

# Isabel Gaivao

## List of Publications by Year in descending order

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75  
papers

2,567  
citations

279798

23  
h-index

197818

49  
g-index

79  
all docs

79  
docs citations

79  
times ranked

3795  
citing authors

#	ARTICLE	IF	CITATIONS
1	The comet assay: topical issues. <i>Mutagenesis</i> , 2008, 23, 143-151.	2.6	811
2	Comet assay to measure DNA repair: approach and applications. <i>Frontiers in Genetics</i> , 2014, 5, 288.	2.3	130
3	European eel ( <i>Anguilla anguilla</i> ) genotoxic and pro-oxidant responses following short-term exposure to Roundup(R)-a glyphosate-based herbicide. <i>Mutagenesis</i> , 2010, 25, 523-530.	2.6	118
4	DNA damage in fish ( <i>Anguilla anguilla</i> ) exposed to a glyphosate-based herbicide – Elucidation of organ-specificity and the role of oxidative stress. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 743, 1-9.	1.7	104
5	Aging and DNA damage in humans: a meta-analysis study. <i>Aging</i> , 2014, 6, 432-439.	3.1	96
6	Twelve-gel slide format optimised for comet assay and fluorescent in situ hybridisation. <i>Toxicology Letters</i> , 2010, 195, 31-34.	0.8	87
7	Comet assay-based methods for measuring DNA repair in vitro; estimates of inter- and intra-individual variation. <i>Cell Biology and Toxicology</i> , 2009, 25, 45-52.	5.3	86
8	Differential genotoxicity of Roundup® formulation and its constituents in blood cells of fish ( <i>Anguilla anguilla</i> ): considerations on chemical interactions and DNA damaging mechanisms. <i>Ecotoxicology</i> , 2012, 21, 1381-1390.	2.4	82
9	Supplementation of a western diet with golden kiwifruits ( <i>Actinidia chinensis</i> var.'Hort 16A:') effects on biomarkers of oxidation damage and antioxidant protection. <i>Nutrition Journal</i> , 2011, 10, 54.	3.4	61
10	Effects of combined physical exercise training on DNA damage and repair capacity: role of oxidative stress changes. <i>Age</i> , 2015, 37, 9799.	3.0	57
11	DNA base excision repair as a biomarker in molecular epidemiology studies. <i>Molecular Aspects of Medicine</i> , 2007, 28, 307-322.	6.4	56
12	Comet assay reveals no genotoxicity risk of cationic solid lipid nanoparticles. <i>Journal of Applied Toxicology</i> , 2014, 34, 395-403.	2.8	45
13	DNA and chromosomal damage induced in fish ( <i>Anguilla anguilla</i> L.) by aminomethylphosphonic acid (AMPA) – the major environmental breakdown product of glyphosate. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8730-8739.	5.3	44
14	The w/w+ SMART assay of <i>Drosophila melanogaster</i> detects the genotoxic effects of reactive oxygen species inducing compounds. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 440, 139-145.	1.7	35
15	Pb low doses induced genotoxicity in <i>Lactuca sativa</i> plants. <i>Plant Physiology and Biochemistry</i> , 2017, 112, 109-116.	5.8	33
16	An optimized comet-based in vitro DNA repair assay to assess base and nucleotide excision repair activity. <i>Nature Protocols</i> , 2020, 15, 3844-3878.	12.0	33
17	<i>Drosophila</i> comet assay: insights, uses, and future perspectives. <i>Frontiers in Genetics</i> , 2014, 5, 304.	2.3	32
18	Progression of DNA damage induced by a glyphosate-based herbicide in fish ( <i>Anguilla anguilla</i> ) upon exposure and post-exposure periods – Insights into the mechanisms of genotoxicity and DNA repair. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 166, 126-133.	2.6	31

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19	Are DNA-damaging effects induced by herbicide formulations (Roundup® and Carlon®) in fish transient and reversible upon cessation of exposure?. <i>Aquatic Toxicology</i> , 2014, 155, 213-221.	4.0	31
20	Valorization of Winemaking By-Products as a Novel Source of Antibacterial Properties: New Strategies to Fight Antibiotic Resistance. <i>Molecules</i> , 2021, 26, 2331.	3.8	31
21	Meloxicam in the treatment of in vitro and in vivo models of urinary bladder cancer. <i>Biomedicine and Pharmacotherapy</i> , 2013, 67, 277-284.	5.6	28
22	Influence of aerobic fitness on age-related lymphocyte DNA damage in humans: relationship with mitochondria respiratory chain and hydrogen peroxide production. <i>Age</i> , 2010, 32, 337-346.	3.0	25
23	<i>Salix alba</i> (white willow) medicinal plant presents genotoxic effects in human cultured leukocytes. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2019, 82, 1223-1234.	2.3	24
24	Everolimus Enhances Gemcitabine-Induced Cytotoxicity in Bladder-Cancer Cell Lines. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012, 75, 788-799.	2.3	22
25	Intervention with a combined physical exercise training to reduce oxidative stress of women over 40 years of age. <i>Experimental Gerontology</i> , 2019, 123, 1-9.	2.8	22
26	A Note on Regulatory Concerns and Toxicity Assessment in Lipid-Based Delivery Systems (LDS). <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 317-322.	1.1	21
27	Assessment of chromosomal damage induced by a deltamethrin-based insecticide in fish ( <i>Anguilla</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo <i>Physiology</i> , 2014, 113, 40-46.	3.6	21
28	How can age and lifestyle variables affect DNA damage, repair capacity and endogenous biomarkers of oxidative stress?. <i>Experimental Gerontology</i> , 2015, 62, 45-52.	2.8	21
29	HPV16 induces penile intraepithelial neoplasia and squamous cell carcinoma in transgenic mice: first mouse model for HPV-related penile cancer. <i>Journal of Pathology</i> , 2020, 251, 411-419.	4.5	19
30	Genotoxicity evaluation of the herbicide Carlon® and its active ingredient (triclopyr) in fish ( <i>Anguilla anguilla</i> L.) using the comet assay. <i>Environmental Toxicology</i> , 2015, 30, 1073-1081.	4.0	17
31	Evidences of DNA and chromosomal damage induced by the mancozeb-based fungicide Mancozan® in fish ( <i>Anguilla anguilla</i> L.). <i>Pesticide Biochemistry and Physiology</i> , 2016, 133, 52-58.	3.6	16
32	Citral presents cytotoxic and genotoxic effects in human cultured cells. <i>Drug and Chemical Toxicology</i> , 2020, 43, 435-440.	2.3	16
33	Dietary Supplementation with Chestnut ( <i>Castanea sativa</i> ) Reduces Abdominal Adiposity in FVB/n Mice: A Preliminary Study. <i>Biomedicines</i> , 2020, 8, 75.	3.2	15
34	The w/w+ somatic mutation and recombination test (SMART) of <i>Drosophila melanogaster</i> for detecting reactive oxygen species: characterization of 6 strains. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1996, 360, 145-151.	0.4	14
35	Titanium dioxide nanoparticles: Toxicity and genotoxicity in <i>Drosophila melanogaster</i> (SMART eye-spot) Tj ETQq1 1 0.784314 rgBT /Oe <i>Mutagenesis</i> , 2018, 831, 19-23.	1.7	14
36	Cytotoxic effects of <i>Euterpe oleraceae</i> fruit oil (açaçá) in rat liver and thyroid tissues. <i>Revista Brasileira De Farmacognosia</i> , 2019, 29, 54-61.	1.4	14

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37	The genotoxic effects of fruit extract of <i>Crataegus oxyacantha</i> (hawthorn) in mice. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2018, 81, 974-982.	2.3	13
38	Genotoxic effects induced by beta-myrcene following metabolism by liver HepG2/C3A human cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2019, 82, 176-185.	2.3	13
39	Ginkgo biloba L. Leaf Extract Protects HepG2 Cells Against Paraquat-Induced Oxidative DNA Damage. <i>Plants</i> , 2019, 8, 556.	3.5	13
40	Risk assessment via genotoxicity, metabolism, apoptosis, and cell growth effects in a HepG2/C3A cell line upon treatment with <i>Rubus rosifolius</i> (Rosaceae) leaves extract. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2020, 83, 495-508.	2.3	13
41	Dietary Supplementation with the Red Seaweed <i>Porphyra umbilicalis</i> Protects against DNA Damage and Pre-Malignant Dysplastic Skin Lesions in HPV-Transgenic Mice. <i>Marine Drugs</i> , 2019, 17, 615.	4.6	12
42	Age-related increases in human lymphocyte DNA damage: is there a role of aerobic fitness?. <i>Cell Biochemistry and Function</i> , 2013, 31, 743-748.	2.9	11
43	The Comet assay for detection of DNA damage in canine sperm. <i>Reproduction in Domestic Animals</i> , 2017, 52, 1149-1152.	1.4	11
44	Sperm DNA damage and seminal antioxidant activity in subfertile men. <i>Andrologia</i> , 2021, 53, e14027.	2.1	11
45	Effects of Naproxen on Cell Proliferation and Genotoxicity in MG-63 Osteosarcoma Cell Line. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014, 77, 916-923.	2.3	10
46	Assessment of Dog Testis Perfusion by Colour and Pulsed-Doppler Ultrasonography and Correlation With Sperm Oxidative DNA Damage. <i>Topics in Companion Animal Medicine</i> , 2020, 41, 100452.	0.9	10
47	Red seaweeds <i>Porphyra umbilicalis</i> and <i>Grateloupia turuturu</i> display antigenotoxic and longevity-promoting potential in <i>Drosophila melanogaster</i> . <i>European Journal of Phycology</i> , 2019, 54, 519-530.	2.0	9
48	Marine macroalgae as a dietary source of genoprotection in gilthead seabream ( <i>Sparus aurata</i> ) against endogenous and exogenous challenges. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 219, 12-24.	2.6	9
49	Searching for antigenotoxic properties of marine macroalgae dietary supplementation against endogenous and exogenous challenges. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2018, 81, 939-956.	2.3	8
50	The Cyclooxygenase-2 Inhibitor Parecoxib Prevents Epidermal Dysplasia in HPV16-Transgenic Mice: Efficacy and Safety Observations. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3902.	4.1	8
51	Natural Ingredients Common in the Trás-os-Montes Region (Portugal) for Use in the Cosmetic Industry: A Review about Chemical Composition and Antigenotoxic Properties. <i>Molecules</i> , 2021, 26, 5255.	3.8	8
52	Effect of a Sub-Chronic Oral Exposure of Broccoli ( <i>Brassica oleracea</i> L. Var. <i>Italica</i> ) By-Products Flour on the Physiological Parameters of FVB/N Mice: A Pilot Study. <i>Foods</i> , 2022, 11, 120.	4.3	8
53	Research Article First cytotoxic, genotoxic, and antigenotoxic assessment of <i>Euterpe oleracea</i> fruit oil (açaçá) in cultured human cells.. <i>Genetics and Molecular Research</i> , 2017, 16, .	0.2	7
54	Seed osmopriming with PEG solutions in seeds of three infraspecific taxa of <i>Pinus nigra</i> : Impacts on germination, mitosis and nuclear DNA. <i>Forest Ecology and Management</i> , 2020, 456, 117739.	3.2	7

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55	Elucidating the mechanisms of action of parecoxib in the MG-63 osteosarcoma cell line. <i>Anti-Cancer Drugs</i> , 2020, 31, 507-517.	1.4	7
56	Macroalgae-enriched diet protects gilthead seabream ( <i>Sparus aurata</i> ) against erythrocyte population instability and chromosomal damage induced by aqua-medicines. <i>Journal of Applied Phycology</i> , 2020, 32, 1477-1493.	2.8	6
57	Red seaweeds strengthening the nexus between nutrition and health: phytochemical characterization and bioactive properties of <i>Grateloupia turuturu</i> and <i>Porphyra umbilicalis</i> extracts. <i>Journal of Applied Phycology</i> , 2021, 33, 3365-3381.	2.8	5
58	Meloxicam synergistically enhances the in vitro effects of sunitinib malate on bladder-cancer cells. <i>Journal of Applied Biomedicine</i> , 2013, 11, 79-92.	1.7	4
59	The SMART Assays of <i>Drosophila</i> : Wings and Eyes as Target Tissues. <i>Methods in Pharmacology and Toxicology</i> , 2014, , 283-295.	0.2	4
60	Effects of physical exercise training in DNA damage and repair activity in humans with different genetic polymorphisms of <i>hOGG1</i> ( <i>Ser326Cys</i> ). <i>Cell Biochemistry and Function</i> , 2015, 33, 519-524.	2.9	4
61	Oxidative Stress Function in Women over 40 Years of Age, Considering Their Lifestyle. <i>Frontiers in Endocrinology</i> , 2017, 8, 48.	3.5	4
62	Comparative genoprotection ability of wild-harvested vs. aqua-cultured <i>Ulva rigida</i> coupled with phytochemical profiling. <i>European Journal of Phycology</i> , 2021, 56, 105-118.	2.0	4
63	Evaluation of copper-induced DNA damage in <i>Vitis vinifera</i> L. using Comet-FISH. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6600-6610.	5.3	4
64	Use of the Comet Assay to Study DNA Repair in <i>Drosophila melanogaster</i> . <i>Methods in Pharmacology and Toxicology</i> , 2014, , 397-412.	0.2	3
65	A Standardized Protocol for the In Vitro Comet-Based DNA Repair Assay. <i>Methods in Pharmacology and Toxicology</i> , 2014, , 377-395.	0.2	3
66	Toxicological and anti-tumor effects of a linden extract ( <i>Tilia platyphyllos</i> Scop.) in a HPV16-transgenic mouse model. <i>Food and Function</i> , 2021, 12, 4005-4014.	4.6	3
67	Anthocyanins-loaded Eudragit® L100 nanoparticles: in vitro cytotoxic and genotoxic analysis. <i>Genetics and Molecular Research</i> , 2018, 17, .	0.2	2
68	Hepatic and splenic cytotoxic evaluation after <i>Crataegus oxyacantha</i> fruit extract administration on mice. <i>Journal of Histology and Histopathology</i> , 2019, 6, 10.	0.4	2
69	A pooled analysis of molecular epidemiological studies on modulation of DNA repair by host factors. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 876-877, 503447.	1.7	2
70	In vivo toxicogenic potential of <i>Salix alba</i> (Salicaceae) bark extract. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2021, , 1-10.	2.3	1
71	<i>Platanus hybrida</i> 's Phenolic Profile, Antioxidant Power, and Antibacterial Activity against Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA). <i>Horticulturae</i> , 2022, 8, 243.	2.8	1
72	Genoprotection and metabolic benefits of marine macroalgae - Insights into the concept of functional foods through direct and indirect consumption. <i>Food Bioscience</i> , 2022, 47, 101649.	4.4	1

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73	The Red Seaweed <i>Grateloupia turuturu</i> Prevents Epidermal Dysplasia in HPV16-Transgenic Mice. <i>Nutrients</i> , 2021, 13, 4529.	4.1	1
74	Novel formats for the comet assay. <i>Toxicology Letters</i> , 2013, 221, S189.	0.8	0
75	The <i>Drosophila melanogaster</i> Somatic Mutation and Recombination Test (SMART) of <i>Drosophila melanogaster</i> for Detecting Antigenotoxic Activity. , 0, , .		0