

Maria João Silva

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,846
citations

304743

22
h-index

276875

41
g-index

70
all docs

70
docs citations

70
times ranked

2823
citing authors

#	ARTICLE	IF	CITATIONS
1	Intra- and inter-laboratory variation in the scoring of micronuclei and nucleoplasmic bridges in binucleated human lymphocytes. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003, 534, 45-64.	1.7	159
2	Human biomonitoring in health risk assessment in Europe: Current practices and recommendations for the future. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 727-737.	4.3	124
3	Towards a nanospecific approach for risk assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 80, 46-59.	2.7	109
4	Genotoxicity evaluation of nanosized titanium dioxide, synthetic amorphous silica and multi-walled carbon nanotubes in human lymphocytes. <i>Toxicology in Vitro</i> , 2014, 28, 60-69.	2.4	106
5	High throughput toxicity screening and intracellular detection of nanomaterials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017, 9, e1413.	6.1	101
6	Ochratoxin A-induced cytotoxicity, genotoxicity and reactive oxygen species in kidney cells: An integrative approach of complementary endpoints. <i>Food and Chemical Toxicology</i> , 2016, 87, 65-76.	3.6	88
7	On the toxicity of cellulose nanocrystals and nanofibrils in animal and cellular models. <i>Cellulose</i> , 2020, 27, 5509-5544.	4.9	70
8	Morphological and ultrastructural effects of microcystin-LR from <i>Microcystis aeruginosa</i> extract on a kidney cell line. <i>Toxicol</i> , 2009, 54, 283-294.	1.6	66
9	Challenges in risk assessment of multiple mycotoxins in food. <i>World Mycotoxin Journal</i> , 2016, 9, 791-811.	1.4	57
10	Setting up a collaborative European human biological monitoring study on occupational exposure to hexavalent chromium. <i>Environmental Research</i> , 2019, 177, 108583.	7.5	53
11	Comparative analysis of the mutagenic activity of oxaliplatin and cisplatin in the Hprt gene of CHO cells. <i>Environmental and Molecular Mutagenesis</i> , 2005, 46, 104-115.	2.2	50
12	The hCOMET project: International database comparison of results with the comet assay in human biomonitoring. Baseline frequency of DNA damage and effect of main confounders. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 787, 108371.	5.5	45
13	Comparative study of the cytotoxic effect of microcystin-LR and purified extracts from <i>Microcystis aeruginosa</i> on a kidney cell line. <i>Toxicol</i> , 2009, 53, 487-495.	1.6	44
14	Microcystin-LR activates the ERK1/2 kinases and stimulates the proliferation of the monkey kidney-derived cell line Vero-E6. <i>Toxicology in Vitro</i> , 2010, 24, 1689-1695.	2.4	44
15	Genotoxicity of synthetic amorphous silica nanoparticles in rats following short-term exposure. Part 1: Oral route. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 218-227.	2.2	43
16	Evaluation of the cytotoxic and genotoxic effects of benchmark multi-walled carbon nanotubes in relation to their physicochemical properties. <i>Toxicology Letters</i> , 2016, 262, 123-134.	0.8	40
17	Evaluating the genotoxicity of cellulose nanofibrils in a co-culture of human lung epithelial cells and monocyte-derived macrophages. <i>Toxicology Letters</i> , 2018, 291, 173-183.	0.8	39
18	HBM4EU chromates study - Overall results and recommendations for the biomonitoring of occupational exposure to hexavalent chromium. <i>Environmental Research</i> , 2022, 204, 111984.	7.5	32

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19	Dose dependence of radiation-induced micronuclei in cytokinesis-blocked human lymphocytes. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1994, 322, 117-128.	1.2	30
20	A multi-endpoint approach to the combined toxic effects of patulin and ochratoxin a in human intestinal cells. Toxicology Letters, 2019, 313, 120-129.	0.8	27
21	Genotoxicity of Microcystin-LR in <i>In Vitro</i> and <i>In Vivo</i> Experimental Models. BioMed Research International, 2014, 2014, 1-9.	1.9	25
22	Integrated approach to the in vivo genotoxic effects of a titanium dioxide nanomaterial using <i>lacZ</i> plasmid-based transgenic mice. Environmental and Molecular Mutagenesis, 2014, 55, 500-509.	2.2	22
23	Cytotoxicity and genotoxicity of MWCNT-7 and crocidolite: assessment in alveolar epithelial cells versus their coculture with monocyte-derived macrophages. Nanotoxicology, 2020, 14, 479-503.	3.0	22
24	Biomarkers of effect as determined in human biomonitoring studies on hexavalent chromium and cadmium in the period 2008–2020. Environmental Research, 2021, 197, 110998.	7.5	22
25	Mutagenic activity of cisplatin in the <i>lacZ</i> plasmid-based transgenic mouse model. Environmental and Molecular Mutagenesis, 2002, 40, 283-291.	2.2	21
26	Determining oxidative and non-oxidative genotoxic effects driven by estuarine sediment contaminants on a human hepatoma cell line. Science of the Total Environment, 2014, 478, 25-35.	8.0	21
27	In vitro exposure to the next-generation plasticizer diisononyl cyclohexane-1,2-dicarboxylate (DINCH): cytotoxicity and genotoxicity assessment in human cells. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2019, 82, 526-536.	2.3	21
28	Analysis of the Characteristics and Cytotoxicity of Titanium Dioxide Nanomaterials Following Simulated In Vitro Digestion. Nanomaterials, 2020, 10, 1516.	4.1	21
29	Low frequency noise and whole-body vibration cause increased levels of sister chromatid exchange in splenocytes of exposed mice. Teratogenesis, Carcinogenesis, and Mutagenesis, 2002, 22, 195-203.	0.8	20
30	Multi-mycotoxin determination in baby foods and in vitro combined cytotoxic effects of aflatoxin M1 and ochratoxin A. World Mycotoxin Journal, 2013, 6, 375-388.	1.4	19
31	Chlorinated Polycyclic Aromatic Hydrocarbons Associated with Drinking Water Disinfection: Synthesis, Formation under Aqueous Chlorination Conditions and Genotoxic Effects. Polycyclic Aromatic Compounds, 2014, 34, 356-371.	2.6	19
32	Fibrous shape underlies the mutagenic and carcinogenic potential of nanosilver while surface chemistry affects the biosafety of iron oxide nanoparticles. Mutagenesis, 2017, 32, 193-202.	2.6	19
33	HBM4EU chromates study - Reflection and lessons learnt from designing and undertaking a collaborative European biomonitoring study on occupational exposure to hexavalent chromium. International Journal of Hygiene and Environmental Health, 2021, 234, 113725.	4.3	17
34	A human biomonitoring (HBM) Global Registry Framework: Further advancement of HBM research following the FAIR principles. International Journal of Hygiene and Environmental Health, 2021, 238, 113826.	4.3	17
35	Increased levels of sister chromatid exchanges in military aircraft pilots. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1999, 441, 129-134.	1.7	16
36	Combined cytotoxic and genotoxic effects of ochratoxin A and fumonisin B1 in human kidney and liver cell models. Toxicology in Vitro, 2020, 68, 104949.	2.4	16

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37	Biological impact of metal nanomaterials in relation to their physicochemical characteristics. <i>Toxicology in Vitro</i> , 2019, 56, 172-183.	2.4	14
38	HBM4EU Occupational Biomonitoring Study on e-Waste”Study Protocol. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12987.	2.6	14
39	Toxicity screening of a novel poly(methylmethacrylate)-Eudragit nanocarrier on L929 fibroblasts. <i>Toxicology Letters</i> , 2017, 276, 129-137.	0.8	13
40	HBM4EU Chromates Study: Determinants of Exposure to Hexavalent Chromium in Plating, Welding and Other Occupational Settings. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3683.	2.6	13
41	Human hepatoma cells exposed to estuarine sediment contaminant extracts permitted the differentiation between cytotoxic and pro-mutagenic fractions. <i>Environmental Pollution</i> , 2014, 185, 141-148.	7.5	12
42	Analysis of the In Vitro Toxicity of Nanocelluloses in Human Lung Cells as Compared to Multi-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2022, 12, 1432.	4.1	11
43	An integrative assessment to determine the genotoxic hazard of estuarine sediments: combining cell and whole-organism responses. <i>Frontiers in Genetics</i> , 2014, 5, 437.	2.3	10
44	Exploring the Potential Interference of Estuarine Sediment Contaminants with the DNA Repair Capacity of Human Hepatoma Cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015, 78, 559-570.	2.3	10
45	Conventional and novel omics-based approaches to the study of carbon nanotubes pulmonary toxicity. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 334-362.	2.2	10
46	Environmental risk assessment in a contaminated estuary: An integrated weight of evidence approach as a decision support tool. <i>Ocean and Coastal Management</i> , 2017, 143, 51-62.	4.4	9
47	HBM4EU chromates study - Usefulness of measurement of blood chromium levels in the assessment of occupational Cr(VI) exposure.. <i>Environmental Research</i> , 2022, 214, 113758.	7.5	7
48	Sister chromatid exchange analysis in workers exposed to noise and vibration. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1996, 369, 113-121.	1.2	6
49	Mutagenic effects of poly (ADP-ribose) polymerase-1 deficiency in transgenic mice. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 640, 82-88.	1.0	6
50	Human exposure to indoor radon: a survey in the region of Guarda, Portugal. <i>Radiation Protection Dosimetry</i> , 2013, 154, 237-244.	0.8	6
51	Functional effects of differentially expressed microRNAs in A549 cells exposed to MWCNT-7 or crocidolite. <i>Toxicology Letters</i> , 2020, 328, 7-18.	0.8	6
52	Investigation of the genotoxicity of digested titanium dioxide nanomaterials in human intestinal cells. <i>Food and Chemical Toxicology</i> , 2022, 161, 112841.	3.6	6
53	HBM4EU Chromates Study: Urinary Metabolomics Study of Workers Exposed to Hexavalent Chromium. <i>Metabolites</i> , 2022, 12, 362.	2.9	5
54	Genotoxicity of Three Micro/Nanocelluloses with Different Physicochemical Characteristics in MG-63 and V79 Cells. <i>Journal of Xenobiotics</i> , 2022, 12, 91-108.	6.7	4

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55	Poly (ADP-ribose) polymerase-1 deficiency does not affect ethylnitrosourea mutagenicity in liver and testis of <i>lacZ</i> transgenic mice. <i>Environmental and Molecular Mutagenesis</i> , 2010, 51, 322-329.	2.2	3
56	Role of Nanogenotoxicology Studies in Safety Evaluation of Nanomaterials. , 2015, , 263-287.		3
57	Cellular and Molecular Mechanisms of Toxicity of Ingested Titanium Dioxide Nanomaterials. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1357, 225-257.	1.6	3
58	New "Omics" Approaches as Tools to Explore Mechanistic Nanotoxicology. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1357, 179-194.	1.6	3
59	Environmental Tobacco Smoke in Occupational Settings: Effect and Susceptibility Biomarkers in Workers From Lisbon Restaurants and Bars. <i>Frontiers in Public Health</i> , 2021, 9, 674142.	2.7	2
60	Overview of Adverse Outcome Pathways and Current Applications on Nanomaterials. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1357, 415-439.	1.6	2
61	A contribution to hazard assessment of combined exposure to mycotoxins using in vitro toxicity testing. <i>Toxicology Letters</i> , 2015, 238, S352-S353.	0.8	1
62	Hazard Assessment of Benchmark Metal-Based Nanomaterials Through a Set of In Vitro Genotoxicity Assays. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1357, 351-375.	1.6	1
63	The LacZ Plasmid-Based Transgenic Mouse Model: An Integrative Approach to Study the Genotoxicity of Nanomaterials. <i>Methods in Pharmacology and Toxicology</i> , 2014, , 451-477.	0.2	0
64	Hazard assessment of benchmark metallic nanomaterials in alveolar epithelial cells. <i>Toxicology Letters</i> , 2017, 280, S186.	0.8	0
65	Stimulation of RAC1/PAK1 signalling upregulates DNA damage repair genes via the BCL6/STAT5-switch. <i>Annals of Oncology</i> , 2017, 28, v19-v20.	1.2	0