

Marcia Carvalho

List of Publications by Year in descending order

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101
papers

4,474
citations

87843

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110317

64
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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. | 1.9 | 364 |
| 2 | Khat and synthetic cathinones: a review. Archives of Toxicology, 2014, 88, 15-45. | 1.9 | 273 |
| 3 | Human cancer cell antiproliferative and antioxidant activities of Juglans regia L.. Food and Chemical Toxicology, 2010, 48, 441-447. | 1.8 | 243 |
| 4 | Metabolomics Analysis for Biomarker Discovery: Advances and Challenges. Current Medicinal Chemistry, 2013, 20, 257-271. | 1.2 | 226 |
| 5 | The hallucinogenic world of tryptamines: an updated review. Archives of Toxicology, 2015, 89, 1151-1173. | 1.9 | 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. | 1.8 | 137 |
| 7 | Protective effect of quince (Cydonia oblonga Miller) fruit against oxidative hemolysis of human erythrocytes. Food and Chemical Toxicology, 2009, 47, 1372-1377. | 1.8 | 113 |
| 8 | Biomarker Discovery in Human Prostate Cancer: an Update in Metabolomics Studies. Translational Oncology, 2016, 9, 357-370. | 1.7 | 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. | 1.8 | 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. | 1.8 | 106 |
| 11 | 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 |
| 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. | 2.4 | 89 |
| 13 | 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 |
| 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. | 2.0 | 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. | 2.9 | 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. | 1.9 | 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. | 1.9 | 72 |
| 18 | Metabolism Is Required for the Expression of Ecstasy-Induced Cardiotoxicity in Vitro. Chemical Research in Toxicology, 2004, 17, 623-632. | 1.7 | 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. | 1.7 | 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. | 1.6 | 64 |
| 21 | Effect of 3,4-methylenedioxymethamphetamine ("ecstasy") on body temperature and liver antioxidant status in mice: influence of ambient temperature. <i>Archives of Toxicology</i> , 2002, 76, 166-172. | 1.9 | 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. | 2.3 | 62 |
| 23 | 3,4-Methylenedioxypropylamphetamine (MDPV): in vitro mechanisms of hepatotoxicity under normothermic and hyperthermic conditions. <i>Archives of Toxicology</i> , 2016, 90, 1959-1973. | 1.9 | 62 |
| 24 | Contribution of Oxidative Metabolism to Cocaine-Induced Liver and Kidney Damage. <i>Current Medicinal Chemistry</i> , 2012, 19, 5601-5606. | 1.2 | 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. | 1.7 | 58 |
| 26 | Is hyperthermia the triggering factor for hepatotoxicity induced by 3,4-methylenedioxypropylamphetamine (ecstasy)? An <i>in vitro</i> study using freshly isolated mouse hepatocytes. <i>Archives of Toxicology</i> , 2001, 74, 789-793. | 1.9 | 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. | 0.8 | 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. | 1.3 | 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. | 1.1 | 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. | 1.4 | 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. | 1.9 | 50 |
| 32 | Discrimination between the human prostate normal and cancer cell exometabolome by GC-MS. <i>Scientific Reports</i> , 2018, 8, 5539. | 1.6 | 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. | 1.7 | 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. | 1.4 | 48 |
| 35 | Mechanisms Underlying the Hepatotoxic Effects of Ecstasy. <i>Current Pharmaceutical Biotechnology</i> , 2010, 11, 476-495. | 0.9 | 48 |
| 36 | Protective Activity of Hesperidin and Lipoic Acid Against Sodium Arsenite Acute Toxicity in Mice. <i>Toxicologic Pathology</i> , 2004, 32, 527-535. | 0.9 | 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. | 1.9 | 43 |
| 38 | Green tea: A promising anticancer agent for renal cell carcinoma. <i>Food Chemistry</i> , 2010, 122, 49-54. | 4.2 | 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. | 2.9 | 38 |
| 40 | Nuclear Magnetic Resonance metabolomics reveals an excretory metabolic signature of renal cell carcinoma. <i>Scientific Reports</i> , 2016, 6, 37275. | 1.6 | 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. | 1.3 | 36 |
| 42 | Adrenaline in pro-oxidant conditions elicits intracellular survival pathways in isolated rat cardiomyocytes. <i>Toxicology</i> , 2009, 257, 70-79. | 2.0 | 35 |
| 43 | Volatile metabolomic signature of bladder cancer cell lines based on gas chromatography-mass spectrometry. <i>Metabolomics</i> , 2018, 14, 62. | 1.4 | 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. | 1.9 | 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. | 2.0 | 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. | 1.1 | 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. | 0.5 | 30 |
| 48 | Renal cell carcinoma: a critical analysis of metabolomic biomarkers emerging from current model systems. <i>Translational Research</i> , 2017, 180, 1-11. | 2.2 | 29 |
| 49 | <i>Dracaena draco</i> L. fruit: Phytochemical and antioxidant activity assessment. <i>Food Research International</i> , 2011, 44, 2182-2189. | 2.9 | 28 |
| 50 | Update on 1-benzylpiperazine (BZP) party pills. <i>Archives of Toxicology</i> , 2013, 87, 929-947. | 1.9 | 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. | 1.9 | 26 |
| 52 | Stroke and multiple peripheral thrombotic events in an adult with varicella. <i>European Journal of Neurology</i> , 2008, 15, e90-1. | 1.7 | 25 |
| 53 | Targeted metabolites and biological activities of <i>Cydonia oblonga</i> Miller leaves. <i>Food Research International</i> , 2012, 46, 496-504. | 2.9 | 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. | 1.9 | 25 |

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|----|---|-----|-----------|
| 55 | Biomarkers in renal cell carcinoma: a metabolomics approach. <i>Metabolomics</i> , 2014, 10, 1210-1222. | 1.4 | 24 |
| 56 | New findings on urinary prostate cancer metabolome through combined GC-MS and 1H NMR analytical platforms. <i>Metabolomics</i> , 2020, 16, 70. | 1.4 | 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. | 1.8 | 23 |
| 58 | Hypericum androsaemum infusion increases tert-butyl hydroperoxide-induced mice hepatotoxicity in vivo. <i>Journal of Ethnopharmacology</i> , 2004, 94, 345-351. | 2.0 | 22 |
| 59 | GC-MS-Based Endometabolome Analysis Differentiates Prostate Cancer from Normal Prostate Cells. <i>Metabolites</i> , 2018, 8, 23. | 1.3 | 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. | 1.2 | 21 |
| 61 | NMR-based metabolomics studies of human prostate cancer tissue. <i>Metabolomics</i> , 2018, 14, 88. | 1.4 | 21 |
| 62 | Toxicometabolomics: Small Molecules to Answer Big Toxicological Questions. <i>Metabolites</i> , 2021, 11, 692. | 1.3 | 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. | 0.8 | 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. | 0.4 | 18 |
| 65 | A Panel of Urinary Volatile Biomarkers for Differential Diagnosis of Prostate Cancer from Other Urological Cancers. <i>Cancers</i> , 2020, 12, 2017. | 1.7 | 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. | 2.0 | 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. | 1.7 | 16 |
| 68 | GC-MS Metabolomics Reveals Distinct Profiles of Low- and High-Grade Bladder Cancer Cultured Cells. <i>Metabolites</i> , 2019, 9, 18. | 1.3 | 15 |
| 69 | Evaluation of GSH adducts of adrenaline in biological samples. <i>Biomedical Chromatography</i> , 2007, 21, 670-679. | 0.8 | 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. | 4.2 | 12 |
| 71 | Exposure to BTEX in buses: The influence of vehicle fuel type. <i>Environmental Pollution</i> , 2019, 255, 113100. | 3.7 | 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. | 1.9 | 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, , . | 1.8 | 11 |
| 74 | Volatilomics Reveals Potential Biomarkers for Identification of Renal Cell Carcinoma: An In Vitro Approach. <i>Metabolites</i> , 2020, 10, 174. | 1.3 | 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. | 1.8 | 8 |
| 76 | Effect of temperature on 3,4-Methylenedioxypropylamphetamine (MDPV)-induced metabolome disruption in primary mouse hepatic cells. <i>Toxicology</i> , 2020, 441, 152503. | 2.0 | 8 |
| 77 | Metabolic signature of methylone in primary mouse hepatocytes, at subtoxic concentrations. <i>Archives of Toxicology</i> , 2019, 93, 3277-3290. | 1.9 | 7 |
| 78 | Pharmacometabolomics Applied to Personalized Medicine in Urological Cancers. <i>Pharmaceuticals</i> , 2022, 15, 295. | 1.7 | 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. | 0.4 | 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. | 0.5 | 5 |
| 81 | Hepatic Metabolic Derangements Triggered by Hyperthermia: An In Vitro Metabolomic Study. <i>Metabolites</i> , 2019, 9, 228. | 1.3 | 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. | 1.8 | 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. | 0.5 | 3 |
| 85 | Ethanol, the forgotten artifact in cell culture. <i>Archives of Toxicology</i> , 2008, 82, 197-198. | 1.9 | 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. | 0.4 | 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. | 0.4 | 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. | 0.4 | 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. | 0.4 | 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. | 0.4 | 0 |

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|-----|--|-----|-----------|
| 91 | Smart™ but not safe: The potential hepatotoxicity of synthetic cathinones. Toxicology Letters, 2014, 229, S64. | 0.4 | 0 |
| 92 | An insight into the mechanisms underlying the hepatotoxicity of cathinone derivatives. Toxicology Letters, 2014, 229, S58. | 0.4 | 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. | 0.4 | 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. | 0.4 | 0 |
| 95 | Exploratory urinary metabolomic profiling of renal cell carcinoma using 1 H NMR spectroscopy and multivariate analysis. Toxicology Letters, 2015, 238, S233-S234. | 0.4 | 0 |
| 96 | Renal cell carcinoma detection by analysis of Volatile Organic Compounds in urine. Toxicology Letters, 2016, 258, S282. | 0.4 | 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. | 0.4 | 0 |
| 98 | Toxicity of synthetic cathinones in human kidney (HK-2) cells. Toxicology Letters, 2018, 295, S240. | 0.4 | 0 |
| 99 | Metabolomic analysis of the toxicity pathways elicited by subtoxic concentrations of methylone in primary mouse hepatocytes. Toxicology Letters, 2018, 295, S267. | 0.4 | 0 |
| 100 | Evaluation of prostate cancer volatilome: An in vitro approach. Toxicology Letters, 2018, 295, S268. | 0.4 | 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 |