## Luz Maria Del Razo

List of Publications by Year in descending order

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127 papers 7,956 citations

50276 46 h-index 49909 87 g-index

137 all docs

137 docs citations

times ranked

137

7077 citing authors

#	Article	IF	CITATIONS
1	Comparative toxicity of trivalent and pentavalent inorganic and methylated arsenicals in rat and human cells. Archives of Toxicology, 2000, 74, 289-299.	4.2	881
2	Molecular mechanisms of fluoride toxicity. Chemico-Biological Interactions, 2010, 188, 319-333.	4.0	756
3	Oxidative Stress, Redox Signaling, and Autophagy: Cell Death <i>Versus</i> Survival. Antioxidants and Redox Signaling, 2014, 21, 66-85.	5.4	352
4	Stress Proteins Induced by Arsenic. Toxicology and Applied Pharmacology, 2001, 177, 132-148.	2.8	255
5	Urinary Trivalent Methylated Arsenic Species in a Population Chronically Exposed to Inorganic Arsenic. Environmental Health Perspectives, 2005, 113, 250-254.	6.0	223
6	Determination of Trivalent Methylated Arsenicals in Biological Matrices. Toxicology and Applied Pharmacology, 2001, 174, 282-293.	2.8	217
7	The oxidation states of arsenic in well-water from a chronic arsenicism area of Northern Mexico. Environmental Pollution, 1990, 64, 143-153.	7.5	184
8	Exposure to arsenic in drinking water is associated with increased prevalence of diabetes: a cross-sectional study in the Zimap $\tilde{A}_i$ n and Lagunera regions in Mexico. Environmental Health, 2011, 10, 73.	4.0	182
9	Altered profile of urinary arsenic metabolites in adults with chronic arsenicism. Archives of Toxicology, 1997, 71, 211-217.	4.2	181
10	Cytogenetic effects in human exposure to arsenic. Mutation Research - Reviews in Mutation Research, 1997, 386, 219-228.	5.5	166
11	Inorganic arsenic exposure and type 2 diabetes mellitus in Mexico. Environmental Research, 2007, 104, 383-389.	7.5	156
12	Arsenicals Inhibit Thioredoxin Reductase in Cultured Rat Hepatocytes. Chemical Research in Toxicology, 2001, 14, 305-311.	3.3	152
13	Epigenetic Changes in Individuals with Arsenicosis. Chemical Research in Toxicology, 2011, 24, 165-167.	3.3	147
14	Accumulation and metabolism of arsenic in mice after repeated oral administration of arsenate. Toxicology and Applied Pharmacology, 2003, 191, 202-210.	2.8	141
15	Metabolism of Arsenic in Primary Cultures of Human and Rat Hepatocytes. Chemical Research in Toxicology, 1999, 12, 560-565.	3.3	132
16	Antioxidant gene therapy against neuronal cell death. , 2014, 142, 206-230.		120
17	Lymphocyte proliferation kinetics and genotoxic findings in a pilot study on individuals chronically exposed to arsenic in Mexico. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1991, 250, 477-482.	1.0	114
18	Diabetogenic effects and pancreatic oxidative damage in rats subchronically exposed to arsenite. Toxicology Letters, 2006, 160, 135-142.	0.8	112

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19	Endogenous Reductants Support the Catalytic Function of Recombinant Rat Cyt19, an Arsenic Methyltransferase. Chemical Research in Toxicology, 2004, 17, 404-409.	3.3	111
20	Decreased in vitro fertility in male rats exposed to fluoride-induced oxidative stress damage and mitochondrial transmembrane potential loss. Toxicology and Applied Pharmacology, 2008, 230, 352-357.	2.8	104
21	Association of AS3MT polymorphisms and the risk of premalignant arsenic skin lesions. Toxicology and Applied Pharmacology, 2009, 239, 200-207.	2.8	104
22	Glutathione Reductase Inhibition and Methylated Arsenic Distribution in Cd1 Mice Brain and Liver. Toxicological Sciences, 2005, 84, 157-166.	3.1	103
23	Fluoride exposure impairs glucose tolerance via decreased insulin expression and oxidative stress. Toxicology, 2009, 263, 75-83.	4.2	100
24	Arsenic and the Epigenome: Interindividual Differences in Arsenic Metabolism Related to Distinct Patterns of DNA Methylation. Journal of Biochemical and Molecular Toxicology, 2013, 27, 106-115.	3.0	97
25	Chronic Exposure to Arsenic and Markers of Cardiometabolic Risk: A Cross-Sectional Study in Chihuahua, Mexico. Environmental Health Perspectives, 2016, 124, 104-111.	6.0	96
26	Arsenic and Cadmium Exposure in Children Living Near a Smelter Complex in San Luis PotosıÌ; Mexico. Environmental Research, 1993, 62, 242-250.	7.5	93
27	Arsenic levels in cooked food and assessment of adult dietary intake of arsenic in the Region Lagunera, Mexico. Food and Chemical Toxicology, 2002, 40, 1423-1431.	3.6	91
28	Arsenic species, AS3MT amount, and AS3MT gen expression in different brain regions of mouse exposed to arsenite. Environmental Research, 2010, 110, 428-434.	7.5	91
29	Increased cytogenetic damage in outdoor painters. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 467, 105-111.	1.7	88
30	Tissue Distribution and Urinary Excretion of Inorganic Arsenic and Its Methylated Metabolites in Mice Following Acute Oral Administration of Arsenate. Toxicological Sciences, 2005, 85, 468-475.	3.1	88
31	Lymphocyte replicating ability in individuals exposed to arsenic via drinking water. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1994, 313, 293-299.	0.4	83
32	Neurological effects of inorganic arsenic exposure: altered cysteine/glutamate transport, NMDA expression and spatial memory impairment. Frontiers in Cellular Neuroscience, 2015, 9, 21.	3.7	82
33	Studies on the Mechanisms of Arsenic-Induced Self Tolerance Developed in Liver Epithelial Cells through Continuous Low-Level Arsenite Exposure. Toxicological Sciences, 2000, 54, 500-508.	3.1	79
34	Arsenite induces DNA-protein crosslinks and cytokeratin expression in the WRL-68 human hepatic cell line. Carcinogenesis, 2000, 21, 701-706.	2.8	72
35	A Concurrent Exposure to Arsenic and Fluoride from Drinking Water in Chihuahua, Mexico. International Journal of Environmental Research and Public Health, 2015, 12, 4587-4601.	2.6	71
36	Comprehensive analysis of arsenic metabolites by pH-specific hydride generation atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2004, 19, 1460-1467.	3.0	69

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37	Altered Urinary Porphyrin Excretion in a Human Po p ulation Chronically Exposed to Arsenic in Mexico. Human and Experimental Toxicology, 1994, 13, 839-847.	2.2	67
38	Lipid oxidative damage and distribution of inorganic arsenic and its metabolites in the rat nervous system after arsenite exposure: Influence of alpha tocopherol supplementation. NeuroToxicology, 2006, 27, 1024-1031.	3.0	67
39	Fluoride levels in well-water from a chronic arsenicism area of Northern Mexico. Environmental Pollution, 1993, 80, 91-94.	7.5	65
40	Chemical fractionation of boron and heavy metals in soils irrigated with wastewater in central Mexico. Agriculture, Ecosystems and Environment, 2005, 108, 57-71.	5.3	62
41	Alpha-tocopherol protects against the renal damage caused by potassium dichromate. Toxicology, 2005, 218, 237-46.	4.2	57
42	Carotid Intima-Media Thickness and Plasma Asymmetric Dimethylarginine in Mexican Children Exposed to Inorganic Arsenic. Environmental Health Perspectives, 2013, 121, 1090-1096.	6.0	57
43	Lead Exposure in Children Living in a Smelter Community in Region Lagunera, Mexico. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2001, 62, 417-429.	2.3	54
44	Evaluation of kidney injury biomarkers in an adult Mexican population environmentally exposed to fluoride and low arsenic levels. Toxicology and Applied Pharmacology, 2018, 352, 97-106.	2.8	53
45	Environmental exposure to arsenic, AS3MT polymorphism and prevalence of diabetes in Mexico. Journal of Exposure Science and Environmental Epidemiology, 2013, 23, 151-155.	3.9	51
46	Associations between Arsenic Species in Exfoliated Urothelial Cells and Prevalence of Diabetes among Residents of Chihuahua, Mexico. Environmental Health Perspectives, 2014, 122, 1088-1094.	6.0	48
47	DMPS-arsenic challenge test. I: Increased urinary excretion of monomethylarsonic acid in humans given dimercaptopropane sulfonate. Journal of Pharmacology and Experimental Therapeutics, 1997, 282, 192-200.	2.5	46
48	Dose-dependent effects on tissue distribution and metabolism of dimethylarsinic acid in the mouse after intravenous administration. Toxicology, 2000, 143, 155-166.	4.2	44
49	Metabolomic Characteristics of Arsenic-Associated Diabetes in a Prospective Cohort in Chihuahua, Mexico. Toxicological Sciences, 2015, 144, 338-346.	3.1	44
50	An integrated pharmacokinetic and pharmacodynamic study of arsenite action. 1. Heme oxygenase induction in rats. Teratogenesis, Carcinogenesis, and Mutagenesis, 1999, 19, 385-402.	0.8	43
51	A Pilot Study on the Urinary Excretion of Porphyrins in Human Populations Chronically Exposed to Arsenic in Mexico. Human and Experimental Toxicology, 1991, 10, 189-193.	2.2	38
52	Effects of arsenite on cell cycle progression in a human bladder cancer cell line. Toxicology, 2005, 207, 49-57.	4.2	38
53	Effect of dietary selenium deficiency on the in vitro fertilizing ability of mice spermatozoa. Cell Biology and Toxicology, 2008, 24, 321-329.	5.3	38
54	Potential Co-exposure to Arsenic and Fluoride and Biomonitoring Equivalents for Mexican Children. Annals of Global Health, 2018, 84, 257-273.	2.0	38

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55	Altered activity of heme biosynthesis pathway enzymes in individuals chronically exposed to arsenic in Mexico. Archives of Toxicology, 1999, 73, 90-95.	4.2	36
56	Non-optimal levels of dietary selenomethionine alter splenocyte response and modify oxidative stress markers in female mice. Food and Chemical Toxicology, 2007, 45, 1147-1153.	3.6	36
57	Chronic arsenic exposure increases TGFalpha concentration in bladder urothelial cells of Mexican populations environmentally exposed to inorganic arsenic. Toxicology and Applied Pharmacology, 2007, 222, 264-270.	2.8	36
58	The effects of fluoride on cell migration, cell proliferation, and cell metabolism in GH4C1 pituitary tumour cells. Toxicology Letters, 2009, 190, 179-186.	0.8	35
59	Speciation of Arsenic in Exfoliated Urinary Bladder Epithelial Cells from Individuals Exposed to Arsenic in Drinking Water. Environmental Health Perspectives, 2008, 116, 1656-1660.	6.0	33
60	Blood Pressure, Left Ventricular Geometry, and Systolic Function in Children Exposed to Inorganic Arsenic. Environmental Health Perspectives, 2015, 123, 629-635.	6.0	33
61	Arsenite Exposure Downregulates EAAT1/GLAST Transporter Expression in Glial Cells. Toxicological Sciences, 2011, 122, 539-550.	3.1	32
62	Alteration in bilirubin excretion in individuals chronically exposed to arsenic in Mexico. Toxicology Letters, 1998, 99, 79-84.	0.8	30
63	Proximal renal tubular injury in rats sub-chronically exposed to low fluoride concentrations. Toxicology and Applied Pharmacology, 2013, 272, 888-894.	2.8	30
64	Bismuth-based nanoparticles as the environmentally friendly replacement for lead-based piezoelectrics. RSC Advances, 2015, 5, 27295-27304.	3.6	29
65	Role of the Alkali Labile Sites, Reactive Oxygen Species and Antioxidants in DNA Damage Induced by Methylated Trivalent Metabolites of Inorganic Arsenic. BioMetals, 2005, 18, 493-506.	4.1	28
66	Functional and morphological effects of repeated sodium arsenite exposure on rat peripheral sensory nerves. Journal of the Neurological Sciences, 2007, 258, 104-110.	0.6	27
67	Effect of Selenomethionine Supplementation in Food on the Excretion and Toxicity of Arsenic Exposure in Female Mice. Biological Trace Element Research, 2013, 156, 279-287.	3.5	27
68	Identification of Novel Gene Targets and Putative Regulators of Arsenic-Associated DNA Methylation in Human Urothelial Cells and Bladder Cancer. Chemical Research in Toxicology, 2015, 28, 1144-1155.	3.3	26
69	Circulating miRNAs Associated with Arsenic Exposure. Environmental Science & Emp; Technology, 2018, 52, 14487-14495.	10.0	25
70	Induction of DNA Damage by Free Radicals Generated Either by Organic or Inorganic Arsenic (As <sup>III</sup> , MMA <sup>III</sup> , and DMA <sup>III</sup> ) in Cultures of B and T Lymphocytes. Biological Trace Element Research, 2005, 108, 115-126.	3.5	24
71	Fluoride exposure regulates the elongation phase of protein synthesis in cultured Bergmann glia cells. Toxicology Letters, 2014, 229, 126-133.	0.8	24
72	Evaluation of vascular and kidney injury biomarkers in Mexican children exposed to inorganic fluoride. Environmental Research, 2019, 169, 220-228.	7.5	24

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73	The protective effect of alpha-tocopherol against dichromate-induced renal tight junction damage is mediated via ERK1/2. Toxicology Letters, 2009, 191, 279-288.	0.8	23
74	Association of glutathione S-transferase $\hat{l}$ $\mathbb{Q}$ 1-1 polymorphisms (A140D and E208K) with the expression of interleukin-8 (IL-8), transforming growth factor beta (TGF- $\hat{l}^2$ ), and apoptotic protease-activating factor 1 (Apaf-1) in humans chronically exposed to arsenic in drinking water. Archives of Toxicology, 2012, 86, 857-868.	4.2	23
75	Arsenite induced oxidative damage in mouse liver is associated with increased cytokeratin 18 expression. Archives of Toxicology, 2007, 81, 619-626.	4.2	21
76	Fluoride exposure is associated with altered metabolism of arsenic in an adult Mexican population. Science of the Total Environment, 2019, 684, 621-628.	8.0	20
77	An integrated pharmacokinetic and pharmacodynamic study of arsenite action2. Heme oxygenase induction in mice. Toxicology, 2005, 206, 389-401.	4.2	19
78	Urinary arsenic levels influenced by abandoned mine tailings in the Southernmost Baja California Peninsula, Mexico. Environmental Geochemistry and Health, 2014, 36, 845-854.	3.4	18
79	Mesothelin, Calretinin, and Megakaryocyte Potentiating Factor as Biomarkers of Malignant Pleural Mesothelioma. Lung, 2019, 197, 641-649.	3.3	18
80	Prenatal exposure to metals modified DNA methylation and the expression of antioxidant- and DNA defense-related genes in newborns in an urban area. Journal of Trace Elements in Medicine and Biology, 2019, 55, 110-120.	3.0	18
81	Arsenite induces aquaglyceroporin 9 expression in murine livers. Environmental Research, 2010, 110, 443-447.	7.5	17
82	Metabolism and Toxicity of Arsenicals in Cultured Cells. , 1999, , 311-323.		15
83	Uric acid levels in plasma and urine in rats chronically exposed to inorganic as (III) and as(V). Toxicology Letters, 1985, 26, 31-35.	0.8	14
84	Interference in the Quantitation of Methylated Arsenic Species in Human Urine. Journal of Analytical Toxicology, 1999, 23, 103-107.	2.8	14
85	Association Between Variants in Arsenic (+3 Oxidation State) Methyltranserase ( <i>AS3MT</i> ) and Urinary Metabolites of Inorganic Arsenic: Role of Exposure Level. Toxicological Sciences, 2016, 153, 112-123.	3.1	14
86	One-carbon metabolism nutrient intake and the association between body mass index and urinary arsenic metabolites in adults in the Chihuahua cohort. Environment International, 2019, 123, 292-300.	10.0	14
87	Effect of cadmium on the concentration of essential metals in a human chondrocyte micromass culture. Journal of Trace Elements in Medicine and Biology, 2020, 62, 126614.	3.0	14
88	Inorganic arsenic exposure affects pain behavior and inflammatory response in rat. Toxicology and Applied Pharmacology, 2008, 229, 374-385.	2.8	13
89	Effects of inorganic arsenic exposure on glucose transporters and insulin receptor in the hippocampus of C57BL/6 male mice. Neurotoxicology and Teratology, 2016, 54, 68-77.	2.4	12
90	Evaluation of plasma arsenicals as potential biomarkers of exposure to inorganic arsenic. Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 718-729.	3.9	12

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91	Tissue Levels of Arsenicals and Skin Tumor Response Following Administration of Monomethylarsonous Acid and Arsenite to K6/ODC Mice. Journal of Environmental Pathology, Toxicology and Oncology, 2008, 27, 43-52.	1.2	12
92	Dose-dependent urinary phenotype of inorganic arsenic methylation in mice with a focus on trivalent methylated metabolites. Toxicology Mechanisms and Methods, 2011, 21, 649-655.	2.7	11
93	Subâ€chronic exposure to fluoride impacts the response to a subsequent nephrotoxic treatment with gentamicin. Journal of Applied Toxicology, 2016, 36, 309-319.	2.8	10
94	NADPH oxidase participates in the oxidative damage caused by fluoride in rat spermatozoa. Protective role of <i>α</i> ê€tocopherol. Journal of Applied Toxicology, 2011, 31, 579-588.	2.8	8
95	Identification of theGST-T1andGST-M1Null Genotypes Using High Resolution Melting Analysis. Chemical Research in Toxicology, 2012, 25, 216-224.	3.3	8
96	Prenatal Exposure to Sodium Arsenite Alters Placental Glucose 1, 3, and 4 Transporters in Balb/c Mice. BioMed Research International, 2015, 2015, 1-9.	1.9	8
97	Prestin and otolin-1 proteins in the hearing loss of adults chronically exposed to lead. Toxicology and Applied Pharmacology, 2021, 426, 115651.	2.8	7
98	An integrated pharmacokinetic and pharmacodynamic study of arsenite action. 1. Heme oxygenase induction in rats. Teratogenesis, Carcinogenesis, and Mutagenesis, 1999, 19, 385-402.	0.8	7
99	The ADMA/DDAH/NO pathway in human vein endothelial cells exposed to arsenite. Toxicology in Vitro, 2017, 42, 281-286.	2.4	6
100	Nuclear factor erythroid 2-related factor gene variants and susceptibility of arsenic-related skin lesions. Human and Experimental Toxicology, 2014, 33, 582-589.	2.2	5
101	Impact of Cadmium Mediated by Tobacco Use in Musculoskeletal Diseases. Biological Trace Element Research, 2022, 200, 2008-2015.	3.5	5
102	Alloxan decreases intracellular potassium content of the isolated frog skin epithelium. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2001, 130, 19-27.	2.6	4
103	Arsenic(III) methylation in betaine–nontronite clay–water suspensions under environmental conditions. Journal of Hazardous Materials, 2010, 178, 450-454.	12.4	4
104	Natriuretic peptides and echocardiographic parameters in Mexican children environmentally exposed to arsenic. Toxicology and Applied Pharmacology, 2020, 403, 115164.	2.8	4
105	Potable Water Pollution with Heavy Metals, Arsenic, and Fluorides and Chronic Kidney Disease in Infant Population of Aguascalientes. Hexagon Series on Human and Environmental Security and Peace, 2012, , 231-238.	0.2	4
106	Profile of Urinary Arsenic Metabolites in Children Chronically Exposed to Inorganic Arsenic in Mexico., 1999,, 281-287.		4
107	Distributed lag associations between respiratory illnesses and mortality with suspended particle concentration in Tula, a highly polluted industrial region in Central Mexico. International Archives of Occupational and Environmental Health, 2013, 86, 321-332.	2.3	2
108	Arsenic exposure alters purine metabolism in rats, mice, and humans., 2003, , 135-145.		1

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109	Arsenic metabolism profile in an adult population environmentally co-exposed to fluoride and moderate level of arsenic. Toxicology Letters, 2016, 259, S121.	0.8	1
110	Mitochondrial DNA copy number in Mexican children co-exposed to inorganic arsenic and fluoride from Zacatecas, Mexico. Toxicology Letters, 2016, 259, S126.	0.8	1
111	Melatonin pharmacophoric motifs in the anancomeric spiranic oxindole-cycloalkane scaffold: Theoretical and 1H NMR conformational analysis. Journal of Molecular Structure, 2020, 1202, 127267.	3.6	1
112	Effect of dietary selenium deficiency on the in vitro fertilizing ability of mice spermatozoa., $2007$ , $41-49$ .		1
113	Incorporating mechanistic insights in a PBPK model for arsenic. , 2003, , 369-377.		1
114	Preface: Spain Arsenic Meeting. Toxicology and Applied Pharmacology, 2009, 239, 127-129.	2.8	0
115	Chronic exposure to inorganic arsenic in children influences concentration of nitric oxide metabolites in plasma and urine. Toxicology Letters, 2011, 205, S85.	0.8	0
116	Fluoride: An underestimated nephrotoxic. Toxicology Letters, 2016, 259, S13.	0.8	0
117	Comparative urinary miRNAs expression and cystatin C level in adults chronically exposed to fluoride through drinking water. Toxicology Letters, 2016, 259, S115.	0.8	0
118	Polymorphism of PON1 192 was not associated with atherogenic marker in rural communities of the state of Chihuahua, Mexico exposed to fluoride. Toxicology Letters, 2016, 259, S133.	0.8	0
119	Biomonitoring of lead in whole blood and neurotoxicity risk in resident adults from non-mining rural communities in Veracruz. Toxicology Letters, 2016, 259, S168.	0.8	0
120	Ibervillea sonorae root extract modifies glucose uptake and GLUT4 plasma membrane translocation in L6-GLUT4myc muscle cells. Toxicology Letters, 2016, 259, S196.	0.8	0
121	Pretreatment of human hair for the determination of trace metals by ICP–MS. Toxicology Letters, 2016, 259, S89.	0.8	0
122	Diabetes Mellitus in Mexican Population Environmentally Exposed to Inorganic Arsenic. Epidemiology, 2006, 17, S393.	2.7	0
123	Total Antioxidant Capacity in Type 2 Diabetic People Living in Arsenic-Endemic Area in North Mexico. Epidemiology, 2007, 18, S134.	2.7	0
124	Is AS3MT Polymorphism, a Susceptibility Marker for Inorganic Arsenic Exposure?. Epidemiology, 2007, 18, S47-S48.	2.7	0
125	One-nanometre-resolution evidence of As(III) anoxic and oxic transformations on the surfaces of expandable clay minerals. International Journal of Environmental Science and Technology, $0, 1$ .	3.5	0
126	Arsenic and Fluoride in the Drinking Water in Tula City, México: Challenges and Lessons Learned. Water, Air, and Soil Pollution, 2022, 233, .	2.4	0

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127	Prenatal Exposure to Potentially Toxic Metals and Their Effects on Genetic Material in Offspring: a Systematic Review. Biological Trace Element Research, 0, , .	3.5	0