

Patricia P Ostrosky-Wegman

List of Publications by Year
in descending order

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108
papers

4,275
citations

126907

33
h-index

128289

60
g-index

111
all docs

111
docs citations

111
times ranked

5023
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. <i>Carcinogenesis</i> , 2015, 36, S254-S296.	2.8	239
2	Cyclophosphamide: Review of its mutagenicity for an assessment of potential germ cell risks. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1995, 330, 115-181.	1.0	235
3	Is metronidazole carcinogenic?. <i>Mutation Research - Reviews in Mutation Research</i> , 2002, 511, 133-144.	5.5	228
4	Altered profile of urinary arsenic metabolites in adults with chronic arsenicism. <i>Archives of Toxicology</i> , 1997, 71, 211-217.	4.2	181
5	Cytogenetic effects in human exposure to arsenic. <i>Mutation Research - Reviews in Mutation Research</i> , 1997, 386, 219-228.	5.5	166
6	Disruption of microtubule assembly and spindle formation as a mechanism for the induction of aneuploid cells by sodium arsenite and vanadium pentoxide. <i>Mutation Research - Reviews in Mutation Research</i> , 1997, 386, 291-298.	5.5	153
7	Are metals dietary carcinogens?. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 443, 157-181.	1.7	146
8	Micronuclei and pesticide exposure. <i>Mutagenesis</i> , 2011, 26, 19-26.	2.6	116
9	Aneugenic effect of sodium arsenite on human lymphocytes in vitro: an individual susceptibility effect detected. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1995, 334, 365-373.	0.4	103
10	Effect of chemical composition on the induction of DNA damage by urban airborne particulate matter. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 199-211.	2.2	102
11	Sodium arsenite impairs insulin secretion and transcription in pancreatic Î²-cells. <i>Toxicology and Applied Pharmacology</i> , 2006, 214, 30-34.	2.8	101
12	Arsenic-induced alteration in the expression of genes related to type 2 diabetes mellitus. <i>Toxicology and Applied Pharmacology</i> , 2007, 225, 123-133.	2.8	93
13	“Monoallelic germline methylation and sequence variant in the promoter of the RB1 gene: a possible constitutive epimutation in hereditary retinoblastoma” <i>Clinical Epigenetics</i> , 2016, 8, 1.	4.1	93
14	Mitotic index and cell proliferation kinetics for identification of antineoplastic activity. <i>Anti-Cancer Drugs</i> , 1993, 4, 637-640.	1.4	90
15	DNA damage in exfoliated buccal cells of smokers assessed by the single cell gel electrophoresis assay. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1996, 370, 115-120.	1.2	86
16	DNA damage in leukocytes and buccal and nasal epithelial cells of individuals exposed to air pollution in Mexico City. , 1997, 30, 147-152.		83
17	Role of infectious diseases in human carcinogenesis. <i>Environmental and Molecular Mutagenesis</i> , 2005, 45, 284-303.	2.2	78
18	Altered Urinary Porphyrin Excretion in a Human Population Chronically Exposed to Arsenic in Mexico. <i>Human and Experimental Toxicology</i> , 1994, 13, 839-847.	2.2	67

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19	Sodium Arsenite Reduces Proliferation of Human Activated T-Cells by Inhibition of the Secretion of Interleukin-2. <i>Immunopharmacology and Immunotoxicology</i> , 1999, 21, 203-220.	2.4	66
20	Genotoxicity of vanadium pentoxide evaluate by the single cell gel electrophoresis assay in human lymphocytes. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1996, 359, 77-84.	0.4	63
21	Biomonitoring of metal in children living in a mine tailings zone in Southern Mexico: A pilot study. <i>International Journal of Hygiene and Environmental Health</i> , 2010, 213, 252-258.	4.3	63
22	Cytotoxic and genotoxic effects of As, MMA, and DMA on leukocytes and stimulated human lymphocytes. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 2001, 21, 249-260.	0.8	60
23	Arsenite reduces insulin secretion in rat pancreatic β -cells by decreasing the calcium-dependent calpain-10 proteolysis of SNAP-25. <i>Toxicology and Applied Pharmacology</i> , 2008, 231, 291-299.	2.8	59
24	Relation between pesticide exposure and intrauterine growth retardation. <i>Chemosphere</i> , 2004, 55, 1421-1427.	8.2	58
25	Inorganic arsenic effects on human lymphocyte stimulation and proliferation. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1992, 283, 91-95.	1.1	53
26	Genotoxic effects of metronidazole. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1996, 370, 75-80.	1.2	46
27	Sodium arsenite retards proliferation of PHA-activated T cells by delaying the production and secretion of IL-2. <i>International Immunopharmacology</i> , 2003, 3, 671-682.	3.8	46
28	Do helminths play a role in carcinogenesis?. <i>Trends in Parasitology</i> , 2001, 17, 172-175.	3.3	39
29	A Pilot Study on the Urinary Excretion of Porphyrins in Human Populations Chronically Exposed to Arsenic in Mexico. <i>Human and Experimental Toxicology</i> , 1991, 10, 189-193.	2.2	38
30	Susceptibility to genotoxic effects of niclosamide in human peripheral lymphocytes exposed in vitro and in vivo. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1986, 173, 81-87.	1.1	36
31	DNA damage in peripheral blood lymphocytes in patients during combined chemotherapy for breast cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 640, 8-15.	1.0	36
32	Effects of arsenic on adipocyte metabolism: Is arsenic an obesogen?. <i>Molecular and Cellular Endocrinology</i> , 2017, 452, 25-32.	3.2	36
33	Induced mitotic death of HeLa cells by abnormal expression of c-H-ras. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1996, 349, 173-182.	1.0	35
34	Possible association between <i>Taenia solium</i> cysticercosis and cancer: increased frequency of DNA damage in peripheral lymphocytes from neurocysticercosis patients. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2000, 94, 61-65.	1.8	35
35	Are mitotic index and lymphocyte proliferation kinetics reproducible endpoints in genetic toxicology testing?. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1992, 282, 283-286.	1.1	34
36	Helper T cell subpopulations from women are more susceptible to the toxic effect of sodium arsenite in vitro. <i>Toxicology</i> , 2004, 199, 121-128.	4.2	34

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37	Role of Calpain-10 in the Development of Diabetes Mellitus and Its Complications. Archives of Medical Research, 2014, 45, 103-115.	3.3	34
38	Possible Relationship Between Neurocysticercosis and Hematological Malignancies. Archives of Medical Research, 1999, 30, 154-158.	3.3	33
39	Relationship between micronuclei formation and p53 induction. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 672, 124-128.	1.7	33
40	mRNA expression of MAGE-A3 gene in leukemia cells. Leukemia Research, 2007, 31, 33-37.	0.8	32
41	Arsenic Exposure and Calpain-10 Polymorphisms Impair the Function of Pancreatic Beta-Cells in Humans: A Pilot Study of Risk Factors for T2DM. PLoS ONE, 2013, 8, e51642.	2.5	31
42	Micronuclei induced by airborne particulate matter from Mexico City. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 631, 9-15.	1.7	29
43	Hematological, Biochemical Effects, and Self-reported Symptoms in Pesticide Retailers. Journal of Occupational and Environmental Medicine, 2011, 53, 517-521.	1.7	29
44	Development of anticancer drugs based on the hallmarks of tumor cells. Tumor Biology, 2014, 35, 3981-3995.	1.8	29
45	Immune response impairment, genotoxicity and morphological transformation induced by Taenia solium metacestode. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 305, 223-228.	1.0	27
46	Arsenic-protein interactions as a mechanism of arsenic toxicity. Toxicology and Applied Pharmacology, 2021, 431, 115738.	2.8	27
47	p53 Response to Arsenic Exposure in Epithelial Cells: Protein Kinase B/Akt Involvement. Toxicological Sciences, 2007, 99, 126-140.	3.1	26
48	In Vitro Effects of Albendazole and Its Metabolites on the Cell Proliferation Kinetics and Micronuclei Frequency of Stimulated Human Lymphocytes. Archives of Medical Research, 2001, 32, 119-122.	3.3	25
49	Determination of Amphetamine, Methamphetamine, and Hydroxyamphetamine Derivatives in Urine by Gas Chromatography-Mass Spectrometry and Its Relation to CYP2D6 Phenotype of Drug Users. Journal of Analytical Toxicology, 2007, 31, 31-36.	2.8	25
50	Mutagenic activity of urban air samples and its modulation by chili extracts. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1993, 303, 55-61.	1.1	24
51	p53 codon 72 polymorphism, DNA damage and repair, and risk of non-melanoma skin cancer. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2007, 619, 38-44.	1.0	24
52	The use of bromodeoxyuridine labeling in the human lymphocyte HGPRT somatic mutation assay. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1987, 191, 211-214.	1.1	20
53	Lymphocyte proliferation kinetics and sister-chromatid exchanges in individuals treated with metronidazole. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 305, 133-137.	1.0	20
54	Evaluation of the cytotoxicity, cytostaticity and genotoxicity of Argentatins A and B from Parthenium argentatum (Gray). Life Sciences, 2005, 77, 2855-2865.	4.3	20

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55	Thiopurine S-methyltransferase Gene (TMPT) polymorphisms in a Mexican population of healthy individuals and leukemic patients. <i>Medical Oncology</i> , 2008, 25, 56-62.	2.5	20
56	A Permethrin/Allethrin Mixture Induces Genotoxicity and Cytotoxicity in Human Peripheral Blood Lymphocytes. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015, 78, 7-14.	2.3	20
57	Effects of progesterone and estradiol on the proliferation of phytohemagglutinin-stimulated human lymphocytes. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1992, 270, 211-218.	1.0	19
58	Synthesis and comparative molecular field analysis (CoMFA) of argentatin B derivatives as growth inhibitors of human cancer cell lines. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 1889-1901.	3.0	19
59	DNA damage, oxidative mutagen sensitivity, and repair of oxidative DNA damage in nonmelanoma skin cancer patients. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 509-517.	2.2	19
60	Mutation at the HPRT locus in patients with neurocysticercosis treated with praziquantel. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1994, 305, 181-188.	1.0	18
61	p53 Expression in circulating lymphocytes of non-melanoma skin cancer patients from an arsenic contaminated region in Mexico. A pilot study. <i>Molecular and Cellular Biochemistry</i> , 2004, 255, 25-31.	3.1	18
62	Fanconi anemia cells with unrepaired DNA damage activate components of the checkpoint recovery process. <i>Theoretical Biology and Medical Modelling</i> , 2015, 12, 19.	2.1	18
63	The potential role of COVID-19 in the induction of DNA damage. <i>Mutation Research - Reviews in Mutation Research</i> , 2022, 789, 108411.	5.5	18
64	High HPgV replication is associated with improved surrogate markers of HIV progression. <i>PLoS ONE</i> , 2017, 12, e0184494.	2.5	17
65	RBP4 Gene Variants Are Associated with Insulin Resistance in Women with Previous Gestational Diabetes. <i>Disease Markers</i> , 2014, 2014, 1-6.	1.3	16
66	Phytometabolite Dehydroleucodine Induces Cell Cycle Arrest, Apoptosis, and DNA Damage in Human Astrocytoma Cells through p73/p53 Regulation. <i>PLoS ONE</i> , 2015, 10, e0136527.	2.5	16
67	Is Arsenic Exposure a Risk Factor for Metabolic Syndrome? A Review of the Potential Mechanisms. <i>Frontiers in Endocrinology</i> , 2022, 13, .	3.5	16
68	Medicinal plants of Ecuador: a review of plants with anticancer potential and their chemical composition. <i>Medicinal Chemistry Research</i> , 2015, 24, 2283-2296.	2.4	15
69	Particulate matter-associated micronuclei frequencies in maternal and cord blood lymphocytes. <i>Environmental and Molecular Mutagenesis</i> , 2019, 60, 421-427.	2.2	15
70	Induction of DNA damage in human lymphocytes treated with a soluble factor secreted by <i>Taenia solium</i> metacystodes. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 2003, 23, 79-83.	0.8	14
71	Suppression of p53 and p21 ^{CIP1/WAF1} Reduces Arsenite-Induced Aneuploidy. <i>Chemical Research in Toxicology</i> , 2010, 23, 357-364.	3.3	14
72	Cytotoxic and genotoxic effects of extracts from <i>Annona montana</i> M. fruit. <i>Food and Agricultural Immunology</i> , 2016, 27, 559-569.	1.4	14

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73	Genotoxic effects of bistratene A on human lymphocytes. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1996, 367, 169-175.	1.2	13
74	In vitro induction of micronuclei in lymphocytes: the use of bromodeoxyuridine as a proliferation marker. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1997, 391, 135-141.	1.7	13
75	Polymorphism in exon 4 of TP53 gene associated to HPV 16 and 18 in Mexican women with cervical cancer. Medical Oncology, 2011, 28, 1507-1513.	2.5	13
76	Epigenetic Regulation of Centromere Chromatin Stability by Dietary and Environmental Factors. Advances in Nutrition, 2017, 8, 889-904.	6.4	13
77	Angiotensinogen rs5050 germline genetic variant as potential biomarker of poor prognosis in astrocytoma. PLoS ONE, 2018, 13, e0206590.	2.5	13
78	Effects of metronidazole and its metabolites on histamine immunosuppression activity. Life Sciences, 1996, 59, 285-297.	4.3	12
79	The role of paraoxonase polymorphisms in the induction of micronucleus in paraoxonâ€treated human lymphocytes. Environmental and Molecular Mutagenesis, 2009, 50, 823-829.	2.2	12
80	Sex differences in brain gene expression among suicide completers. Journal of Affective Disorders, 2020, 267, 67-77.	4.1	12
81	Metronidazole hprt mutation induction in sheep and the relationship with its elimination rate. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 307, 253-259.	1.0	11
82	Effect of hydroxyurea and normal plasma on DNA synthesis in lymphocytes from Fanconi anemia patients. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1996, 357, 115-121.	1.0	11
83	The activity of calpains in lymphocytes is glucose-dependent and is decreased in diabetic patients. Blood Cells, Molecules, and Diseases, 2008, 40, 414-419.	1.4	11
84	Pesticide Exposure Modifies DNA Methylation of Coding Region of <i>WRAP53</i>, an Antisense Sequence of <i>p53</i>, in a Mexican Population. Chemical Research in Toxicology, 2019, 32, 1441-1448.	3.3	11
85	The PXR rs7643645 Polymorphism Is Associated with the Risk of Higher Prostate-Specific Antigen Levels in Prostate Cancer Patients. PLoS ONE, 2014, 9, e99974.	2.5	11
86	Genotoxicity induced by <i>Taenia solium</i> and its reduction by immunization with calreticulin in a hamster model of taeniosis. Environmental and Molecular Mutagenesis, 2013, 54, 347-353.	2.2	10
87	Prenatal exposure to particulate matter and ozone: Bulky DNA adducts, plasma isoprostanes, allele risk variants, and neonate susceptibility in the Mexico City Metropolitan Area. Environmental and Molecular Mutagenesis, 2019, 60, 428-442.	2.2	10
88	The insecticide buprofezin induces morphological transformation and kinetochore-positive micronuclei in cultured Syrian hamster embryo cells in the absence of detectable DNA damage. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1993, 303, 121-125.	1.1	9
89	The reduction of Calpain-10 expression is associated with risk polymorphisms in obese children. Gene, 2013, 516, 126-131.	2.2	9
90	Phytochemical study and evaluation of cytotoxic and genotoxic properties of extracts from Clusia latipes leaves. Revista Brasileira De Farmacognosia, 2016, 26, 44-49.	1.4	9

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91	Orally administered <i>Taenia solium</i> Calreticulin prevents experimental intestinal inflammation and is associated with a type 2 immune response. <i>PLoS ONE</i> , 2017, 12, e0186510.	2.5	9
92	Changes in the proliferation of human lymphocytes induced by several cytostatics and revealed by the premature chromosome condensation technique. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1991, 263, 101-106.	1.1	8
93	Evaluation of the carcinogenic and genotoxic potential of praziquantel in the Syrian hamster embryo cell transformation assay. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1994, 305, 175-180.	1.0	8
94	Genotoxic effects of <i>Karwinskia humboldtiana</i> toxin T-514 in peripheral blood lymphocytes. <i>Anti-Cancer Drugs</i> , 1996, 7, 710-715.	1.4	7
95	Arsenic impairs GLUT1 trafficking through the inhibition of the calpain system in lymphocytes. <i>Toxicology and Applied Pharmacology</i> , 2019, 380, 114700.	2.8	6
96	Antimutagenicity of cyclohexanol towards 4-(N-nitrosomethylamino)-1-(3-pyridil)-1-butanone and N-nitrosodiethylamine in <i>Salmonella typhimurium</i> strain TA100. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1993, 300, 151-154.	1.2	5
97	Structural improvement of higher education in environmental toxicology in Latin America and Europe. <i>Toxicology Letters</i> , 2000, 111, 203-211.	0.8	5
98	Lipid peroxidation in the cerebrospinal fluid of patients with neurocysticercosis. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2008, 102, 1025-1031.	1.8	5
99	Landscape of Germline Genetic Variants in AGT, MGMT, and TP53 in Mexican Adult Patients with Astrocytoma. <i>Cellular and Molecular Neurobiology</i> , 2021, 41, 1285-1297.	3.3	5
100	Analysis of the DNA damage induced by praziquantel in V-79 Chinese hamster fibroblasts and human blood cells using the single-cell gel electrophoresis assay. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1998, 18, 41-47.	0.8	4
101	Misadjustment of diurnal expression of core temperature and locomotor activity in lactating rabbits associated with maternal over-nutrition before and during pregnancy. <i>PLoS ONE</i> , 2020, 15, e0232400.	2.5	4
102	Maternal overnutrition before and during pregnancy induces DNA damage in male offspring: A rabbit model. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2021, 865, 503324.	1.7	4
103	TUG is a calpain-10 substrate involved in the translocation of GLUT4 in adipocytes. <i>Journal of Molecular Endocrinology</i> , 2020, 65, 45-57.	2.5	4
104	Calpain Activity in Leukocytes Is Associated with Diabetes Biochemical Markers. <i>Archives of Medical Research</i> , 2019, 50, 451-460.	3.3	3
105	On cancer risks in second-generation immigrants to Sweden. <i>International Journal of Cancer</i> , 2002, 101, 298-298.	5.1	1
106	Proapoptotic role of novel gene-expression factors. <i>Clinical and Translational Oncology</i> , 2007, 9, 355-363.	2.4	0
107	Prenatal Particulate Matter (PM) Exposure and Natriuretic Peptides in Newborns from Mexico City. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6546.	2.6	0
108	Arsenic-Induced Oxidative Stress: Evidence on In Vitro Models of Cardiovascular, Diabetes Mellitus Type 2 and Neurodegenerative Disorders. , 2011, , 659-680.		0