

Sandra GÃ³mez-Arroyo

List of Publications by Year in descending order

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53
papers

1,450
citations

331259

21
h-index

329751

37
g-index

55
all docs

55
docs citations

55
times ranked

1812
citing authors

#	ARTICLE	IF	CITATIONS
1	The HUman MicroNucleus project on eXfoLiated buccal cells (HUMNXL): The role of life-style, host factors, occupational exposures, health status, and assay protocol. Mutation Research - Reviews in Mutation Research, 2011, 728, 88-97.	2.4	310
2	Cytogenetic biomonitoring in a Mexican floriculture worker group exposed to pesticides. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 466, 117-124.	0.9	113
3	Genotoxic biomonitoring of agricultural workers exposed to pesticides in the north of Sinaloa State, Mexico. Environment International, 2009, 35, 1155-1159.	4.8	71
4	Evaluation of Genotoxic and Cytotoxic Effects in Human Peripheral Blood Lymphocytes Exposed In Vitro to Neonicotinoid Insecticides News. Journal of Toxicology, 2012, 2012, 1-11.	1.4	71
5	Composition and mutagenicity of PAHs associated with urban airborne particles in Córdoba, Argentina. Environmental Pollution, 2013, 178, 403-410.	3.7	58
6	Biomonitoring of agricultural workers exposed to pesticide mixtures in Guerrero state, Mexico, with comet assay and micronucleus test. Environmental Science and Pollution Research, 2016, 23, 2513-2520.	2.7	58
7	Antimutagenicity of coriander (<i>Coriandrum sativum</i>) juice on the mutagenesis produced by plant metabolites of aromatic amines. Toxicology Letters, 2004, 153, 283-292.	0.4	45
8	The effects of organophosphorus insecticides and heavy metals on DNA damage and programmed cell death in two plant models. Environmental Pollution, 2018, 240, 77-86.	3.7	43
9	Biodirected mutagenic chemical assay of PM10 extractable organic matter in Southwest Mexico City. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 634, 192-204.	0.9	39
10	In vitro and occupational induction of sister-chromatid exchanges in human lymphocytes with furfuryl alcohol and furfural. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1985, 156, 233-238.	1.2	38
11	Genotoxic activity of environmentally important polycyclic aromatic hydrocarbons and their nitro derivatives in the wing spot test of <i>Drosophila melanogaster</i> . Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1995, 341, 235-247.	1.2	38
12	Aflatoxin (B ₁ , B ₂ , G ₁ , and G ₂) Contamination in Rice of Mexico and Spain, from Local Sources or Imported. Journal of Food Science, 2013, 78, T1822-9.	1.5	38
13	Mutagenicity assessment of airborne particles in Mexico City. Atmospheric Environment, 1995, 29, 517-524.	1.9	37
14	Mutagenicity and polycyclic aromatic hydrocarbons associated with extractable organic matter from airborne particles $\leq 10\frac{1}{2}\mu\text{m}$ in southwest Mexico City. Atmospheric Environment, 2006, 40, 5845-5857.	1.9	37
15	Solvent extracted organic matter and polycyclic aromatic hydrocarbons distributed in size-segregated airborne particles in a zone of Mexico City: Seasonal behavior and human exposure. Atmospheric Environment, 2010, 44, 122-130.	1.9	29
16	Sister-chromatid exchange analysis in a rural population of Mexico exposed to pesticides. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1992, 281, 173-179.	1.2	28
17	Sister chromatid exchanges in <i>Vicia faba</i> induced by arsenic-contaminated drinking water from Zimapan, Hidalgo, Mexico. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1997, 394, 1-7.	0.9	27
18	Genotoxicity of organic extracts of airborne particles in somatic cells of <i>Drosophila melanogaster</i> . Chemosphere, 1999, 39, 33-43.	4.2	25

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19	Metabolic activation of herbicide products by <i>Vicia faba</i> detected in human peripheral lymphocytes using alkaline single cell gel electrophoresis. <i>Toxicology in Vitro</i> , 2007, 21, 1143-1154.	1.1	24
20	The microRNAs as potential biomarkers for predicting the onset of aflatoxin exposure in human beings: a review. <i>Frontiers in Microbiology</i> , 2014, 5, 102.	1.5	24
21	Sister-chromatid exchanges induced by some chromium compounds in human lymphocytes in vitro. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1981, 90, 425-431.	1.2	21
22	The effects of seasonal weather on the genotoxicity, cytokinetic properties, cytotoxicity and organochemical content of extracts of airborne particulates in Mexico City. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004, 558, 7-17.	0.9	20
23	Effects of Atrazine and Fenoxaprop-Ethyl on Capacitation and the Acrosomal Reaction in Boar Sperm. <i>International Journal of Toxicology</i> , 2009, 28, 24-32.	0.6	18
24	Promutagen activation of triazine herbicides metribuzin and ametryn through <i>Vicia faba</i> metabolism inducing sister chromatid exchanges in human lymphocytes in vitro and in <i>V. faba</i> root tip meristems. <i>Toxicology in Vitro</i> , 2005, 19, 243-251.	1.1	17
25	In vivo and in vitro promutagen activation by <i>Vicia faba</i> of thiocarbamate herbicides molinate and butylate to products inducing sister chromatid exchanges in human lymphocyte cultures. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 438, 81-88.	0.9	16
26	Induction of sister-chromatid exchanges in <i>Vicia faba</i> by arsenic-contaminated drinking water. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1988, 208, 219-224.	1.2	13
27	Chromosomal alterations induced by some chromium salts.. <i>Cytologia</i> , 1983, 48, 185-193.	0.2	12
28	Sister chromatid exchange in human lymphocytes induced by propoxur following plant activation by <i>Vicia faba</i> . <i>Environmental and Molecular Mutagenesis</i> , 1995, 26, 324-330.	0.9	12
29	Differential mutagenic response of <i>Salmonella typhimurium</i> to the plant-metabolized organophosphorus insecticides, phoxim and azinphos methyl. <i>Toxicology in Vitro</i> , 2007, 21, 950-955.	1.1	12
30	In situ biomonitoring of air quality in rural and urban environments of Mexico Valley through genotoxicity evaluated in wild plants. <i>Atmospheric Pollution Research</i> , 2018, 9, 119-125.	1.8	12
31	Indicators of environmental contamination by heavy metals in leaves of <i>Taraxacum officinale</i> in two zones of the metropolitan area of Mexico City. <i>Environmental Science and Pollution Research</i> , 2018, 25, 4739-4749.	2.7	11
32	Evaluation of the genotoxic potential of dimethyl sulfoxide (DMSO) in meristematic cells of the root of <i>Vicia faba</i> . <i>Toxicology and Environmental Health Sciences</i> , 2012, 4, 154-160.	1.1	10
33	The role of plant metabolism in the mutagenic and cytotoxic effects of four organophosphorus insecticides in <i>Salmonella typhimurium</i> and in human cell lines. <i>Chemosphere</i> , 2013, 92, 1117-1125.	4.2	10
34	Genotoxic evaluation of common commercial pesticides in human peripheral blood lymphocytes. <i>Toxicology and Industrial Health</i> , 2017, 33, 938-945.	0.6	10
35	Chromosomal alterations induced in <i>Vicia faba</i> by different industrial solvents: Thinner, toluene, benzene, n-hexane, n-heptane, and ethyl acetate.. <i>Cytologia</i> , 1986, 51, 133-142.	0.2	9
36	Cytogenetic study of metronidazole and three metronidazole analogues in cultured human lymphocytes with and without metabolic activation. <i>Toxicology in Vitro</i> , 2004, 18, 319-324.	1.1	9

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37	<i>In vitro</i> cytotoxicity and genotoxicity of Furia^Â180 SC (zeta-cypermethrin) and Bulldock 125^ÂSC (Î²-cyfluthrin) pyrethroid insecticides in human peripheral blood lymphocytes. Toxicology Mechanisms and Methods, 2018, 28, 268-278.	1.3	9
38	Metabolic activation of three arylamines and two organophosphorus insecticides by coriander (Coriandrum sativum) a common edible vegetable. Toxicology Letters, 2001, 125, 39-49.	0.4	8
39	Mutagenicity assessment of aflatoxin B1 exposed to essential oils. LWT - Food Science and Technology, 2021, 140, 110622.	2.5	8
40	Vicia-faba - Sister chromatid exchanges of the organophosphorus insecticides methyl parathion, dimethoate, oxydemeton methyl, azinphos methyl and phoxim.. Cytologia, 1988, 53, 627-634.	0.2	7
41	Organochlorine Pesticide Levels in Blood Serum Samples Taken at Autopsy from Auto Accident Victims in Veracruz, Mexico. Archives of Environmental Health, 2004, 59, 441-448.	0.4	7
42	Genotoxic effects of the carbamate insecticide Pirimor-50Â® in Vicia faba root tip meristems and human lymphocyte culture after direct application and treatment with its metabolic extracts. Arhiv Za Higijenu Rada I Toksikologiju, 2016, 67, 266-276.	0.4	6
43	Assessment of genotoxicity of Lannate-90Â® and its plant and animal metabolites in human lymphocyte cultures. Arhiv Za Higijenu Rada I Toksikologiju, 2016, 67, 116-125.	0.4	6
44	Cytogenotoxicity of selected organophosphate insecticides on HaCaT keratinocytes and NL-20 human bronchial cells. Chemosphere, 2016, 145, 174-184.	4.2	5
45	COMPARISON OF ORGANOCHLORINE PESTICIDE LEVELS BETWEEN HUMAN BLOOD SERUM AND ADIPOSE TISSUE. Revista Internacional De Contaminacion Ambiental, 2017, 33, 393-401.	0.1	5
46	Cytological detection of somatic mutations in Tradescantia induced by ethanol.. Cytologia, 1986, 51, 211-218.	0.2	4
47	A Thermo-Cavitation Method to Determine Organochlorine Pesticides in Gas and Particle Phases Collected in Polyurethane Foam Used in Passive Air Samplers. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	4
48	Moss (Hypnum amabile) as biomonitor of genotoxic damage and as bioaccumulator of atmospheric pollutants at five different sites of Mexico City and metropolitan area. Environmental Science and Pollution Research, 2021, 28, 9849-9863.	2.7	4
49	Cytogenetic Evaluation of the Effects of Chromium and Detergents in Vicia faba.. Cytologia, 1993, 58, 41-45.	0.2	3
50	Robinsonecio gerberifolius as a sentinel organism for atmospheric pollution by heavy metals in several sites of Mexico city and its metropolitan area. Environmental Science and Pollution Research, 2021, 28, 31032-31042.	2.7	3
51	Genetic Monitoring of Airborne Particles. , 2001, , 457-486.		3
52	Biomonitoring of Pesticides by Plant Metabolism: An Assay Based on the Induction of Sister-Chromatid Exchanges in Human Lymphocyte Cultures by Promutagen Activation of Vicia faba. , 2001, , 439-455.		2
53	EVALUACIÃ“N DE LA CITOGENOTOXICIDAD DE UNA CERVEZA ELABORADA INDUSTRIALMENTE Y UNA CERVEZA DE ELABORACIÃ“N ARTESANAL. BIOCYT BiologÃa Ciencia Y TecnologÃa, 2016, 9, .	0.1	1