

Vera Marisa Costa

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

32,090
citations

76294

40
h-index

29127

104
g-index

138
all docs

138
docs citations

138
times ranked

29063
citing authors

#	ARTICLE	IF	CITATIONS
1	Global burden of 369 diseases and injuries in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1204-1222.	6.3	7,664
2	Global Burden of Cardiovascular Diseases and Risk Factors, 1990â€“2019. <i>Journal of the American College of Cardiology</i> , 2020, 76, 2982-3021.	1.2	4,468
3	Global burden of 87 risk factors in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1223-1249.	6.3	3,928
4	Global, regional, and national burden of neurological disorders, 1990â€“2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet Neurology, The</i> , 2019, 18, 459-480.	4.9	2,625
5	Global, regional, and national burden of stroke and its risk factors, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet Neurology, The</i> , 2021, 20, 795-820.	4.9	2,308
6	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. <i>JAMA Oncology</i> , 2019, 5, 1749.	3.4	1,691
7	Estimation of the global prevalence of dementia in 2019 and forecasted prevalence in 2050: an analysis for the Global Burden of Disease Study 2019. <i>Lancet Public Health, The</i> , 2022, 7, e105-e125.	4.7	1,199
8	Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950â€“2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1160-1203.	6.3	890
9	The global, regional, and national burden of cirrhosis by cause in 195 countries and territories, 1990â€“2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>The Lancet Gastroenterology and Hepatology</i> , 2020, 5, 245-266.	3.7	823
10	Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life Years for 29 Cancer Groups From 2010 to 2019. <i>JAMA Oncology</i> , 2022, 8, 420.	3.4	719
11	Spatial, temporal, and demographic patterns in prevalence of smoking tobacco use and attributable disease burden in 204 countries and territories, 1990â€“2019: a systematic analysis from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2021, 397, 2337-2360.	6.3	609
12	The global, regional, and national burden of stomach cancer in 195 countries, 1990â€“2017: a systematic analysis for the Global Burden of Disease study 2017. <i>The Lancet Gastroenterology and Hepatology</i> , 2020, 5, 42-54.	3.7	390
13	Toxicity of amphetamines: an update. <i>Archives of Toxicology</i> , 2012, 86, 1167-1231.	1.9	364
14	Five insights from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1135-1159.	6.3	335
15	Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1250-1284.	6.3	330
16	The global, regional, and national burden of oesophageal cancer and its attributable risk factors in 195 countries and territories, 1990â€“2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>The Lancet Gastroenterology and Hepatology</i> , 2020, 5, 582-597.	3.7	241
17	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. <i>Lancet, The</i> , 2021, 398, 870-905.	6.3	229
18	The global burden of childhood and adolescent cancer in 2017: an analysis of the Global Burden of Disease Study 2017. <i>Lancet Oncology, The</i> , 2019, 20, 1211-1225.	5.1	199

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19	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. <i>The Lancet Gastroenterology and Hepatology</i> , 2022, 7, 627-647.	3.7	177
20	Comprehensive review of cardiovascular toxicity of drugs and related agents. <i>Medicinal Research Reviews</i> , 2018, 38, 1332-1403.	5.0	176
21	Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. <i>Nature</i> , 2019, 574, 353-358.	13.7	161
22	<i>Amanita phalloides</i> poisoning: Mechanisms of toxicity and treatment. <i>Food and Chemical Toxicology</i> , 2015, 86, 41-55.	1.8	145
23	Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017. <i>Injury Prevention</i> , 2020, 26, i96-i114.	1.2	103
24	Synephrine: From trace concentrations to massive consumption in weight-loss. <i>Food and Chemical Toxicology</i> , 2011, 49, 8-16.	1.8	95
25	Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases. <i>Current Medicinal Chemistry</i> , 2011, 18, 2272-2314.	1.2	93
26	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. <i>Lancet, The</i> , 2021, 398, 503-521.	6.3	93
27	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. <i>Lancet, The</i> , 2021, 398, 1593-1618.	6.3	92
28	Mapping geographical inequalities in access to drinking water and sanitation facilities in low-income and middle-income countries, 2000–17. <i>The Lancet Global Health</i> , 2020, 8, e1162-e1185.	2.9	91
29	The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet Oncology, The</i> , 2022, 23, 27-52.	5.1	90
30	ER Stress-Inducible Factor CHOP Affects the Expression of Hepcidin by Modulating C/EBPalpha Activity. <i>PLoS ONE</i> , 2009, 4, e6618.	1.1	88
31	Flavonoids as antiobesity agents: A review. <i>Medicinal Research Reviews</i> , 2021, 41, 556-585.	5.0	81
32	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. <i>Lancet, The</i> , 2020, 395, 1779-1801.	6.3	72
33	The Heart As a Target for Xenobiotic Toxicity: The Cardiac Susceptibility to Oxidative Stress. <i>Chemical Research in Toxicology</i> , 2013, 26, 1285-1311.	1.7	70
34	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
35	The neurotoxicity of amphetamines during the adolescent period. <i>International Journal of Developmental Neuroscience</i> , 2015, 41, 44-62.	0.7	66
36	Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018. <i>Nature Medicine</i> , 2021, 27, 1761-1782.	15.2	60

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37	An updated review on synthetic cathinones. Archives of Toxicology, 2021, 95, 2895-2940.	1.9	59
38	The metabolic profile of mitoxantrone and its relation with mitoxantrone-induced cardiotoxicity. Archives of Toxicology, 2013, 87, 1809-1820.	1.9	49
39	A breakthrough on Amanita phalloides poisoning: an effective antidotal effect by polymyxin B. Archives of Toxicology, 2015, 89, 2305-2323.	1.9	48
40	Estimating global injuries morbidity and mortality: methods and data used in the Global Burden of Disease 2017 study. Injury Prevention, 2020, 26, i125-i153.	1.2	44
41	The Role of the Metabolism of Anticancer Drugs in Their Induced-Cardiotoxicity. Current Drug Metabolism, 2015, 17, 75-90.	0.7	41
42	Global, regional and national burden of bladder cancer and its attributable risk factors in 204 countries and territories, 1990â€”2019: a systematic analysis for the Global Burden of Disease study 2019. BMJ Global Health, 2021, 6, e004128.	2.0	41
43	Neurotoxicity of â€œecstasyâ€ and its metabolites in human dopaminergic differentiated SH-SY5Y cells. Toxicology Letters, 2013, 216, 159-170.	0.4	39
44	Spatial, temporal, and demographic patterns in prevalence of chewing tobacco use in 204 countries and territories, 1990â€”2019: a systematic analysis from the Global Burden of Disease Study 2019. Lancet Public Health, The, 2021, 6, e482-e499.	4.7	38
45	The neurotoxicity of hallucinogenic amphetamines in primary cultures of hippocampal neurons. NeuroToxicology, 2013, 34, 254-263.	1.4	37
46	Mitochondrial Cumulative Damage Induced by Mitoxantrone: Late Onset Cardiac Energetic Impairment. Cardiovascular Toxicology, 2014, 14, 30-40.	1.1	37
47	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.	1.2	36
48	Adrenaline in pro-oxidant conditions elicits intracellular survival pathways in isolated rat cardiomyocytes. Toxicology, 2009, 257, 70-79.	2.0	35
49	Therapeutic Concentrations of Mitoxantrone Elicit Energetic Imbalance in H9c2 Cells as an Earlier Event. Cardiovascular Toxicology, 2013, 13, 413-425.	1.1	31
50	Adrenaline and reactive oxygen species elicit proteome and energetic metabolism modifications in freshly isolated rat cardiomyocytes. Toxicology, 2009, 260, 84-96.	2.0	30
51	The age factor for mitoxantroneâ€™s cardiotoxicity: Multiple doses render the adult mouse heart more susceptible to injury. Toxicology, 2015, 329, 106-119.	2.0	30
52	Biodistribution of polyacrylic acidâ€ coated iron oxide nanoparticles is associated with proinflammatory activation and liver toxicity. Journal of Applied Toxicology, 2016, 36, 1321-1331.	1.4	29
53	Structural isomerization of synephrine influences its uptake and ensuing glutathione depletion in rat-isolated cardiomyocytes. Archives of Toxicology, 2011, 85, 929-939.	1.9	27
54	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, 721-726.	1.4	26

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55	Chemical characterization and protective effect of the <i>Bactris setosa</i> Mart. fruit against oxidative/nitrosative stress. <i>Food Chemistry</i> , 2017, 220, 427-437.	4.2	26
56	The importance of drug metabolites synthesis: the case-study of cardiotoxic anticancer drugs. <i>Drug Metabolism Reviews</i> , 2017, 49, 158-196.	1.5	25
57	Structure-cytotoxicity relationship profile of 13 synthetic cathinones in differentiated human SH-SY5Y neuronal cells. <i>NeuroToxicology</i> , 2019, 75, 158-173.	1.4	25
58	Mapping geographical inequalities in oral rehydration therapy coverage in low-income and middle-income countries, 2000-2017. <i>The Lancet Global Health</i> , 2020, 8, e1038-e1060.	2.9	23
59	An update of the molecular mechanisms underlying doxorubicin plus trastuzumab induced cardiotoxicity. <i>Life Sciences</i> , 2021, 280, 119760.	2.0	23
60	Methylphenidate effects in the young brain: friend or foe?. <i>International Journal of Developmental Neuroscience</i> , 2017, 60, 34-47.	0.7	22
61	An effective antidotal combination of polymyxin B and methylprednisolone for $\hat{\pm}$ -amanitin intoxication. <i>Archives of Toxicology</i> , 2019, 93, 1449-1463.	1.9	22
62	Inosine Strongly Enhances Proliferation of Human C32 Melanoma Cells through PLC $\hat{\pm}$ PKC $\hat{\pm}$ MEK $\hat{\pm}$ ERK $\hat{\pm}$ 1/2 and PI3K Pathways. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2015, 116, 25-36.	1.2	21
63	In vitro mechanistic studies on $\hat{\pm}$ -amanitin and its putative antidotes. <i>Archives of Toxicology</i> , 2020, 94, 2061-2078.	1.9	20
64	Naphthoquinoxaline metabolite of mitoxantrone is less cardiotoxic than the parent compound and it can be a more cardiosafe drug in anticancer therapy. <i>Archives of Toxicology</i> , 2017, 91, 1871-1890.	1.9	18
65	Acetaminophen prevents oxidative burst and delays apoptosis in human neutrophils. <i>Toxicology Letters</i> , 2013, 219, 170-177.	0.4	17
66	Cross-Functioning between the Extraneuronal Monoamine Transporter and Multidrug Resistance Protein 1 in the Uptake of Adrenaline and Export of 5-(Glutathion <i>S</i> - <i>yl</i>)adrenaline in Rat Cardiomyocytes. <i>Chemical Research in Toxicology</i> , 2009, 22, 129-135.	1.7	16
67	Combination of Cl-IB-MECA with paclitaxel is a highly effective cytotoxic therapy causing mTOR-dependent autophagy and mitotic catastrophe on human melanoma cells. <i>Journal of Cancer Research and Clinical Oncology</i> , 2014, 140, 921-935.	1.2	16
68	Role of Inflammation and Redox Status on Doxorubicin-Induced Cardiotoxicity in Infant and Adult CD-1 Male Mice. <i>Biomolecules</i> , 2021, 11, 1725.	1.8	16
69	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. <i>Nanotoxicology</i> , 2017, 11, 256-266.	1.6	15
70	Exploring the aging effect of the anticancer drugs doxorubicin and mitoxantrone on cardiac mitochondrial proteome using a murine model. <i>Toxicology</i> , 2021, 459, 152852.	2.0	15
71	Potential of cytotoxicity of paclitaxel in combination with Cl-IB-MECA in human C32 metastatic melanoma cells: A new possible therapeutic strategy for melanoma. <i>Biomedicine and Pharmacotherapy</i> , 2013, 67, 777-789.	2.5	14
72	Co-ingestion of amatoxins and isoxazoles-containing mushrooms and successful treatment: A case report. <i>Toxicon</i> , 2015, 103, 55-59.	0.8	14

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73	Cardiotoxicity of cyclophosphamide's metabolites: an in vitro metabolomics approach in AC16 human cardiomyocytes. <i>Archives of Toxicology</i> , 2022, 96, 653-671.	1.9	14
74	Cumulative Mitoxantrone-Induced Haematological and Hepatic Adverse Effects in a Subchronic <i>In vivo</i> Study. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014, 114, 254-262.	1.2	13
75	Toxicity of the amphetamine metabolites 4-hydroxyamphetamine and 4-hydroxynorephedrine in human dopaminergic differentiated SH-SY5Y cells. <i>Toxicology Letters</i> , 2017, 269, 65-76.	0.4	13
76	Mitoxantrone is More Toxic than Doxorubicin in SH-SY5Y Human Cells: A Chemobrain™ In Vitro Study. <i>Pharmaceuticals</i> , 2018, 11, 41.	1.7	13
77	Doxorubicin Is Key for the Cardiotoxicity of FAC (5-Fluorouracil + Adriamycin + Cyclophosphamide) Combination in Differentiated H9c2 Cells. <i>Biomolecules</i> , 2019, 9, 21.	1.8	13
78	Inflammation as a Possible Trigger for Mitoxantrone-Induced Cardiotoxicity: An In Vivo Study in Adult and Infant Mice. <i>Pharmaceuticals</i> , 2021, 14, 510.	1.7	13
79	Evaluation of GSH adducts of adrenaline in biological samples. <i>Biomedical Chromatography</i> , 2007, 21, 670-679.	0.8	12
80	The Main Metabolites of Fluorouracil + Adriamycin + Cyclophosphamide (FAC) Are Not Major Contributors to FAC Toxicity in H9c2 Cardiac Differentiated Cells. <i>Biomolecules</i> , 2019, 9, 98.	1.8	11
81	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
82	The combination of CI-IB-MECA with paclitaxel: a new anti-metastatic therapeutic strategy for melanoma. <i>Cancer Chemotherapy and Pharmacology</i> , 2014, 74, 847-860.	1.1	10
83	Ecstasy toxicity to adolescent rats following an acute low binge dose. <i>BMC Pharmacology & Toxicology</i> , 2016, 17, 28.	1.0	10
84	Methylphenidate clinically oral doses improved brain and heart glutathione redox status and evoked renal and cardiac tissue injury in rats. <i>Biomedicine and Pharmacotherapy</i> , 2018, 100, 551-563.	2.5	9
85	Aged rats are more vulnerable than adolescents to Ecstasy-induced toxicity. <i>Archives of Toxicology</i> , 2018, 92, 2275-2295.	1.9	9
86	Mitoxantrone impairs proteasome activity and prompts early energetic and proteomic changes in HL-1 cardiomyocytes at clinically relevant concentrations. <i>Archives of Toxicology</i> , 2020, 94, 4067-4084.	1.9	9
87	Four decades of chemotherapy-induced cognitive dysfunction: comprehensive review of clinical, animal and in vitro studies, and insights of key initiating events. <i>Archives of Toxicology</i> , 2022, 96, 11-78.	1.9	9
88	Adverse outcome pathways induced by 3,4-dimethylmethcathinone and 4-methylmethcathinone in differentiated human SH-SY5Y neuronal cells. <i>Archives of Toxicology</i> , 2020, 94, 2481-2503.	1.9	8
89	Modeling chronic brain exposure to amphetamines using primary rat neuronal cortical cultures. <i>Neuroscience</i> , 2014, 277, 417-434.	1.1	7
90	The Secretome of Human Neonatal Mesenchymal Stem Cells Modulates Doxorubicin-Induced Cytotoxicity: Impact in Non-Tumor Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13072.	1.8	7

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91	Methods for the analysis of transcriptome dynamics. Toxicology Research, 2019, 8, 597-612.	0.9	6
92	Discovery of New Potent Positive Allosteric Modulators of Dopamine D ₂ Receptors: Insights into the Bioisosteric Replacement of Proline to 3-Furoic Acid in the Melanostatin Neuropeptide. Journal of Medicinal Chemistry, 2021, 64, 6209-6220.	2.9	6
93	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.	1.0	6
94	Chemobrain: mitoxantrone-induced oxidative stress, apoptotic and autophagic neuronal death in adult CD-1 mice. Archives of Toxicology, 2022, 96, 1767-1782.	1.9	6
95	Antidotal effect of cyclosporine A against Î±-amanitin toxicity in CD-1 mice, at clinical relevant doses. Food and Chemical Toxicology, 2022, 166, 113198.	1.8	5
96	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.	0.5	2
97	Neurotoxicity of amphetamine and its metabolite 4-hydroxynorephedrine on differentiated SH-SY5Y dopaminergic cells. Toxicology Letters, 2015, 238, S358.	0.4	1
98	Clorgyline and N-acetyl-L-cysteine provide partial protection against the toxicity of synthetic cathinones and methamphetamine on SH-SY5Y humans cells. Toxicology Letters, 2018, 295, S274.	0.4	1
99	Effect of adrenaline and oxygen free radicals on calcium tolerant cardiomyocytes: Formation of glutathione adducts. Toxicology Letters, 2006, 164, S130-S131.	0.4	0
100	Validation of a HPLC-ECD method for the detection of adrenaline-GSH adducts in biological samples. Toxicology Letters, 2006, 164, S132.	0.4	0
101	Time dependent activation of transcription factors in freshly isolated cardiomyocytes: Adrenaline and reactive oxygen species incubation. Toxicology Letters, 2007, 172, S5-S6.	0.4	0
102	Therapeutic concentrations of mitoxantrone elicit cytotoxic effects on H9c2 cells. Toxicology Letters, 2011, 205, S56.	0.4	0
103	â€˜Ecstasyâ€™ and amphetamine induce developmental neurotoxicity to immature cultured rat cortical neurons. Toxicology Letters, 2011, 205, S113.	0.4	0
104	N-acetyl-cysteine prevents the cytotoxicity of adrenaline oxidation in SH-SY5Y cells. Toxicology Letters, 2011, 205, S220.	0.4	0
105	â€˜Ecstasyâ€™ and amphetamine neurotoxicity to cultured rat cortical neurons in a continuous exposure model. Toxicology Letters, 2013, 221, S233.	0.4	0
106	The putative pro-inflammatory effect and oxidative stress induced by polyacrylic acid-coated iron oxide nanoparticles in mice: An biodistribution and toxicological study. Toxicology Letters, 2015, 238, S273.	0.4	0
107	Studies towards the synthesis of dicarboxylic acid metabolite of mitoxantrone. Porto Biomedical Journal, 2017, 2, 220-221.	0.4	0
108	Chemobrain., 2021, , 61-72.		0

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109	Effects of Doxorubicin and Mitoxantrone in the brain of differently aged mice: in vivo chemobrain study. , 0, , .		0
110	The main products of cyclophosphamide bioactivation exert a cardiotoxic effect at clinical important concentrations in AC16 cardiac cells. , 0, , .		0
111	Anticancer drugs-induced toxicity in different age male CD-1 mice. , 0, , .		0
112	In vitro toxicity of Î±-amanitin in human kidney cells and evaluation of protective effect of polymyxin B. , 0, , .		0
113	Mitoxantrone-induced neurotoxicity in CD-1 mice. , 2022, 4, .	0.0	0
114	Molecular alterations underlying Doxorubicinâ€™s Chronic Cardiotoxicity in a mouse model. , 2022, 4, .	0.0	0