# Vera Marisa Costa

## List of Publications by Year in Descending Order



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| 95 papers | 9,230 citations | 31 h-index | 96 g-index |
| 137 ext. papers | 19,292 ext. citations | 10.2 avg, IF | 4.87 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 95 | Cardiotoxicity of cyclophosphamide metabolites: an in vitro metabolomics approach in AC16 human cardiomyocytes.. *Archives of Toxicology*, **2022**, 96, 653 | 5.8 | 0 |
| 94 | Estimation of the global prevalence of dementia in 2019 and forecasted prevalence in 2050: an analysis for the Global Burden of Disease Study 2019.. *Lancet Public Health, The*, **2022**, | 22.4 | 95 |
| 93 | Chemobrain: mitoxantrone-induced oxidative stress, apoptotic and autophagic neuronal death in adult CD-1 mice.. *Archives of Toxicology*, **2022**, 1 | 5.8 | 0 |
| 92 | Global, regional, and national burden of colorectal cancer and its risk factors, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019.. *The Lancet Gastroenterology and Hepatology*, **2022**, | 18.8 | 5 |
| 91 | Antidotal effect of cyclosporine A against amanitin toxicity in CD-1 mice, at clinical relevant doses. *Food and Chemical Toxicology*, **2022**, 113198 | 4.7 | 0 |
| 90 | Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life Years for 29 Cancer Groups From 2010 to 2019: A Systematic Analysis for the Global Burden of Disease Study 2019.. *JAMA Oncology*, **2021**, | 13.4 | 51 |
| 89 | The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet Oncology, The*, **2021**, | 21.7 | 4 |
| 88 | Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018. *Nature Medicine*, **2021**, 27, 1761-1782 | 50.5 | 10 |
| 87 | Global, regional, and national mortality among young people aged 10-24 years, 1950-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet, The*, **2021**, 398, 1593-1618 | 40 | 8 |
| 86 | 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*, **2021**, 1 | 5.8 | 2 |
| 85 | Discovery of New Potent Positive Allosteric Modulators of Dopamine D Receptors: Insights into the Bioisosteric Replacement of Proline to 3-Furoic Acid in the Melanostatin Neuropeptide. *Journal of Medicinal Chemistry*, **2021**, 64, 6209-6220 | 8.3 | 1 |
| 84 | Inflammation as a Possible Trigger for Mitoxantrone-Induced Cardiotoxicity: An In Vivo Study in Adult and Infant Mice. *Pharmaceuticals*, **2021**, 14, | 5.2 | 3 |
| 83 | Spatial, temporal, and demographic patterns in prevalence of chewing tobacco use in 204 countries and territories, 1990-2019: a systematic analysis from the Global Burden of Disease Study 2019. *Lancet Public Health, The*, **2021**, 6, e482-e499 | 22.4 | 11 |
| 82 | An updated review on synthetic cathinones. *Archives of Toxicology*, **2021**, 95, 2895-2940 | 5.8 | 10 |
| 81 | Spatial, temporal, and demographic patterns in prevalence of smoking tobacco use and attributable disease burden in 204 countries and territories, 1990-2019: a systematic analysis from the Global Burden of Disease Study 2019. *Lancet, The*, **2021**, 397, 2337-2360 | 40 | 97 |
| 80 | Flavonoids as antiobesity agents: A review. *Medicinal Research Reviews*, **2021**, 41, 556-585 | 14.4 | 29 |
| 79 | In vivo toxicometabolomics reveals multi-organ and urine metabolic changes in mice upon acute exposure to human-relevant doses of 3,4-methylenedioxypyrovalerone (MDPV). *Archives of Toxicology*, **2021**, 95, 509-527 | 5.8 | 3 |

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| 78 | Exploring the aging effect of the anticancer drugs doxorubicin and mitoxantrone on cardiac mitochondrial proteome using a murine model. *Toxicology*, **2021**, 459, 152852 | 4.4 | 2 |
| 77 | Measuring routine childhood vaccination coverage in 204 countries and territories, 1980-2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1. *Lancet, The*, **2021**, 398, 503-521 | 40 | 29 |
| 76 | Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019. *Lancet, The*, **2021**, 398, 870-905 | 40 | 43 |
| 75 | An update of the molecular mechanisms underlying doxorubicin plus trastuzumab induced cardiotoxicity. *Life Sciences*, **2021**, 280, 119760 | 6.8 | 3 |
| 74 | Global, regional, and national burden of stroke and its risk factors, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet Neurology, The*, **2021**, 20, 795-820 | 24.1 | 229 |
| 73 | Chemobrain **2021**, 61-72 | | |
| 72 | Global Burden of Cardiovascular Diseases and Risk Factors, 1990-2019: Update From the GBD 2019 Study. *Journal of the American College of Cardiology*, **2020**, 76, 2982-3021 | 15.1 | 922 |
| 71 | 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 | 5.8 | 3 |
| 70 | Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000-17: analysis for the Global Burden of Disease Study 2017. *Lancet, The*, **2020**, 395, 1779-1801 | 40 | 30 |
| 69 | In vitro mechanistic studies on amanitin and its putative antidotes. *Archives of Toxicology*, **2020**, 94, 2061-2078 | 5.8 | 6 |
| 68 | The global, regional, and national burden of cirrhosis by cause in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet Gastroenterology and Hepatology*, **2020**, 5, 245-266 | 18.8 | 297 |
| 67 | The global, regional, and national burden of oesophageal cancer and its attributable risk factors in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet Gastroenterology and Hepatology*, **2020**, 5, 582-597 | 18.8 | 71 |
| 66 | Global burden of 369 diseases and injuries in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet, The*, **2020**, 396, 1204-1222 | 40 | 1847 |
| 65 | Global burden of 87 risk factors in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet, The*, **2020**, 396, 1223-1249 | 40 | 1013 |
| 64 | Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950-2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. *Lancet, The*, **2020**, 396, 1160-1203 | 40 | 228 |
| 63 | Five insights from the Global Burden of Disease Study 2019. *Lancet, The*, **2020**, 396, 1135-1159 | 40 | 113 |
| 62 | Mapping geographical inequalities in oral rehydration therapy coverage in low-income and middle-income countries, 2000-17. *The Lancet Global Health*, **2020**, 8, e1038-e1060 | 13.6 | 12 |
| 61 | Estimating global injuries morbidity and mortality: methods and data used in the Global Burden of Disease 2017 study. *Injury Prevention*, **2020**, 26, i125-i153 | 3.2 | 12 |

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| 60 | Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet, The*, **2020**, 396, 1250-1284 | 40 | 112 |
| 59 | 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 | 5.8 | 3 |
| 58 | Mapping geographical inequalities in access to drinking water and sanitation facilities in low-income and middle-income countries, 2000-17. *The Lancet Global Health*, **2020**, 8, e1162-e1185 | 13.6 | 27 |
| 57 | Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017. *Injury Prevention*, **2020**, 26, i96-i114 | 3.2 | 39 |
| 56 | The global, regional, and national burden of stomach cancer in 195 countries, 1990-2017: a systematic analysis for the Global Burden of Disease study 2017. *The Lancet Gastroenterology and Hepatology*, **2020**, 5, 42-54 | 18.8 | 184 |
| 55 | Structure-cytotoxicity relationship profile of 13 synthetic cathinones in differentiated human SH-SY5Y neuronal cells. *NeuroToxicology*, **2019**, 75, 158-173 | 4.4 | 15 |
| 54 | Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life-Years for 29 Cancer Groups, 1990 to 2017: A Systematic Analysis for the Global Burden of Disease Study. *JAMA Oncology*, **2019**, 5, 1749-1768 | 13.4 | 888 |
| 53 | The Main Metabolites of Fluorouracil + Adriamycin + Cyclophosphamide (FAC) Are Not Major Contributors to FAC Toxicity in H9c2 Cardiac Differentiated Cells. *Biomolecules*, **2019**, 9, | 5.9 | 4 |
| 52 | An effective antidotal combination of polymyxin B and methylprednisolone for □amanitin intoxication. *Archives of Toxicology*, **2019**, 93, 1449-1463 | 5.8 | 10 |
| 51 | Global, regional, and national burden of neurological disorders, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet Neurology, The*, **2019**, 18, 459-480 | 24.1 | 1093 |
| 50 | Methods for the analysis of transcriptome dynamics. *Toxicology Research*, **2019**, 8, 597-612 | 2.6 | 5 |
| 49 | The global burden of childhood and adolescent cancer in 2017: an analysis of the Global Burden of Disease Study 2017. *Lancet Oncology, The*, **2019**, 20, 1211-1225 | 21.7 | 107 |
| 48 | Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. *Nature*, **2019**, 574, 353-358 | 38.4 | 87 |
| 47 | 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 | 2.4 | 1 |
| 46 | Doxorubicin Is Key for the Cardiotoxicity of FAC (5-Fluorouracil + Adriamycin + Cyclophosphamide) Combination in Differentiated H9c2 Cells. *Biomolecules*, **2019**, 9, | 5.9 | 6 |
| 45 | Methylphenidate clinically oral doses improved brain and heart glutathione redox status and evoked renal and cardiac tissue injury in rats. *Biomedicine and Pharmacotherapy*, **2018**, 100, 551-563 | 7.5 | 8 |
| 44 | Comprehensive review of cardiovascular toxicity of drugs and related agents. *Medicinal Research Reviews*, **2018**, 38, 1332-1403 | 14.4 | 90 |
| 43 | Mitoxantrone is More Toxic than Doxorubicin in SH-SY5Y Human Cells: A "Chemobrain" In Vitro Study. *Pharmaceuticals*, **2018**, 11, | 5.2 | 8 |

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| 42 | Aged rats are more vulnerable than adolescents to "ecstasy"-induced toxicity. *Archives of Toxicology*, **2018**, 92, 2275-2295 | 5.8 | 5 |
| 41 | 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 | 2.3 | 3 |
| 40 | Toxicity of the amphetamine metabolites 4-hydroxyamphetamine and 4-hydroxynorephedrine in human dopaminergic differentiated SH-SY5Y cells. *Toxicology Letters*, **2017**, 269, 65-76 | 4.4 | 10 |
| 39 | Quantitative histochemistry for macrophage biodistribution on mice liver and spleen after the administration of a pharmacological-relevant dose of polyacrylic acid-coated iron oxide nanoparticles. *Nanotoxicology*, **2017**, 11, 256-266 | 5.3 | 13 |
| 38 | The importance of drug metabolites synthesis: the case-study of cardiotoxic anticancer drugs. *Drug Metabolism Reviews*, **2017**, 49, 158-196 | 7 | 17 |
| 37 | Methylphenidate effects in the young brain: friend or foe?. *International Journal of Developmental Neuroscience*, **2017**, 60, 34-47 | 2.7 | 18 |
| 36 | Studies towards the synthesis of dicarboxylic acid metabolite of mitoxantrone:. *Porto Biomedical Journal*, **2017**, 2, 220-221 | 1.1 | |
| 35 | Chemical characterization and protective effect of the Bactris setosa Mart. fruit against oxidative/nitrosative stress. *Food Chemistry*, **2017**, 220, 427-437 | 8.5 | 18 |
| 34 | 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 | 5.8 | 15 |
| 33 | Biodistribution of polyacrylic acid-coated iron oxide nanoparticles is associated with proinflammatory activation and liver toxicity. *Journal of Applied Toxicology*, **2016**, 36, 1321-31 | 4.1 | 20 |
| 32 | "Ecstasy" toxicity to adolescent rats following an acute low binge dose. *BMC Pharmacology & Toxicology*, **2016**, 17, 28 | 2.6 | 7 |
| 31 | The age factor for mitoxantrone® cardiotoxicity: multiple doses render the adult mouse heart more susceptible to injury. *Toxicology*, **2015**, 329, 106-19 | 4.4 | 21 |
| 30 | 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 | 3.2 | 24 |
| 29 | Co-ingestion of amatoxins and isoxazoles-containing mushrooms and successful treatment: A case report. *Toxicon*, **2015**, 103, 55-9 | 2.8 | 13 |
| 28 | A breakthrough on Amanita phalloides poisoning: an effective antidotal effect by polymyxin B. *Archives of Toxicology*, **2015**, 89, 2305-23 | 5.8 | 27 |
| 27 | Amanita phalloides poisoning: Mechanisms of toxicity and treatment. *Food and Chemical Toxicology*, **2015**, 86, 41-55 | 4.7 | 85 |
| 26 | The neurotoxicity of amphetamines during the adolescent period. *International Journal of Developmental Neuroscience*, **2015**, 41, 44-62 | 2.7 | 53 |
| 25 | Inosine strongly enhances proliferation of human C32 melanoma cells through PLC-PKC-MEK1/2-ERK1/2 and PI3K pathways. *Basic and Clinical Pharmacology and Toxicology*, **2015**, 116, 25-36 | 3.1 | 13 |

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| 24 | The Role of the Metabolism of Anticancer Drugs in Their Induced-Cardiotoxicity. *Current Drug Metabolism*, **2015**, 17, 75-90 | 3.5 | 22 |
| 23 | Mitochondrial cumulative damage induced by mitoxantrone: late onset cardiac energetic impairment. *Cardiovascular Toxicology*, **2014**, 14, 30-40 | 3.4 | 28 |
| 22 | Combination of Cl-IB-MECA with paclitaxel is a highly effective cytotoxic therapy causing mTOR-dependent autophagy and mitotic catastrophe on human melanoma cells. *Journal of Cancer Research and Clinical Oncology*, **2014**, 140, 921-35 | 4.9 | 11 |
| 21 | Cumulative mitoxantrone-induced haematological and hepatic adverse effects in a subchronic in vivo study. *Basic and Clinical Pharmacology and Toxicology*, **2014**, 114, 254-62 | 3.1 | 10 |
| 20 | Modeling chronic brain exposure to amphetamines using primary rat neuronal cortical cultures. *Neuroscience*, **2014**, 277, 417-34 | 3.9 | 5 |
| 19 | The combination of Cl-IB-MECA with paclitaxel: a new anti-metastatic therapeutic strategy for melanoma. *Cancer Chemotherapy and Pharmacology*, **2014**, 74, 847-60 | 3.5 | 8 |
| 18 | The heart as a target for xenobiotic toxicity: the cardiac susceptibility to oxidative stress. *Chemical Research in Toxicology*, **2013**, 26, 1285-311 | 4 | 58 |
| 17 | Potentiation of cytotoxicity of paclitaxel in combination with Cl-IB-MECA in human C32 metastatic melanoma cells: A new possible therapeutic strategy for melanoma. *Biomedicine and Pharmacotherapy*, **2013**, 67, 777-89 | 7.5 | 12 |
| 16 | Therapeutic concentrations of mitoxantrone elicit energetic imbalance in H9c2 cells as an earlier event. *Cardiovascular Toxicology*, **2013**, 13, 413-25 | 3.4 | 26 |
| 15 | Neurotoxicity of "ecstasy" and its metabolites in human dopaminergic differentiated SH-SY5Y cells. *Toxicology Letters*, **2013**, 216, 159-70 | 4.4 | 31 |
| 14 | The neurotoxicity of hallucinogenic amphetamines in primary cultures of hippocampal neurons. *NeuroToxicology*, **2013**, 34, 254-63 | 4.4 | 31 |
| 13 | The metabolic profile of mitoxantrone and its relation with mitoxantrone-induced cardiotoxicity. *Archives of Toxicology*, **2013**, 87, 1809-20 | 5.8 | 37 |
| 12 | Acetaminophen prevents oxidative burst and delays apoptosis in human neutrophils. *Toxicology Letters*, **2013**, 219, 170-7 | 4.4 | 14 |
| 11 | Toxicity of amphetamines: an update. *Archives of Toxicology*, **2012**, 86, 1167-231 | 5.8 | 296 |
| 10 | Synephrine: from trace concentrations to massive consumption in weight-loss. *Food and Chemical Toxicology*, **2011**, 49, 8-16 | 4.7 | 71 |
| 9 | Structural isomerization of synephrine influences its uptake and ensuing glutathione depletion in rat-isolated cardiomyocytes. *Archives of Toxicology*, **2011**, 85, 929-39 | 5.8 | 20 |
| 8 | Contribution of catecholamine reactive intermediates and oxidative stress to the pathologic features of heart diseases. *Current Medicinal Chemistry*, **2011**, 18, 2272-314 | 4.3 | 77 |
| 7 | 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, 721-8 | 3.5 | 20 |

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| 6 | ER stress-inducible factor CHOP affects the expression of hepcidin by modulating C/EBPalpha activity. *PLoS ONE*, **2009**, 4, e6618 | 3.7 | 73 |
| 5 | Adrenaline in pro-oxidant conditions elicits intracellular survival pathways in isolated rat cardiomyocytes. *Toxicology*, **2009**, 257, 70-9 | 4.4 | 30 |
| 4 | Adrenaline and reactive oxygen species elicit proteome and energetic metabolism modifications in freshly isolated rat cardiomyocytes. *Toxicology*, **2009**, 260, 84-96 | 4.4 | 27 |
| 3 | 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 | 4 | 14 |
| 2 | Evaluation of GSH adducts of adrenaline in biological samples. *Biomedical Chromatography*, **2007**, 21, 670-9 | 1.7 | 11 |
| 1 | Oxidation process of adrenaline in freshly isolated rat cardiomyocytes: formation of adrenochrome, quinoproteins, and GSH adduct. *Chemical Research in Toxicology*, **2007**, 20, 1183-91 | 4 | 52 |