

Marcia Carvalho

List of Publications by Year in descending order

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101
papers

4,474
citations

87888

38
h-index

110387

64
g-index

114
all docs

114
docs citations

114
times ranked

5920
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxicity of amphetamines: an update. Archives of Toxicology, 2012, 86, 1167-1231.	4.2	364
2	Khat and synthetic cathinones: a review. Archives of Toxicology, 2014, 88, 15-45.	4.2	273
3	Human cancer cell antiproliferative and antioxidant activities of Juglans regia L.. Food and Chemical Toxicology, 2010, 48, 441-447.	3.6	243
4	Metabolomics Analysis for Biomarker Discovery: Advances and Challenges. Current Medicinal Chemistry, 2013, 20, 257-271.	2.4	226
5	The hallucinogenic world of tryptamines: an updated review. Archives of Toxicology, 2015, 89, 1151-1173.	4.2	196
6	Evaluation of free radical-scavenging and antihemolytic activities of quince (Cydonia oblonga) leaf: A comparative study with green tea (Camellia sinensis). Food and Chemical Toxicology, 2009, 47, 860-865.	3.6	137
7	Protective effect of quince (Cydonia oblonga Miller) fruit against oxidative hemolysis of human erythrocytes. Food and Chemical Toxicology, 2009, 47, 1372-1377.	3.6	113
8	Biomarker Discovery in Human Prostate Cancer: an Update in Metabolomics Studies. Translational Oncology, 2016, 9, 357-370.	3.7	111
9	Biological activities of Portuguese propolis: Protection against free radical-induced erythrocyte damage and inhibition of human renal cancer cell growth in vitro. Food and Chemical Toxicology, 2011, 49, 86-92.	3.6	106
10	Comparative antihemolytic and radical scavenging activities of strawberry tree (Arbutus unedo L.) leaf and fruit. Food and Chemical Toxicology, 2011, 49, 2285-2291.	3.6	106
11	Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases. Current Medicinal Chemistry, 2011, 18, 2272-2314.	2.4	93
12	First Report on Cydonia oblonga Miller Anticancer Potential: Differential Antiproliferative Effect against Human Kidney and Colon Cancer Cells. Journal of Agricultural and Food Chemistry, 2010, 58, 3366-3370.	5.2	89
13	Hepatotoxicity of 3,4-methylenedioxyamphetamine and ?-methyldopamine in isolated rat hepatocytes: formation of glutathione conjugates. Archives of Toxicology, 2004, 78, 16-24.	4.2	82
14	The toxicity of N-methyl- \pm -methyldopamine to freshly isolated rat hepatocytes is prevented by ascorbic acid and N-acetylcysteine. Toxicology, 2004, 200, 193-203.	4.2	77
15	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.	6.4	74
16	Raising awareness of new psychoactive substances: chemical analysis and in vitro toxicity screening of "legal high" packages containing synthetic cathinones. Archives of Toxicology, 2015, 89, 757-771.	4.2	73
17	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.	4.2	72
18	Metabolism Is Required for the Expression of Ecstasy-Induced Cardiotoxicity in Vitro. Chemical Research in Toxicology, 2004, 17, 623-632.	3.3	71

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19	Oxidation Process of Adrenaline in Freshly Isolated Rat Cardiomyocytes: Formation of Adrenochrome, Quinoproteins, and GSH Adduct. <i>Chemical Research in Toxicology</i> , 2007, 20, 1183-1191.	3.3	68
20	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.	3.6	64
21	Effect of 3,4-methylenedioxyamphetamine ("ecstasy") on body temperature and liver antioxidant status in mice: influence of ambient temperature. <i>Archives of Toxicology</i> , 2002, 76, 166-172.	4.2	63
22	Biomarkers in bladder cancer: A metabolomic approach using <i>in vitro</i> and <i>ex vivo</i> model systems. <i>International Journal of Cancer</i> , 2016, 139, 256-268.	5.1	62
23	3,4-Methylenedioxypropylamphetamine (MDPV): <i>in vitro</i> mechanisms of hepatotoxicity under normothermic and hyperthermic conditions. <i>Archives of Toxicology</i> , 2016, 90, 1959-1973.	4.2	62
24	Contribution of Oxidative Metabolism to Cocaine-Induced Liver and Kidney Damage. <i>Current Medicinal Chemistry</i> , 2012, 19, 5601-5606.	2.4	60
25	Neurotoxicity of β -Keto Amphetamines: Deathly Mechanisms Elicited by Methylone and MDPV in Human Dopaminergic SH-SY5Y Cells. <i>ACS Chemical Neuroscience</i> , 2017, 8, 850-859.	3.5	58
26	Is hyperthermia the triggering factor for hepatotoxicity induced by 3,4-methylenedioxyamphetamine (ecstasy)? An <i>in vitro</i> study using freshly isolated mouse hepatocytes. <i>Archives of Toxicology</i> , 2001, 74, 789-793.	4.2	54
27	Simultaneous determination of amphetamine derivatives in human urine after SPE extraction and HPLC-UV analysis. <i>Biomedical Chromatography</i> , 2004, 18, 125-131.	1.7	54
28	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.	2.8	54
29	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.	2.5	53
30	Editor's Highlight: Characterization of Hepatotoxicity Mechanisms Triggered by Designer Cathinone Drugs (β -Keto Amphetamines). <i>Toxicological Sciences</i> , 2016, 153, 89-102.	3.1	50
31	Methylone and MDPV activate autophagy in human dopaminergic SH-SY5Y cells: a new insight into the context of β -keto amphetamines-related neurotoxicity. <i>Archives of Toxicology</i> , 2017, 91, 3663-3676.	4.2	50
32	Discrimination between the human prostate normal and cancer cell exometabolome by GC-MS. <i>Scientific Reports</i> , 2018, 8, 5539.	3.3	50
33	Cu ²⁺ -Induced Isoproterenol Oxidation into Isoprenochrome in Adult Rat Calcium-Tolerant Cardiomyocytes. <i>Chemical Research in Toxicology</i> , 2002, 15, 861-869.	3.3	49
34	Chiral enantioresolution of cathinone derivatives present in "legal highs", and enantioselectivity evaluation on cytotoxicity of 3,4-methylenedioxypropylamphetamine (MDPV). <i>Forensic Toxicology</i> , 2016, 34, 372-385.	2.4	48
35	Mechanisms Underlying the Hepatotoxic Effects of Ecstasy. <i>Current Pharmaceutical Biotechnology</i> , 2010, 11, 476-495.	1.6	48
36	Protective Activity of Hesperidin and Lipoic Acid Against Sodium Arsenite Acute Toxicity in Mice. <i>Toxicologic Pathology</i> , 2004, 32, 527-535.	1.8	44

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37	Cocaine-induced kidney toxicity: an in vitro study using primary cultured human proximal tubular epithelial cells. <i>Archives of Toxicology</i> , 2012, 86, 249-261.	4.2	43
38	Green tea: A promising anticancer agent for renal cell carcinoma. <i>Food Chemistry</i> , 2010, 122, 49-54.	8.2	42
39	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, 486-493.	5.5	38
40	Nuclear Magnetic Resonance metabolomics reveals an excretory metabolic signature of renal cell carcinoma. <i>Scientific Reports</i> , 2016, 6, 37275.	3.3	36
41	Advances and Perspectives in Prostate Cancer Biomarker Discovery in the Last 5 Years through Tissue and Urine Metabolomics. <i>Metabolites</i> , 2021, 11, 181.	2.9	36
42	Adrenaline in pro-oxidant conditions elicits intracellular survival pathways in isolated rat cardiomyocytes. <i>Toxicology</i> , 2009, 257, 70-79.	4.2	35
43	Volatile metabolomic signature of bladder cancer cell lines based on gas chromatography-mass spectrometry. <i>Metabolomics</i> , 2018, 14, 62.	3.0	32
44	Hepatoprotective activity of polyhydroxylated 2-styrylchromones against tert-butylhydroperoxide induced toxicity in freshly isolated rat hepatocytes. <i>Archives of Toxicology</i> , 2003, 77, 500-505.	4.2	31
45	Adrenaline and reactive oxygen species elicit proteome and energetic metabolism modifications in freshly isolated rat cardiomyocytes. <i>Toxicology</i> , 2009, 260, 84-96.	4.2	30
46	Environmental and biological monitoring of benzene, toluene, ethylbenzene and xylene (BTEX) exposure in residents living near gas stations. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2019, 82, 550-563.	2.3	30
47	Recent Patents on <i>Camellia sinensis</i> : Source of Health Promoting Compounds. <i>Recent Patents on Food, Nutrition & Agriculture</i> , 2009, 1, 182-192.	0.9	30
48	Renal cell carcinoma: a critical analysis of metabolomic biomarkers emerging from current model systems. <i>Translational Research</i> , 2017, 180, 1-11.	5.0	29
49	<i>Dracaena draco</i> L. fruit: Phytochemical and antioxidant activity assessment. <i>Food Research International</i> , 2011, 44, 2182-2189.	6.2	28
50	Update on 1-benzylpiperazine (BZP) party pills. <i>Archives of Toxicology</i> , 2013, 87, 929-947.	4.2	28
51	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.	4.2	26
52	Stroke and multiple peripheral thrombotic events in an adult with varicella. <i>European Journal of Neurology</i> , 2008, 15, e90-1.	3.3	25
53	Targeted metabolites and biological activities of <i>Cydonia oblonga</i> Miller leaves. <i>Food Research International</i> , 2012, 46, 496-504.	6.2	25
54	Metabolomic approaches in the discovery of potential urinary biomarkers of drug-induced liver injury (DILI). <i>Critical Reviews in Toxicology</i> , 2017, 47, 638-654.	3.9	25

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55	Biomarkers in renal cell carcinoma: a metabolomics approach. <i>Metabolomics</i> , 2014, 10, 1210-1222.	3.0	24
56	New findings on urinary prostate cancer metabolome through combined GC-MS and 1H NMR analytical platforms. <i>Metabolomics</i> , 2020, 16, 70.	3.0	24
57	Urinary Volatilomics Unveils a Candidate Biomarker Panel for Noninvasive Detection of Clear Cell Renal Cell Carcinoma. <i>Journal of Proteome Research</i> , 2021, 20, 3068-3077.	3.7	23
58	Hypericum androsaemum infusion increases tert-butyl hydroperoxide-induced mice hepatotoxicity in vivo. <i>Journal of Ethnopharmacology</i> , 2004, 94, 345-351.	4.1	22
59	GC-MS-Based Endometabolome Analysis Differentiates Prostate Cancer from Normal Prostate Cells. <i>Metabolites</i> , 2018, 8, 23.	2.9	22
60	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, 3083-3088.	2.3	21
61	NMR-based metabolomics studies of human prostate cancer tissue. <i>Metabolomics</i> , 2018, 14, 88.	3.0	21
62	Toxicometabolomics: Small Molecules to Answer Big Toxicological Questions. <i>Metabolites</i> , 2021, 11, 692.	2.9	21
63	Adipokine Gene Single-Nucleotide Polymorphisms in Portuguese Obese Adolescents: Associations with Plasma Concentrations of Adiponectin, Resistin, IL-6, IL-1 β , and TNF- α . <i>Childhood Obesity</i> , 2016, 12, 300-313.	1.5	18
64	Analysis of extracellular metabolome by HS-SPME/GC-MS: Optimization and application in a pilot study to evaluate galactosamine-induced hepatotoxicity. <i>Toxicology Letters</i> , 2018, 295, 22-31.	0.8	18
65	A Panel of Urinary Volatile Biomarkers for Differential Diagnosis of Prostate Cancer from Other Urological Cancers. <i>Cancers</i> , 2020, 12, 2017.	3.7	18
66	Protective activity of Hypericum androsaemum infusion against tert-butyl hydroperoxide-induced oxidative damage in isolated rat hepatocytes. <i>Journal of Ethnopharmacology</i> , 2004, 92, 79-84.	4.1	16
67	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. <i>Chemical Research in Toxicology</i> , 2009, 22, 129-135.	3.3	16
68	GC-MS Metabolomics Reveals Distinct Profiles of Low- and High-Grade Bladder Cancer Cultured Cells. <i>Metabolites</i> , 2019, 9, 18.	2.9	15
69	Evaluation of GSH adducts of adrenaline in biological samples. <i>Biomedical Chromatography</i> , 2007, 21, 670-679.	1.7	12
70	Phytochemical profiles and inhibitory effect on free radical-induced human erythrocyte damage of <i>Dracaena draco</i> leaf: A potential novel antioxidant agent. <i>Food Chemistry</i> , 2011, 124, 927-934.	8.2	12
71	Exposure to BTEX in buses: The influence of vehicle fuel type. <i>Environmental Pollution</i> , 2019, 255, 113100.	7.5	12
72	In vivo toxicometabolomics reveals multi-organ and urine metabolic changes in mice upon acute exposure to human-relevant doses of 3,4-methylenedioxypyrovalerone (MDPV). <i>Archives of Toxicology</i> , 2021, 95, 509-527.	4.2	11

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73	Comprehensive Metabolomics and Lipidomics Profiling of Prostate Cancer Tissue Reveals Metabolic Dysregulations Associated with Disease Development. <i>Journal of Proteome Research</i> , 2021, , .	3.7	11
74	Volatilomics Reveals Potential Biomarkers for Identification of Renal Cell Carcinoma: An In Vitro Approach. <i>Metabolites</i> , 2020, 10, 174.	2.9	9
75	Further insights into chemical characterization through GC-MS and evaluation for anticancer potential of <i>Dracaena draco</i> leaf and fruit extracts. <i>Food and Chemical Toxicology</i> , 2012, 50, 3847-3852.	3.6	8
76	Effect of temperature on 3,4-Methylenedioxypropylamphetamine (MDPV)-induced metabolome disruption in primary mouse hepatic cells. <i>Toxicology</i> , 2020, 441, 152503.	4.2	8
77	Metabolic signature of methylone in primary mouse hepatocytes, at subtoxic concentrations. <i>Archives of Toxicology</i> , 2019, 93, 3277-3290.	4.2	7
78	Pharmacometabolomics Applied to Personalized Medicine in Urological Cancers. <i>Pharmaceuticals</i> , 2022, 15, 295.	3.8	7
79	The interplay between autophagy and apoptosis mediates toxicity triggered by synthetic cathinones in human kidney cells. <i>Toxicology Letters</i> , 2020, 331, 42-52.	0.8	6
80	Implementation of HPLC Methodology for the Quantification of Malondialdehyde in Cell Suspensions and Liver. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004, 27, 2357-2369.	1.0	5
81	Hepatic Metabolic Derangements Triggered by Hyperthermia: An In Vitro Metabolomic Study. <i>Metabolites</i> , 2019, 9, 228.	2.9	5
82	3,4-Methylenedioxymethamphetamine Hepatotoxicity under the Heat Stress Condition: Novel Insights from in Vitro Metabolomic Studies. <i>Journal of Proteome Research</i> , 2020, 19, 1222-1234.	3.7	5
83	Repeated Administration of d-Amphetamine Results in a Time-dependent and Dose-independent Sustained Increase in Urinary Excretion of p-Hydroxyamphetamine in Mice. <i>Journal of Health Science</i> , 2007, 53, 371-377.	0.9	3
84	Recent Patents on <i>Camellia sinensis</i> : Source of Health Promoting Compounds. <i>Recent Patents on Food, Nutrition & Agriculture</i> , 2010, 1, 182-192.	0.9	3
85	Ethanol, the forgotten artifact in cell culture. <i>Archives of Toxicology</i> , 2008, 82, 197-198.	4.2	1
86	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. <i>Toxicology Letters</i> , 2013, 221, S185-S186.	0.8	1
87	SP342HEPCIDIN-25 AND TREATMENT WITH ERYTHROPOIESIS STIMULATING AGENTS ARE INDEPENDENTLY RELATED WITH ERYTHROPOIESIS IN CHRONIC HEMODIALYSIS PATIENTS. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, i460-i460.	0.7	1
88	Effect of adrenaline and oxygen free radicals on calcium tolerant cardiomyocytes: Formation of glutathione adducts. <i>Toxicology Letters</i> , 2006, 164, S130-S131.	0.8	0
89	Validation of a HPLC-ECD method for the detection of adrenaline-GSH adducts in biological samples. <i>Toxicology Letters</i> , 2006, 164, S132.	0.8	0
90	Time dependent activation of transcription factors in freshly isolated cardiomyocytes: Adrenaline and reactive oxygen species incubation. <i>Toxicology Letters</i> , 2007, 172, S5-S6.	0.8	0

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91	Smart™ but not safe: The potential hepatotoxicity of synthetic cathinones. Toxicology Letters, 2014, 229, S64.	0.8	0
92	An insight into the mechanisms underlying the hepatotoxicity of cathinone derivatives. Toxicology Letters, 2014, 229, S58.	0.8	0
93	Is hyperthermia the triggering factor for hepatotoxicity induced by bath salts™? An in vitro study using primary cultured rat hepatocytes. Toxicology Letters, 2015, 238, S260.	0.8	0
94	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.	0.8	0
95	Exploratory urinary metabolomic profiling of renal cell carcinoma using 1 H NMR spectroscopy and multivariate analysis. Toxicology Letters, 2015, 238, S233-S234.	0.8	0
96	Renal cell carcinoma detection by analysis of Volatile Organic Compounds in urine. Toxicology Letters, 2016, 258, S282.	0.8	0
97	2k-amphetamines: Neurotoxicity triggered by methylone and MDPV in undifferentiated and differentiated SH-SY5Y cells and comparison to MDMA. Toxicology Letters, 2016, 258, S289.	0.8	0
98	Toxicity of synthetic cathinones in human kidney (HK-2) cells. Toxicology Letters, 2018, 295, S240.	0.8	0
99	Metabolomic analysis of the toxicity pathways elicited by subtoxic concentrations of methylone in primary mouse hepatocytes. Toxicology Letters, 2018, 295, S267.	0.8	0
100	Evaluation of prostate cancer volatilome: An in vitro approach. Toxicology Letters, 2018, 295, S268.	0.8	0
101	Bilateral steno-occlusive disease of the middle cerebral artery: a case report with clinical-hemodynamic mismatch. International Journal of Clinical Neurosciences and Mental Health, 2014, , S26.	0.7	0