

H Carmo

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

2,940
citations

28
h-index

51
g-index

133
ext. papers

3,367
ext. citations

4.4
avg, IF

5.03
L-index

#	Paper	IF	Citations
94	The Toll of Benzofurans in the Context of Drug Abuse 2022 , 1-24		
93	Synthetic Cannabinoids and Neurodevelopment 2022 , 1-22		
92	4-Fluoromethamphetamine (4-FMA) induces in vitro hepatotoxicity mediated by CYP2E1, CYP2D6, and CYP3A4 metabolism. <i>Toxicology</i> , 2021 , 463, 152988	4.4	1
91	Doping detection in animals: A review of analytical methodologies published from 1990 to 2019. <i>Drug Testing and Analysis</i> , 2021 , 13, 474-504	3.5	1
90	Overview of Synthetic Cannabinoids ADB-FUBINACA and AMB-FUBINACA: Clinical, Analytical, and Forensic Implications. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	4
89	From street to lab: in vitro hepatotoxicity of buphedrone, butylone and 3,4-DMMC. <i>Archives of Toxicology</i> , 2021 , 95, 1443-1462	5.8	2
88	Cannabinoids and psychosis: current challenges of mechanistic toxicology 2021 , 601-615		0
87	Gold Nanoparticles Induce Oxidative Stress and Apoptosis in Human Kidney Cells. <i>Nanomaterials</i> , 2020 , 10,	5.4	25
86	Drinking to death: Hyponatraemia induced by synthetic phenethylamines. <i>Drug and Alcohol Dependence</i> , 2020 , 212, 108045	4.9	9
85	Molecular basis of mood and cognitive adverse events elucidated via a combination of pharmacovigilance data mining and functional enrichment analysis. <i>Archives of Toxicology</i> , 2020 , 94, 2829-2845 ⁰	5.8	5
84	Efficacy, Stability, and Safety Evaluation of New Polyphenolic Xanthenes Towards Identification of Bioactive Compounds to Fight Skin Photoaging. <i>Molecules</i> , 2020 , 25,	4.8	5
83	Diet aid or aid to die: an update on 2,4-dinitrophenol (2,4-DNP) use as a weight-loss product. <i>Archives of Toxicology</i> , 2020 , 94, 1071-1083	5.8	8
82	Study of the intestinal uptake and permeability of gold nanoparticles using both in vitro and in vivo approaches. <i>Nanotechnology</i> , 2020 , 31, 195102	3.4	12
81	Biodistribution and metabolic profile of 3,4-dimethylmethcathinone (3,4-DMMC) in Wistar rats through gas chromatography-mass spectrometry (GC-MS) analysis. <i>Toxicology Letters</i> , 2020 , 320, 113-123 ⁴	4.4	5
80	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. <i>Archives of Toxicology</i> , 2020 , 94, 609-629	5.8	6
79	Piperazine designer drugs elicit toxicity in the alternative in vivo model <i>Caenorhabditis elegans</i> . <i>Journal of Applied Toxicology</i> , 2020 , 40, 363-372	4.1	3
78	Epigenetics and the endocannabinoid system signaling: An intricate interplay modulating neurodevelopment. <i>Pharmacological Research</i> , 2020 , 162, 105237	10.2	11

77	The Synthetic Cannabinoids THJ-2201 and 5F-PB22 Enhance In Vitro CB Receptor-Mediated Neuronal Differentiation at Biologically Relevant Concentrations. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
76	Pharmacokinetics, pharmacodynamics, and toxicity of the new psychoactive substance 3,4-dimethylmethcathinone (3,4-DMMC). <i>Forensic Toxicology</i> , 2020 , 38, 15-29	2.6	5
75	Synthetic cannabinoids and their impact on neurodevelopmental processes. <i>Addiction Biology</i> , 2020 , 25, e12824	4.6	12
74	The new psychoactive substance 3-methylmethcathinone (3-MMC or metaphedrone) induces oxidative stress, apoptosis, and autophagy in primary rat hepatocytes at human-relevant concentrations. <i>Archives of Toxicology</i> , 2019 , 93, 2617-2634	5.8	11
73	A multiparametric study of gold nanoparticles cytotoxicity, internalization and permeability using an model of blood-brain barrier. Influence of size, shape and capping agent. <i>Nanotoxicology</i> , 2019 , 13, 990-1004	5.3	14
72	Synthetic Cannabinoids JWH-122 and THJ-2201 Disrupt Endocannabinoid-Regulated Mitochondrial Function and Activate Apoptotic Pathways as a Primary Mechanism of In Vitro Nephrotoxicity at In Vivo Relevant Concentrations. <i>Toxicological Sciences</i> , 2019 , 169, 422-435	4.4	9
71	Benzo fury: A new trend in the drug misuse scene. <i>Journal of Applied Toxicology</i> , 2019 , 39, 1083-1095	4.1	7
70	Implementation of an in vitro methodology for phototoxicity evaluation in a human keratinocyte cell line. <i>Toxicology in Vitro</i> , 2019 , 61, 104618	3.6	4
69	Newly Synthesized Oxygenated Xanthenes as Potential P-Glycoprotein Activators: , , and Studies. <i>Molecules</i> , 2019 , 24,	4.8	13
68	A Metabolomic Approach for the In Vivo Study of Gold Nanospheres and Nanostars after a Single-Dose Intravenous Administration to Wistar Rats. <i>Nanomaterials</i> , 2019 , 9,	5.4	8
67	The Use of Feathers from Racing Pigeons for Doping Control Purposes. <i>Journal of Analytical Toxicology</i> , 2019 , 43, 307-315	2.9	2
66	The novel psychoactive substance 3-methylmethcathinone (3-MMC or metaphedrone): A review. <i>Forensic Science International</i> , 2019 , 295, 54-63	2.6	14
65	Quantification of Methadone and Main Metabolites in Nails. <i>Journal of Analytical Toxicology</i> , 2018 , 42, 192-206	2.9	4
64	The synthetic cannabinoid XLR-11 induces in vitro nephrotoxicity by impairment of endocannabinoid-mediated regulation of mitochondrial function homeostasis and triggering of apoptosis. <i>Toxicology Letters</i> , 2018 , 287, 59-69	4.4	21
63	Quantification of doping compounds in faecal samples from racing pigeons, by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1089, 33-42	3.2	3
62	Toxicological Evaluation of Luminescent Silica Nanoparticles as New Drug Nanocarriers in Different Cancer Cell Lines. <i>Materials</i> , 2018 , 11,	3.5	10
61	Insights on the relationship between structure vs. toxicological activity of antibacterial rhodamine-labelled 3-hydroxy-4-pyridinone iron(III) chelators in HepG2 cells. <i>Interdisciplinary Toxicology</i> , 2018 , 11, 189-199	2.3	2
60	Ethanol additively enhances the in vitro cardiotoxicity of cocaine through oxidative damage, energetic deregulation, and apoptosis. <i>Archives of Toxicology</i> , 2018 , 92, 2311-2325	5.8	10

59	In vitro hepatotoxicity of the combination of 1-benzylpiperazine (BZP) and 1-(m-trifluoromethylphenyl)piperazine (TFMPP) triggers oxidative stress, mitochondrial impairment and apoptosis. <i>Archives of Toxicology</i> , 2017 , 91, 1413-1430	5.8	14
58	Protective ability against oxidative stress of brewers spent grain protein hydrolysates. <i>Food Chemistry</i> , 2017 , 228, 602-609	8.5	50
57	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
56	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
55	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
54	Impact of in Vitro Gastrointestinal Digestion and Transepithelial Transport on Antioxidant and ACE-Inhibitory Activities of Brewer Spent Yeast Autolysate. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 7335-7341	5.7	20
53	Hepatotoxicity of piperazine designer drugs: Comparison of different in vitro models. <i>Toxicology in Vitro</i> , 2015 , 29, 987-96	3.6	30
52	Modulation of P-glycoprotein efflux pump: induction and activation as a therapeutic strategy. <i>Pharmacology & Therapeutics</i> , 2015 , 149, 1-123	13.9	221
51	Several transport systems contribute to the intestinal uptake of Paraquat, modulating its cytotoxic effects. <i>Toxicology Letters</i> , 2015 , 232, 271-83	4.4	15
50	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
49	Neurotoxic mixture effects of amphetamines, alcohol, tobacco and caffeine in SHSY-5Y dopaminergic cells - The effect of temperature. <i>Toxicology Letters</i> , 2015 , 238, S354	4.4	
48	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
47	Combination effects of amphetamines under hyperthermia - the role played by oxidative stress. <i>Journal of Applied Toxicology</i> , 2014 , 34, 637-50	4.1	50
46	Mephedrone 2014 , 194-196		
45	Mixtures of 3,4-methylenedioxymethamphetamine (ecstasy) and its major human metabolites act additively to induce significant toxicity to liver cells when combined at low, non-cytotoxic concentrations. <i>Journal of Applied Toxicology</i> , 2014 , 34, 618-27	4.1	14
44	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
43	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
42	Toxicogenomics directory of chemically exposed human hepatocytes. <i>Archives of Toxicology</i> , 2014 , 88, 2261-87	5.8	74

41	Piperazine designer drugs induce toxicity in cardiomyoblast h9c2 cells through mitochondrial impairment. <i>Toxicology Letters</i> , 2014 , 229, 178-89	4.4	37
40	An insight into the hepatocellular death induced by amphetamines, individually and in combination: the involvement of necrosis and apoptosis. <i>Archives of Toxicology</i> , 2013 , 87, 2165-85	5.8	46
39	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
38	Doxorubicin decreases paraquat accumulation and toxicity in Caco-2 cells. <i>Toxicology Letters</i> , 2013 , 217, 34-41	4.4	21
37	Cytotoxic effects of amphetamine mixtures in primary hepatocytes are severely aggravated under hyperthermic conditions. <i>Toxicology in Vitro</i> , 2013 , 27, 1670-8	3.6	17
36	The risky cocktail: what combination effects can we expect between ecstasy and other amphetamines?. <i>Archives of Toxicology</i> , 2013 , 87, 111-22	5.8	15
35	Toxicity of amphetamines: an update. <i>Archives of Toxicology</i> , 2012 , 86, 1167-231	5.8	296
34	Piperazine compounds as drugs of abuse. <i>Drug and Alcohol Dependence</i> , 2012 , 122, 174-85	4.9	120
33	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
32	P-glycoprotein induction by hypericin protects Caco-2 cells against paraquat toxicity. <i>Toxicology Letters</i> , 2011 , 205, S93-S94	4.4	2
31	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
30	Hepcidin messenger RNA expression in human lymphocytes. <i>Immunology</i> , 2010 , 130, 217-30	7.8	49
29	Determination of formic acid in urine of workers occupationally exposed to formaldehyde. <i>Toxicology Letters</i> , 2010 , 196, S74	4.4	3
28	Metabolic interactions between ethanol and MDMA in primary cultured rat hepatocytes. <i>Toxicology</i> , 2010 , 270, 150-7	4.4	11
27	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
26	Gas chromatography-ion trap mass spectrometry method for the simultaneous measurement of MDMA (ecstasy) and its metabolites, MDA, HMA, and HMMA in plasma and urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 878, 815-22	3.2	15
25	Molecular and cellular mechanisms of ecstasy-induced neurotoxicity: an overview. <i>Molecular Neurobiology</i> , 2009 , 39, 210-71	6.2	223
24	Mercury fatal intoxication: two case reports. <i>Forensic Science International</i> , 2009 , 184, e1-6	2.6	29

23	Water extracts of <i>Brassica oleracea</i> var. <i>costata</i> potentiate paraquat toxicity to rat hepatocytes in vitro. <i>Toxicology in Vitro</i> , 2009 , 23, 1131-8	3.6	10
22	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
21	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
20	Ethanol, the forgotten artifact in cell culture. <i>Archives of Toxicology</i> , 2008 , 82, 197-8	5.8	1
19	Synergistic toxicity of ethanol and MDMA towards primary cultured rat hepatocytes. <i>Toxicology</i> , 2008 , 254, 42-50	4.4	24
18	Evaluation of GSH adducts of adrenaline in biological samples. <i>Biomedical Chromatography</i> , 2007 , 21, 670-9	1.7	11
17	CYP2D6 increases toxicity of the designer drug 4-methylthioamphetamine (4-MTA). <i>Toxicology</i> , 2007 , 229, 236-44	4.4	22
16	Paraquat exposure as an etiological factor of Parkinson's disease. <i>NeuroToxicology</i> , 2006 , 27, 1110-22	4.4	240
15	Influence of CYP2D6 polymorphism on 3,4-methylenedioxymethamphetamine (Ecstasy) cytotoxicity. <i>Pharmacogenetics and Genomics</i> , 2006 , 16, 789-99	1.9	36
14	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
13	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
12	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
11	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
10	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, 143-52	3.2	15
9	4-Methylthioamphetamine-induced hyperthermia in mice: influence of serotonergic and catecholaminergic pathways. <i>Toxicology and Applied Pharmacology</i> , 2003 , 190, 262-71	4.6	17
8	Identification of 4-methylthioamphetamine and some of its metabolites in mouse urine by GC-MS after acute administration. <i>Journal of Analytical Toxicology</i> , 2002 , 26, 228-32	2.9	6
7	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
6	Copper enhances isoproterenol toxicity in isolated rat cardiomyocytes: effects on oxidative stress. <i>Cardiovascular Toxicology</i> , 2001 , 1, 195-204	3.4	35

5	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
4	Cardiotoxicity studies using freshly isolated calcium-tolerant cardiomyocytes from adult rat. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2001 , 37, 1-4	2.6	10
3	The study of oxidative stress in freshly isolated Ca(2+)-tolerant cardiomyocytes from the adult rat. <i>Toxicology in Vitro</i> , 2001 , 15, 283-7	3.6	7
2	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
1	Inhibition of Glutathione Reductase by Isoproterenol Oxidation Products. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1999 , 15, 47-61		37