Vera Marisa Costa

List of Publications by Citations

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	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
94	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
93	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
92	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
91	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
90	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
89	Toxicity of amphetamines: an update. *Archives of Toxicology*, **2012**, 86, 1167-231	5.8	296
88	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
87	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
86	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
85	Five insights from the Global Burden of Disease Study 2019. *Lancet, The*, **2020**, 396, 1135-1159	40	113
84	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
83	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
82	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
81	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
80	Comprehensive review of cardiovascular toxicity of drugs and related agents. *Medicinal Research Reviews*, **2018**, 38, 1332-1403	14.4	90
79	Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. *Nature*, **2019**, 574, 353-358	38.4	87

78	Amanita phalloides poisoning: Mechanisms of toxicity and treatment. *Food and Chemical Toxicology*, **2015**, 86, 41-55	4.7	85
77	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
76	ER stress-inducible factor CHOP affects the expression of hepcidin by modulating C/EBPalpha activity. *PLoS ONE*, **2009**, 4, e6618	3.7	73
75	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
74	Synephrine: from trace concentrations to massive consumption in weight-loss. *Food and Chemical Toxicology*, **2011**, 49, 8-16	4.7	71
73	The heart as a target for xenobiotic toxicity: the cardiac susceptibility to oxidative stress. *Chemical Research in Toxicology*, **2013**, 26, 1285-311	4	58
72	The neurotoxicity of amphetamines during the adolescent period. *International Journal of Developmental Neuroscience*, **2015**, 41, 44-62	2.7	53
71	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
70	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
69	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
68	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
67	The metabolic profile of mitoxantrone and its relation with mitoxantrone-induced cardiotoxicity. *Archives of Toxicology*, **2013**, 87, 1809-20	5.8	37
66	Neurotoxicity of "ecstasy" and its metabolites in human dopaminergic differentiated SH-SY5Y cells. *Toxicology Letters*, **2013**, 216, 159-70	4.4	31
65	The neurotoxicity of hallucinogenic amphetamines in primary cultures of hippocampal neurons. *NeuroToxicology*, **2013**, 34, 254-63	4.4	31
64	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
63	Adrenaline in pro-oxidant conditions elicits intracellular survival pathways in isolated rat cardiomyocytes. *Toxicology*, **2009**, 257, 70-9	4.4	30
62	Flavonoids as antiobesity agents: A review. *Medicinal Research Reviews*, **2021**, 41, 556-585	14.4	29
61	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

60	Mitochondrial cumulative damage induced by mitoxantrone: late onset cardiac energetic impairment. *Cardiovascular Toxicology*, **2014**, 14, 30-40	3.4	28
59	A breakthrough on Amanita phalloides poisoning: an effective antidotal effect by polymyxin B. *Archives of Toxicology*, **2015**, 89, 2305-23	5.8	27
58	Adrenaline and reactive oxygen species elicit proteome and energetic metabolism modifications in freshly isolated rat cardiomyocytes. *Toxicology*, **2009**, 260, 84-96	4.4	27
57	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
56	Therapeutic concentrations of mitoxantrone elicit energetic imbalance in H9c2 cells as an earlier event. *Cardiovascular Toxicology*, **2013**, 13, 413-25	3.4	26
55	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
54	The Role of the Metabolism of Anticancer Drugs in Their Induced-Cardiotoxicity. *Current Drug Metabolism*, **2015**, 17, 75-90	3.5	22
53	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
52	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
51	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
50	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
49	Methylphenidate effects in the young brain: friend or foe?. *International Journal of Developmental Neuroscience*, **2017**, 60, 34-47	2.7	18
48	Chemical characterization and protective effect of the Bactris setosa Mart. fruit against oxidative/nitrosative stress. *Food Chemistry*, **2017**, 220, 427-437	8.5	18
47	The importance of drug metabolites synthesis: the case-study of cardiotoxic anticancer drugs. *Drug Metabolism Reviews*, **2017**, 49, 158-196	7	17
46	Structure-cytotoxicity relationship profile of 13 synthetic cathinones in differentiated human SH-SY5Y neuronal cells. *NeuroToxicology*, **2019**, 75, 158-173	4.4	15
45	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
44	Acetaminophen prevents oxidative burst and delays apoptosis in human neutrophils. *Toxicology Letters*, **2013**, 219, 170-7	4.4	14
43	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

42	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
41	Co-ingestion of amatoxins and isoxazoles-containing mushrooms and successful treatment: A case report. *Toxicon*, **2015**, 103, 55-9	2.8	13
40	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
39	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
38	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
37	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
36	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
35	Evaluation of GSH adducts of adrenaline in biological samples. *Biomedical Chromatography*, **2007**, 21, 670-9	1.7	11
34	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
33	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
32	An effective antidotal combination of polymyxin B and methylprednisolone for □amanitin intoxication. *Archives of Toxicology*, **2019**, 93, 1449-1463	5.8	10
31	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
30	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
29	An updated review on synthetic cathinones. *Archives of Toxicology*, **2021**, 95, 2895-2940	5.8	10
28	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
27	Mitoxantrone is More Toxic than Doxorubicin in SH-SY5Y Human Cells: A □Chemobrain□n Vitro Study. *Pharmaceuticals*, **2018**, 11,	5.2	8
26	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
25	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

24	"Ecstasy" toxicity to adolescent rats following an acute low binge dose. *BMC Pharmacology & Toxicology*, **2016**, 17, 28	2.6	7
23	In vitro mechanistic studies on amanitin and its putative antidotes. *Archives of Toxicology*, **2020**, 94, 2061-2078	5.8	6
22	Doxorubicin Is Key for the Cardiotoxicity of FAC (5-Fluorouracil + Adriamycin + Cyclophosphamide) Combination in Differentiated H9c2 Cells. *Biomolecules*, **2019**, 9,	5.9	6
21	Aged rats are more vulnerable than adolescents to "ecstasy"-induced toxicity. *Archives of Toxicology*, **2018**, 92, 2275-2295	5.8	5
20	Methods for the analysis of transcriptome dynamics. *Toxicology Research*, **2019**, 8, 597-612	2.6	5
19	Modeling chronic brain exposure to amphetamines using primary rat neuronal cortical cultures. *Neuroscience*, **2014**, 277, 417-34	3.9	5
18	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
17	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
16	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
15	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
14	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
13	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
12	Inflammation as a Possible Trigger for Mitoxantrone-Induced Cardiotoxicity: An In Vivo Study in Adult and Infant Mice. *Pharmaceuticals*, **2021**, 14,	5.2	3
11	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
10	An update of the molecular mechanisms underlying doxorubicin plus trastuzumab induced cardiotoxicity. *Life Sciences*, **2021**, 280, 119760	6.8	3
9	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
8	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
7	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

6	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
5	Cardiotoxicity of cyclophosphamide metabolites: an in vitro metabolomics approach in AC16 human cardiomyocytes.. *Archives of Toxicology*, **2022**, 96, 653	5.8	0
4	Chemobrain: mitoxantrone-induced oxidative stress, apoptotic and autophagic neuronal death in adult CD-1 mice.. *Archives of Toxicology*, **2022**, 1	5.8	0
3	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
2	Studies towards the synthesis of dicarboxylic acid metabolite of mitoxantrone:. *Porto Biomedical Journal*, **2017**, 2, 220-221	1.1	
1	Chemobrain **2021**, 61-72		