Gustavo Rafael Mazzaron Barcelos

List of Publications by Year
in descending order

46 papers	1,115 citations	361045 20 h-index	414034 32 g-index
48 all docs	48 docs citations	48 times ranked	1875 citing authors

#	Article	IF	Citations
1	Low levels of methylmercury induce DNA damage in rats: protective effects of selenium. Archives of Toxicology, 2009, 83, 249-254.	1.9	68
2	Protective properties of quercetin against DNA damage and oxidative stress induced by methylmercury in rats. Archives of Toxicology, 2011, 85, 1151-1157.	1.9	68
3	Low level and sub-chronic exposure to methylmercury induces hypertension in rats: nitric oxide depletion and oxidative damage as possible mechanisms. Archives of Toxicology, 2009, 83, 653-662.	1.9	64
4	Results of micronucleus assays with individuals who are occupationally and environmentally exposed to mercury, lead and cadmium. Mutation Research - Reviews in Mutation Research, 2016, 770, 119-139.	2.4	61
5	Propolis-induced genotoxicity and antigenotoxicity in Chinese hamster ovary cells. Toxicology in Vitro, 2006, 20, 1154-1158.	1.1	59
6	Polymorphisms in glutathione-related genes modify mercury concentrations and antioxidant status in subjects environmentally exposed to methylmercury. Science of the Total Environment, 2013, 463-464, 319-325.	3.9	59
7	Quercetin protects human-derived liver cells against mercury-induced DNA-damage and alterations of the redox status. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2011, 726, 109-115.	0.9	45
8	Dietary carotenoid lutein protects against DNA damage and alterations of the redox status induced by cisplatin in human derived HepG2 cells. Toxicology in Vitro, 2012, 26, 288-294.	1.1	44
9	Lead (Pb) exposure induces disturbances in epigenetic status in workers exposed to this metal. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 1098-1105.	1.1	44
10	Evaluation of Antigenotoxic Effects of Plant Flavonoids Quercetin and Rutin on <scp>HepG2</scp> Cells. Phytotherapy Research, 2011, 25, 1381-1388.	2.8	43
11	Evaluation of protective effects of fish oil against oxidative damage in rats exposed to methylmercury. Ecotoxicology and Environmental Safety, 2011, 74, 487-493.	2.9	42
12	Effects of genetic polymorphisms on antioxidant status and concentrations of the metals in the blood of riverside Amazonian communities co-exposed to Hg and Pb. Environmental Research, 2015, 138, 224-232.	3.7	34
13	Protective Effects of the Flavonoid Chrysin against Methylmercury-Induced Genotoxicity and Alterations of Antioxidant Status,In Vivo. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-7.	1.9	32
14	Evaluation of the genotoxic and anti-genotoxic activities of Silybin in human hepatoma cells (HepG2). Mutagenesis, 2010, 25, 223-229.	1.0	27
15	Validation of a RP-HPLC-DAD Method for Chamomile (Matricaria recutita) Preparations and Assessment of the Marker, Apigenin-7-glucoside, Safety and Anti-Inflammatory Effect. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-9.	0.5	27
16	A perspective of mitochondrial dysfunction in rats treated with silver and titanium nanoparticles (AgNPs and TiNPs). Journal of Trace Elements in Medicine and Biology, 2018, 47, 63-69.	1.5	26
17	Evaluation of mutagenicity and antimutagenicity of cashew stem bark methanolic extract in vitro. Journal of Ethnopharmacology, 2007, 114, 268-273.	2.0	24
18	Evaluation of GlutathioneS-transferaseGSTM1andGSTT1Polymorphisms and Methylmercury Metabolism in an Exposed Amazon Population. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 960-970.	1.1	24

#	Article	IF	Citations
19	Bixin and norbixin protect against DNAâ€damage and alterations of redox status induced by methylmercury exposure in vivo. Environmental and Molecular Mutagenesis, 2012, 53, 535-541.	0.9	23
20	Cytotoxic and mutagenic evaluation of extracts from plant species of the Miconia genus and their influence on doxorubicin-induced mutagenicity: An in vitro analysis. Experimental and Toxicologic Pathology, 2011, 63, 499-504.	2.1	21
21	Genetic Polymorphisms in Glutathione (GSH-) Related Genes Affect the Plasmatic Hg/Whole Blood Hg Partitioning and the Distribution between Inorganic and Methylmercury Levels in Plasma Collected from a Fish-Eating Population. BioMed Research International, 2014, 2014, 1-8.	0.9	20
22	An eco-friendly sample preparation procedure base on low-density solvent-based air-assisted liquid-liquid microextraction for the simultaneous determination of 21 potential endocrine disruptors in urine samples by liquid chromatography-tandem mass spectrometry. Microchemical Journal, 2019, 147, 207-214.	2.3	20
23	Polymorphism of Metallothionein 2A Modifies Lead Body Burden in Workers Chronically Exposed to the Metal. Public Health Genomics, 2016, 19, 47-52.	0.6	19
24	Genotoxicity and antigenotoxicity of cashew (Anacardium occidentale L.) in V79 cells. Toxicology in Vitro, 2007, 21, 1468-1475.	1.1	18
25	Protective effects of the exopolysaccharide Lasiodiplodan against DNA damage and inflammation induced by doxorubicin in rats: Cytogenetic and gene expression assays. Toxicology, 2017, 376, 66-74.	2.0	18
26	Effects of Lead Exposure and Genetic Polymorphisms on ALAD and GPx Activities in Brazilian Battery Workers. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2015, 78, 1073-1081.	1.1	17
27	Adaptive epigenetic response of glutathione (GSH)-related genes against lead (Pb)-induced toxicity, in individuals chronically exposed to the metal. Chemosphere, 2021, 269, 128758.	4.2	15
28	Effect of annatto on micronuclei induction by direct and indirect mutagens in HepG2 cells. Environmental and Molecular Mutagenesis, 2009, 50, 808-814.	0.9	13
29	Induction of nuclear anomalies in exfoliated buccal cells of coca chewers: results of a field study. Archives of Toxicology, 2013, 87, 529-534.	1.9	13
30	Polymorphisms of genes related to metabolism of lead (Pb) are associated with the metal body burden and with biomarkers of oxidative stress. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2018, 836, 42-46.	0.9	13
31	Analysis of the cytotoxic, genotoxic, mutagenic, and pro-oxidant effect of synephrine, a component of thermogenic supplements, in human hepatic cells in vitro. Toxicology, 2019, 422, 25-34.	2.0	12
32	Association Between miR-148a and DNA Methylation Profile in Individuals Exposed to Lead (Pb). Frontiers in Genetics, 2021, 12, 620744.	1.1	12
33	Antigenotoxic Properties of Chlorophyll b Against Cisplatin-Induced DNA Damage and its Relationship with Distribution of Platinum and Magnesium In Vivo. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2013, 76, 345-353.	1.1	11
34	Excision Repair Cross-Complementation group 1 (ERCC1) C118T SNP does not affect cellular response to oxaliplatin. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2014, 759, 37-44.	0.4	11
35	Calibration for the determination of 19 trace elements in serum and urine. Toxicological and Environmental Chemistry, 2018, 100, 395-412.	0.6	11
36	Genetic Effects of eNOS Polymorphisms on Biomarkers Related to Cardiovascular Status in a Population Coexposed to Methylmercury and Lead. Archives of Environmental Contamination and Toxicology, 2015, 69, 173-180.	2.1	10

#	Article	IF	Citations
37	Bixin protects hepatocytes against 1,2-dimethylhydrazine-induced genotoxicity but does not suppress DNA damage and pre-neoplastic lesions in the colon of Wistar rats. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 759, 37-42.	0.9	8
38	Milk and Dairy Products Intake Is Associated with Low Levels of Lead (Pb) in Workers highly Exposed to the Metal. Biological Trace Element Research, 2017, 178, 29-35.	1.9	8
39	Associations of polymorphisms in the cytokine genes IL1Î² (rs16944), IL6 (rs1800795), IL12b (rs3212227) and growth factor VEGFA (rs2010963) with anthracosilicosis in coal miners in Russia and related genotoxic effects. Mutagenesis, 2018, 33, 129-135.	1.0	8
40	Evaluation of cytoprotective effects of compounds isolated from Copaifera langsdorffii Desf. against induced cytotoxicity by exposure to methylmercury and lead. Natural Product Research, 2020, 34, 2528-2532.	1.0	8
41	Genotoxic Effects of Water from SÃ£o Francisco River, Brazil, in Astyanax paranae. Bulletin of Environmental Contamination and Toxicology, 2014, 93, 274-279.	1.3	7
42	Long-term genotoxic effects of immunosuppressive drugs on lymphocytes of kidney transplant recipients. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2016, 806, 47-52.	0.9	3
43	Metal and Metalloid-Induced Oxidative Damage: Biological Importance of Potential Antioxidants. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-2.	1.9	3
44	p-synephrine induces transcriptional changes via the cAMP/PKA pathway but not cytotoxicity or mutagenicity in human gastrointestinal cells. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2021, 84, 196-212.	1.1	2
45	Free radical scavenging and antioxidant potential of Lutein preventing the induced DNA damage in HepG2 cells. Toxicology Letters, 2010, 196, S165.	0.4	0
46	Processing of raw rice grains (Oryza sativa L.) influences the concentration of arsenic species in Brazilian cultivars. Arsenic in the Environment Proceedings, 2014, , 455-457.	0.0	0