

# Marcia Carvalho

## List of Publications by Citations

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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.

87  
papers

3,473  
citations

35  
h-index

57  
g-index

114  
ext. papers

3,961  
ext. citations

4.8  
avg, IF

5.2  
L-index

#	Paper	IF	Citations
87	Toxicity of amphetamines: an update. <i>Archives of Toxicology</i> , <b>2012</b> , 86, 1167-231	5.8	296
86	Khat and synthetic cathinones: a review. <i>Archives of Toxicology</i> , <b>2014</b> , 88, 15-45	5.8	223
85	Human cancer cell antiproliferative and antioxidant activities of <i>Juglans regia</i> L. <i>Food and Chemical Toxicology</i> , <b>2010</b> , 48, 441-7	4.7	202
84	Metabolomics analysis for biomarker discovery: advances and challenges. <i>Current Medicinal Chemistry</i> , <b>2013</b> , 20, 257-71	4.3	165
83	The hallucinogenic world of tryptamines: an updated review. <i>Archives of Toxicology</i> , <b>2015</b> , 89, 1151-73	5.8	147
82	Evaluation of free radical-scavenging and antihemolytic activities of quince ( <i>Cydonia oblonga</i> ) leaf: a comparative study with green tea ( <i>Camellia sinensis</i> ). <i>Food and Chemical Toxicology</i> , <b>2009</b> , 47, 860-5	4.7	111
81	Biomarker Discovery in Human Prostate Cancer: an Update in Metabolomics Studies. <i>Translational Oncology</i> , <b>2016</b> , 9, 357-70	4.9	89
80	Protective effect of quince ( <i>Cydonia oblonga</i> Miller) fruit against oxidative hemolysis of human erythrocytes. <i>Food and Chemical Toxicology</i> , <b>2009</b> , 47, 1372-7	4.7	85
79	Comparative antihemolytic and radical scavenging activities of strawberry tree ( <i>Arbutus unedo</i> L.) leaf and fruit. <i>Food and Chemical Toxicology</i> , <b>2011</b> , 49, 2285-91	4.7	80
78	Biological activities of Portuguese propolis: protection against free radical-induced erythrocyte damage and inhibition of human renal cancer cell growth in vitro. <i>Food and Chemical Toxicology</i> , <b>2011</b> , 49, 86-92	4.7	79
77	Contribution of catecholamine reactive intermediates and oxidative stress to the pathologic features of heart diseases. <i>Current Medicinal Chemistry</i> , <b>2011</b> , 18, 2272-314	4.3	77
76	The toxicity of N-methyl-alpha-methyldopamine to freshly isolated rat hepatocytes is prevented by ascorbic acid and N-acetylcysteine. <i>Toxicology</i> , <b>2004</b> , 200, 193-203	4.4	72
75	Hepatotoxicity of 3,4-methylenedioxyamphetamine and alpha-methyldopamine in isolated rat hepatocytes: formation of glutathione conjugates. <i>Archives of Toxicology</i> , <b>2004</b> , 78, 16-24	5.8	70
74	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> , <b>2002</b> , 76, 581-8	5.8	66
73	Metabolism is required for the expression of ecstasy-induced cardiotoxicity in vitro. <i>Chemical Research in Toxicology</i> , <b>2004</b> , 17, 623-32	4	66
72	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> , <b>2010</b> , 58, 3366-70	5.7	62
71	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> , <b>2015</b> , 89, 757-71	5.8	60

70	Effect of 3,4-methylenedioxyamphetamine ("ecstasy") on body temperature and liver antioxidant status in mice: influence of ambient temperature. <i>Archives of Toxicology</i> , <b>2002</b> , 76, 166-72	5.8	57
69	3,4-Methylenedioxypropylamphetamine (MDPV): in vitro mechanisms of hepatotoxicity under normothermic and hyperthermic conditions. <i>Archives of Toxicology</i> , <b>2016</b> , 90, 1959-73	5.8	52
68	Oxidation process of adrenaline in freshly isolated rat cardiomyocytes: formation of adrenochrome, quinoproteins, and GSH adduct. <i>Chemical Research in Toxicology</i> , <b>2007</b> , 20, 1183-91	4	52
67	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> , <b>2017</b> , 21, 2092-2105	5.6	51
66	Simultaneous determination of amphetamine derivatives in human urine after SPE extraction and HPLC-UV analysis. <i>Biomedical Chromatography</i> , <b>2004</b> , 18, 125-31	1.7	49
65	Biomarkers in bladder cancer: A metabolomic approach using in vitro and ex vivo model systems. <i>International Journal of Cancer</i> , <b>2016</b> , 139, 256-68	7.5	49
64	Is hyperthermia the triggering factor for hepatotoxicity induced by 3,4-methylenedioxyamphetamine (ecstasy)? An in vitro study using freshly isolated mouse hepatocytes. <i>Archives of Toxicology</i> , <b>2001</b> , 74, 789-93	5.8	47
63	Contribution of oxidative metabolism to cocaine-induced liver and kidney damage. <i>Current Medicinal Chemistry</i> , <b>2012</b> , 19, 5601-6	4.3	46
62	Mechanisms underlying the hepatotoxic effects of ecstasy. <i>Current Pharmaceutical Biotechnology</i> , <b>2010</b> , 11, 476-95	2.6	45
61	Protective activity of hesperidin and lipoic acid against sodium arsenite acute toxicity in mice. <i>Toxicologic Pathology</i> , <b>2004</b> , 32, 527-35	2.1	43
60	Cu <sup>2+</sup> -induced isoproterenol oxidation into isoprenochrome in adult rat calcium-tolerant cardiomyocytes. <i>Chemical Research in Toxicology</i> , <b>2002</b> , 15, 861-9	4	43
59	Editor's Highlight: Characterization of Hepatotoxicity Mechanisms Triggered by Designer Cathinone Drugs (Keto Amphetamines). <i>Toxicological Sciences</i> , <b>2016</b> , 153, 89-102	4.4	42
58	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> , <b>2014</b> , 50, 1993-2002	7.5	42
57	Neurotoxicity of Keto Amphetamines: Deathly Mechanisms Elicited by Methylone and MDPV in Human Dopaminergic SH-SY5Y Cells. <i>ACS Chemical Neuroscience</i> , <b>2017</b> , 8, 850-859	5.7	41
56	A rapid and simple procedure for the establishment of human normal and cancer renal primary cell cultures from surgical specimens. <i>PLoS ONE</i> , <b>2011</b> , 6, e19337	3.7	41
55	Green tea: A promising anticancer agent for renal cell carcinoma. <i>Food Chemistry</i> , <b>2010</b> , 122, 49-54	8.5	38
54	Methylone 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> , <b>2017</b> , 91, 3663-3676	5.8	37
53	Identification of a biomarker panel for improvement of prostate cancer diagnosis by volatile metabolic profiling of urine. <i>British Journal of Cancer</i> , <b>2019</b> , 121, 857-868	8.7	37

52	Chiral enantioresolution of cathinone derivatives present in "legal highs", and enantioselectivity evaluation on cytotoxicity of 3,4-methylenedioxypropylvalerone (MDPV). <i>Forensic Toxicology</i> , <b>2016</b> , 34, 372-385	2.6	33
51	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> , <b>2016</b> , 148, 486-93	6.2	31
50	Adrenaline in pro-oxidant conditions elicits intracellular survival pathways in isolated rat cardiomyocytes. <i>Toxicology</i> , <b>2009</b> , 257, 70-9	4.4	30
49	Discrimination between the human prostate normal and cancer cell exometabolome by GC-MS. <i>Scientific Reports</i> , <b>2018</b> , 8, 5539	4.9	29
48	Nuclear Magnetic Resonance metabolomics reveals an excretory metabolic signature of renal cell carcinoma. <i>Scientific Reports</i> , <b>2016</b> , 6, 37275	4.9	28
47	Hepatoprotective activity of polyhydroxylated 2-styrylchromones against tert-butylhydroperoxide induced toxicity in freshly isolated rat hepatocytes. <i>Archives of Toxicology</i> , <b>2003</b> , 77, 500-5	5.8	28
46	Update on 1-benzylpiperazine (BZP) party pills. <i>Archives of Toxicology</i> , <b>2013</b> , 87, 929-47	5.8	27
45	Adrenaline and reactive oxygen species elicit proteome and energetic metabolism modifications in freshly isolated rat cardiomyocytes. <i>Toxicology</i> , <b>2009</b> , 260, 84-96	4.4	27
44	Cocaine-induced kidney toxicity: an in vitro study using primary cultured human proximal tubular epithelial cells. <i>Archives of Toxicology</i> , <b>2012</b> , 86, 249-61	5.8	26
43	Dracaena draco L. fruit: Phytochemical and antioxidant activity assessment. <i>Food Research International</i> , <b>2011</b> , 44, 2182-2189	7	26
42	Recent patents on Camellia sinensis: source of health promoting compounds. <i>Recent Patents on Food, Nutrition &amp; Agriculture</i> , <b>2009</b> , 1, 182-92	1.9	25
41	Volatile metabolomic signature of bladder cancer cell lines based on gas chromatography-mass spectrometry. <i>Metabolomics</i> , <b>2018</b> , 14, 62	4.7	24
40	Renal cell carcinoma: a critical analysis of metabolomic biomarkers emerging from current model systems. <i>Translational Research</i> , <b>2017</b> , 180, 1-11	11	24
39	Biomarkers in renal cell carcinoma: a metabolomics approach. <i>Metabolomics</i> , <b>2014</b> , 10, 1210-1222	4.7	21
38	Stroke and multiple peripheral thrombotic events in an adult with varicella. <i>European Journal of Neurology</i> , <b>2008</b> , 15, e90-1	6	21
37	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> , <b>2018</b> , 92, 3307-3323	5.8	21
36	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> , <b>2010</b> , 878, 3083-8	3.2	18
35	Hypericum androsaemum infusion increases tert-butyl hydroperoxide-induced mice hepatotoxicity in vivo. <i>Journal of Ethnopharmacology</i> , <b>2004</b> , 94, 345-51	5	18

34	Metabolomic approaches in the discovery of potential urinary biomarkers of drug-induced liver injury (DILI). <i>Critical Reviews in Toxicology</i> , <b>2017</b> , 47, 633-649	5.7	16
33	Protective activity of Hypericum androsaemum infusion against tert-butyl hydroperoxide-induced oxidative damage in isolated rat hepatocytes. <i>Journal of Ethnopharmacology</i> , <b>2004</b> , 92, 79-84	5	16
32	GC-MS-Based Endometabolome Analysis Differentiates Prostate Cancer from Normal Prostate Cells. <i>Metabolites</i> , <b>2018</b> , 8,	5.6	15
31	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> , <b>2019</b> , 82, 550-563	3.2	15
30	Targeted metabolites and biological activities of Cydonia oblonga Miller leaves. <i>Food Research International</i> , <b>2012</b> , 46, 496-504	7	15
29	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> , <b>2009</b> , 22, 129-135	4	14
28	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> , <b>2018</b> , 295, 22-31	4.4	14
27	New findings on urinary prostate cancer metabolome through combined GC-MS and H NMR analytical platforms. <i>Metabolomics</i> , <b>2020</b> , 16, 70	4.7	13
26	Advances and Perspectives in Prostate Cancer Biomarker Discovery in the Last 5 Years through Tissue and Urine Metabolomics. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	12
25	NMR-based metabolomics studies of human prostate cancer tissue. <i>Metabolomics</i> , <b>2018</b> , 14, 88	4.7	11
24	Evaluation of GSH adducts of adrenaline in biological samples. <i>Biomedical Chromatography</i> , <b>2007</b> , 21, 670-9	1.7	11
23	Adipokine Gene Single-Nucleotide Polymorphisms in Portuguese Obese Adolescents: Associations with Plasma Concentrations of Adiponectin, Resistin, IL-6, IL-1 $\beta$ and TNF- $\alpha$ <i>Childhood Obesity</i> , <b>2016</b> , 12, 300-13	2.5	11
22	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> , <b>2011</b> , 124, 927-934	8.5	10
21	A Panel of Urinary Volatile Biomarkers for Differential Diagnosis of Prostate Cancer from Other Urological Cancers. <i>Cancers</i> , <b>2020</b> , 12,	6.6	9
20	GC-MS Metabolomics Reveals Distinct Profiles of Low- and High-Grade Bladder Cancer Cultured Cells. <i>Metabolites</i> , <b>2019</b> , 9,	5.6	8
19	Metabolic signature of methylone in primary mouse hepatocytes, at subtoxic concentrations. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 3277-3290	5.8	7
18	Exposure to BTEX in buses: The influence of vehicle fuel type. <i>Environmental Pollution</i> , <b>2019</b> , 255, 113100.3		6
17	Effect of temperature on 3,4-Methylenedioxypyrovalerone (MDPV)-induced metabolome disruption in primary mouse hepatic cells. <i>Toxicology</i> , <b>2020</b> , 441, 152503	4.4	6

16	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> , <b>2012</b> , 50, 3847-52	4.7	6
15	3,4-Methylenedioxyamphetamine Hepatotoxicity under the Heat Stress Condition: Novel Insights from in Vitro Metabolomic Studies. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 1222-1234	5.6	5
14	Implementation of HPLC Methodology for the Quantification of Malondialdehyde in Cell Suspensions and Liver. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2004</b> , 27, 2357-2369	1.3	5
13	Urinary Volatilomics Unveils a Candidate Biomarker Panel for Noninvasive Detection of Clear Cell Renal Cell Carcinoma. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 3068-3077	5.6	5
12	Hepatic Metabolic Derangements Triggered by Hyperthermia: An In Vitro Metabolomic Study. <i>Metabolites</i> , <b>2019</b> , 9,	5.6	3
11	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> , <b>2007</b> , 53, 371-377		3
10	Recent Patents on <i>Camellia sinensis</i> : Source of Health Promoting Compounds. <i>Recent Patents on Food, Nutrition &amp; Agriculture</i> , <b>2010</b> , 1, 182-192	1.9	3
9	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> , <b>2021</b> , 95, 509-527	5.8	3
8	The interplay between autophagy and apoptosis mediates toxicity triggered by synthetic cathinones in human kidney cells. <i>Toxicology Letters</i> , <b>2020</b> , 331, 42-52	4.4	2
7	Comprehensive Metabolomics and Lipidomics Profiling of Prostate Cancer Tissue Reveals Metabolic Dysregulations Associated with Disease Development. <i>Journal of Proteome Research</i> , <b>2021</b> ,	5.6	2
6	Toxicometabolomics: Small Molecules to Answer Big Toxicological Questions. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	2
5	Volatilomics Reveals Potential Biomarkers for Identification of Renal Cell Carcinoma: An In Vitro Approach. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	1
4	Potentiality of volatile organic compounds to discriminate patients with cancer by using chemometric tools <b>2015</b> , 166-184		1
3	Ethanol, the forgotten artifact in cell culture. <i>Archives of Toxicology</i> , <b>2008</b> , 82, 197-8	5.8	1
2	SP342HEPCIDIN-25 AND TREATMENT WITH ERYTHROPOIESIS STIMULATING AGENTS ARE INDEPENDENTLY RELATED WITH ERYTHROPOIESIS IN CHRONIC HEMODIALYSIS PATIENTS. <i>Nephrology Dialysis Transplantation</i> , <b>2018</b> , 33, i460-i460	4.3	1
1	Is hyperthermia the triggering factor for hepatotoxicity induced by Bath salts? An in vitro study using primary cultured rat hepatocytes. <i>Toxicology Letters</i> , <b>2015</b> , 238, S260	4.4	