	1.8	5
251	D-Amphetamine-Induced Hydrogen Peroxide Production in Skeletal Muscle is Modulated by Monoamine Oxidase Inhibition. International Journal of Sports Medicine, 2004, 25, 446-449.	0.8	4
252	Determination of formic acid in urine of workers occupationally exposed to formaldehyde. Toxicology Letters, 2010, 196, S74.	0.4	4

#	Article	IF	Citations
253	Snake venoms from Angola: Intra-specific variations and immunogenicity. Toxicon, 2018, 148, 85-94.	0.8	4
254	Impact of Cork Closures on the Volatile Profile of Sparkling Wines during Bottle Aging. Foods, 2022, 11, 293.	1.9	4
255	Silicon and iron levels in tissues of animals treated with a â€œferrimagnetic ceramicâ€•with oncotherapeutic potential (anti-tumor) value. Journal of Trace Elements in Medicine and Biology, 2002, 16, 255-259.	1.5	3
256	Repeated Administration of d-Amphetamine Results in a Time-dependent and Dose-independent Sustained Increase in Urinary Excretion of p-Hydroxyamphetamine in Mice. Journal of Health Science, 2007, 53, 371-377.	0.9	3
257	Lysine acetylsalicylate elicits full survival of Wistar rats exposed to a lethal dose of paraquat. Toxicology Letters, 2009, 189, S121-S122.	0.4	3
258	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.	1.3	3
259	Effect of cooking on diazepam and its metabolites in liver of bulls. Journal of Agricultural and Food Chemistry, 1993, 41, 965-967.	2.4	2
260	Propofol and metabolites monitoring in serum of patients with induced sedation. Toxicology Letters, 2009, 189, S113-S114.	0.4	2
261	Influence of surface coating on the toxicity of gold nanoparticles in Caco-2 cells. Toxicology Letters, 2010, 196, S277.	0.4	2
262	P-glycoprotein induction by hypericin protects Caco-2 cells against paraquat toxicity. Toxicology Letters, 2011, 205, S93-S94.	0.4	2
263	Lysine acetylsalicylate improves the safety of paraquat formulation in rats by increasing its elimination and preventing lung and kidney injury. Toxicology Research, 2014, 3, 266.	0.9	2
264	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.	0.5	2
265	Ethanol, the forgotten artifact in cell culture. Archives of Toxicology, 2008, 82, 197-198.	1.9	1
266	Quantification of paraquat in postmortem samples by gas chromatographyâ€“ion trap mass spectrometry. Toxicology Letters, 2011, 205, S198.	0.4	1
267	Development and validation of a gas chromatography/mass spectrometry method for simultaneous quantification of benzylpiperazine and its metabolites: Application to a pilot toxicokinetic study in mice. Toxicology Letters, 2013, 221, S185-S186.	0.4	1
268	Neurotoxicity of amphetamine and its metabolite 4-hydroxynorephedrine on differentiated SH-SY5Y dopaminergic cells. Toxicology Letters, 2015, 238, S358.	0.4	1
269	Paraquat: Molecular Mechanisms of Neurotoxicity and its Relation with Autophagy. Current Topics in Neurotoxicity, 2015, , 159-170.	0.4	1
270	Quantification of 1â€(propanâ€2â€ylamino)â€4â€propoxyâ€9‹i›H‹/i›â€thioxanthenâ€9â€one (TX5), a newly synthetized Pâ€glycoprotein inducer/activator, in biological samples: method development and validation. Biomedical Chromatography, 2017, 31, e3802.	0.8	1

#	Article	IF	Citations
271	Neuronal Mitochondrial Trafficking Impairment: The Cause or a Consequence of Neuronal Dysfunction Caused by Amphetamine-Like Drugs. Journal of Drug and Alcohol Research, 2014, 3, 1-7.	0.9	1
272	A new and vital antidotal pathway for paraquat poisonings more than 60 years later: Induction of lung P-glycoprotein. Toxicology Letters, 2006, 164, S75.	0.4	0
273	Ecstasy-induced cell death in cortical neuronal cultures is 5-HT2A-receptor-dependent and potentiated under hyperthermia. Toxicology Letters, 2006, 164, S116.	0.4	0
274	Neurotoxicity of ecstasy metabolites in rat cortical neurons, and influence of hyperthermia. Toxicology Letters, 2006, 164, S118.	0.4	0
275	Effect of adrenaline and oxygen free radicals on calcium tolerant cardiomyocytes: Formation of glutathione adducts. Toxicology Letters, 2006, 164, S130-S131.	0.4	0
276	Validation of a HPLC-ECD method for the detection of adrenaline-GSH adducts in biological samples. Toxicology Letters, 2006, 164, S132.	0.4	0
277	Hyperthermia-induced toxicity in freshly isolated mouse hepatocytes: Involvement of oxidative stress and cellular signalling. Toxicology Letters, 2006, 164, S135.	0.4	0
278	Ethanol and ecstasy: Allied enemies of freshly isolated mouse hepatocytes. Toxicology Letters, 2006, 164, S205.	0.4	0
279	Dexamethasone treatment decreases the pathological effects and increases the survival rate of paraquat-intoxicated rats. Toxicology Letters, 2006, 164, S237-S238.	0.4	0
280	Influence of CYP2D6 polymorphism on 3,4-methylenedioxymethamphetamine (â€œecstasyâ€) cytotoxicity. Toxicology Letters, 2006, 164, S295-S296.	0.4	0
281	Stability studies of ketazolam in human samples with forensic interest. Toxicology Letters, 2006, 164, S306-S307.	0.4	0
282	Validation of a HPLC-ECD method for the quantification of the highly reactive metabolite of ecstasy, N-methyl-Î±-methyldopamine, in human serum. Toxicology Letters, 2006, 164, S309.	0.4	0
283	Time dependent activation of transcription factors in freshly isolated cardiomyocytes: Adrenaline and reactive oxygen species incubation. Toxicology Letters, 2007, 172, S5-S6.	0.4	0
284	Influence of CYP2D6 polymorphism on the cytotoxicity of the designer drug 4-methylthioamphetamine (4-MTA). Toxicology Letters, 2007, 172, S40.	0.4	0
285	Transference of total chromium and hexavalent chromium from soils to mushrooms. Toxicology Letters, 2007, 172, S193.	0.4	0
286	Chemical reactivity of paraquat with the previously validated antidote, sodium salicylate. Toxicology Letters, 2008, 180, S166.	0.4	0
287	Effect of P-Glycoprotein inducers on its expression and activity in Caco-2 cells. Toxicology Letters, 2008, 180, S116.	0.4	0
288	Hexavalent chromium as a contaminant of food matrices: Its control in bread samples. Toxicology Letters, 2009, 189, S232.	0.4	0

#	Article	IF	Citations
289	The paraquat-induced toxicity is reversed with the co-exposure to doxorubicin in Caco-2 cells. Toxicology Letters, 2010, 196, S110.	0.4	0
290	Therapeutic concentrations of mitoxantrone elicit cytotoxic effects on H9c2 cells. Toxicology Letters, 2011, 205, S56.	0.4	0
291	â€˜Ecstasyâ€™ and amphetamine induce developmental neurotoxicity to immature cultured rat cortical neurons. Toxicology Letters, 2011, 205, S113.	0.4	0
292	N-acetyl-cysteine prevents the cytotoxicity of adrenaline oxidation in SH-SY5Y cells. Toxicology Letters, 2011, 205, S220.	0.4	0
293	Immortalized rat brain endothelial cells are highly resistant to paraquat toxic effect. Toxicology Letters, 2012, 211, S175.	0.4	0
294	â€˜Ecstasyâ€™ and amphetamine neurotoxicity to cultured rat cortical neurons in a continuous exposure model. Toxicology Letters, 2013, 221, S233.	0.4	0
295	Piperazine designer drugs present cytotoxicity to primary rat hepatocytes. Toxicology Letters, 2013, 221, S157.	0.4	0
296	â€˜Smartâ€™ but not safe: The potential hepatotoxicity of synthetic cathinones. Toxicology Letters, 2014, 229, S64.	0.4	0
297	An insight into the mechanisms underlying the hepatotoxicity of cathinone derivatives. Toxicology Letters, 2014, 229, S58.	0.4	0
298	Lysine acetylsalicylate improves the safety of paraquat formulation in rats by increasing its elimination and preventing lung and kidney injury. Toxicology Letters, 2014, 229, S238-S239.	0.4	0
299	Induction and activation of P-glycoprotein efflux pump as a therapeutic strategy. Toxicology Letters, 2015, 238, S48.	0.4	0
300	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.	0.4	0
301	Development of an analytical method with PFBHA derivatization followed by headspace SPME-GC/MS for the determination of urinary volatile carbonyl metabolites in patients with prostate cancer. Toxicology Letters, 2015, 238, S232.	0.4	0
302	Mitochondrial Trails in the Neurotoxic Mechanisms of MDMA. , 2016, , 431-444.		0
303	Renal cell carcinoma detection by analysis of Volatile Organic Compounds in urine. Toxicology Letters, 2016, 258, S282.	0.4	0
304	Î²-amphetamines: Neurotoxicity triggered by methylone and MDPV in undifferentiated and differentiated SH-SY5Y cells and comparison to MDMA. Toxicology Letters, 2016, 258, S289.	0.4	0
305	Improving the human and environmental safety of paraquat. Toxicology Letters, 2016, 259, S29.	0.4	0
306	Studies towards the synthesis of dicarboxylic acid metabolite of mitoxantrone. Porto Biomedical Journal, 2017, 2, 220-221.	0.4	0