

# Andrea De Vizcaya-Ruiz

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,660  
citations

159585

30  
h-index

182427

51  
g-index

73  
all docs

73  
docs citations

73  
times ranked

4953  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterials Versus Ambient Ultrafine Particles: An Opportunity to Exchange Toxicology Knowledge. <i>Environmental Health Perspectives</i> , 2017, 125, 106002.	6.0	274
2	Sodium arsenite induces ROS generation, DNA oxidative damage, HO-1 and c-Myc proteins, NF- $\kappa$ B activation and cell proliferation in human breast cancer MCF-7 cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 674, 109-115.	1.7	174
3	Biomarkers of oxidative stress and damage in human populations exposed to arsenic. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 674, 85-92.	1.7	141
4	Induction of apoptosis by a novel copper-based anticancer compound, Casiopeina II, in L1210 murine leukaemia and CH1 human ovarian carcinoma cells. <i>Toxicology in Vitro</i> , 2000, 14, 1-5.	2.4	124
5	Mitochondrial Complex III-generated Oxidants Activate ASK1 and JNK to Induce Alveolar Epithelial Cell Death following Exposure to Particulate Matter Air Pollution. <i>Journal of Biological Chemistry</i> , 2009, 284, 2176-2186.	3.4	117
6	Diabetogenic effects and pancreatic oxidative damage in rats subchronically exposed to arsenite. <i>Toxicology Letters</i> , 2006, 160, 135-142.	0.8	112
7	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
8	Exposure to inhaled particulate matter activates early markers of oxidative stress, inflammation and unfolded protein response in rat striatum. <i>Toxicology Letters</i> , 2013, 222, 146-154.	0.8	100
9	Mixed chelate copper complex, Casiopeina IIgly <sup>®</sup> , binds and degrades nucleic acids: A mechanism of cytotoxicity. <i>Chemico-Biological Interactions</i> , 2007, 165, 189-199.	4.0	95
10	Early kidney damage induced by subchronic exposure to PM2.5 in rats. <i>Particle and Fibre Toxicology</i> , 2016, 13, 68.	6.2	95
11	TNF $\alpha$ and IL-6 Responses to Particulate Matter <i>in Vitro</i> : Variation According to PM Size, Season, and Polycyclic Aromatic Hydrocarbon and Soil Content. <i>Environmental Health Perspectives</i> , 2016, 124, 406-412.	6.0	88
12	Particulate matter Air Pollution induces hypermethylation of the p16 promoter Via a mitochondrial ROS-JNK-DNMT1 pathway. <i>Scientific Reports</i> , 2012, 2, 275.	3.3	79
13	Characterization and in vitro biological effects of concentrated particulate matter from Mexico City. <i>Atmospheric Environment</i> , 2006, 40, 583-592.	4.1	77
14	Estrogens and Human Papilloma Virus Oncogenes Regulate Human <i>Ether-a1€-go-go-1</i> Potassium Channel Expression. <i>Cancer Research</i> , 2009, 69, 3300-3307.	0.9	74
15	PM composition and source reconciliation in Mexico City. <i>Atmospheric Environment</i> , 2009, 43, 5068-5074.	4.1	71
16	Protein corona acts as a protective shield against Fe <sub>3</sub> O <sub>4</sub> -PEG inflammation and ROS-induced toxicity in human macrophages. <i>Toxicology Letters</i> , 2016, 240, 172-184.	0.8	70
17	Temporal variation of nitro-polycyclic aromatic hydrocarbons in PM10 and PM2.5 collected in Northern Mexico City. <i>Science of the Total Environment</i> , 2010, 408, 5429-5438.	8.0	64
18	Acute and subchronic exposure to air particulate matter induces expression of angiotensin and bradykinin-related genes in the lungs and heart: Angiotensin-II type-I receptor as a molecular target of particulate matter exposure. <i>Particle and Fibre Toxicology</i> , 2015, 12, 17.	6.2	63

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19	Carotid Intima-Media Thickness and Plasma Asymmetric Dimethylarginine in Mexican Children Exposed to Inorganic Arsenic. <i>Environmental Health Perspectives</i> , 2013, 121, 1090-1096.	6.0	57
20	Synthesis, Characterization and In Vitro Study of Synthetic and Bovine-Derived Hydroxyapatite Ceramics: A Comparison. <i>Materials</i> , 2018, 11, 333.	2.9	52
21	The Effect of Composition, Size, and Solubility on Acute Pulmonary Injury in Rats Following Exposure to Mexico City Ambient Particulate Matter Samples. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014, 77, 1164-1182.	2.3	51
22	Ion channels in toxicology. <i>Journal of Applied Toxicology</i> , 2010, 30, 497-512.	2.8	45
23	A comparison of the human and mouse protein corona profiles of functionalized SiO <sub>2</sub> nanocarriers. <i>Nanoscale</i> , 2017, 9, 13651-13660.	5.6	45
24	Hematotoxicity response in rats by the novel copper-based anticancer agent: casiopeina II. <i>Toxicology</i> , 2003, 194, 103-113.	4.2	42
25	Increased methylation of repetitive elements and DNA repair genes is associated with higher DNA oxidation in children in an urbanized, industrial environment. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2017, 813, 27-36.	1.7	41
26	Bismuth subsalicylate nanoparticles with anaerobic antibacterial activity for dental applications. <i>Nanotechnology</i> , 2017, 28, 435101.	2.6	35
27	Variation in the Composition and In Vitro Proinflammatory Effect of Urban Particulate Matter from Different Sites. <i>Journal of Biochemical and Molecular Toxicology</i> , 2013, 27, 87-97.	3.0	34
28	Chemical characterization of extractable water soluble matter associated with PM10 from Mexico City during 2000. <i>Chemosphere</i> , 2005, 61, 701-710.	8.2	33
29	In utero exposure to ultrafine particles promotes placental stress-induced programming of renin-angiotensin system-related elements in the offspring results in altered blood pressure in adult mice. <i>Particle and Fibre Toxicology</i> , 2019, 16, 7.	6.2	33
30	&lt;p&gt;Plasma protein adsorption on Fe<sub>3</sub>O<sub>4</sub>-PEG nanoparticles activates the complement system and induces an inflammatory response&lt;p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2055-2067.	6.7	32
31	Arsenic alters monocyte superoxide anion and nitric oxide production in environmentally exposed children. <i>Toxicology and Applied Pharmacology</i> , 2010, 245, 244-251.	2.8	30
32	Inhalation of concentrated PM2.5 from Mexico City acts as an adjuvant in a guinea pig model of allergic asthma. <i>Environmental Pollution</i> , 2017, 228, 474-483.	7.5	30
33	Bismuth-based nanoparticles as the environmentally friendly replacement for lead-based piezoelectrics. <i>RSC Advances</i> , 2015, 5, 27295-27304.	3.6	29
34	Chitosan-bioglass coatings on partially nanostructured anodized Ti-6Al-4V alloy for biomedical applications. <i>Surface and Coatings Technology</i> , 2019, 375, 468-476.	4.8	19
35	Exposure to ambient particulate matter induces oxidative stress in lung and aorta in a size- and time-dependent manner in rats. <i>Toxicology Research and Application</i> , 2018, 2, 239784731879485.	0.6	16
36	Regulation of human GDNF gene expression in nigral dopaminergic neurons using a new doxycycline-regulated NTS-polyplex nanoparticle system. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1363-1375.	3.3	15

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37	Influence of HVOF parameters on HAp coating generation: An integrated approach using process maps. <i>Surface and Coatings Technology</i> , 2019, 358, 299-307.	4.8	15
38	Acute kidney damage by PM2.5 exposure in a rat model. <i>Environmental Toxicology and Pharmacology</i> , 2021, 83, 103587.	4.0	14
39	Effect of in vivo exposure to ambient fine particles (PM 2.5 ) on the density of dopamine D 2 -like receptors and dopamine-induced [ 35 S]-GTP <sup>γ</sup> S binding in rat prefrontal cortex and striatum membranes. <i>Environmental Toxicology and Pharmacology</i> , 2018, 60, 58-65.	4.0	12
40	Concentration profile of elemental and organic carbon and personal exposure to other pollutants from brick kilns in Durango, Mexico. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 285-300.	3.3	9
41	Comparative effects of TiO <sub>2</sub> and ZnO nanoparticles on growth and ultrastructure of ovarian antral follicles. <i>Reproductive Toxicology</i> , 2020, 96, 399-412.	2.9	9
42	SDNN index of heart rate variability as an indicator of change in rats exposed to fine particles: Study of the impact of air pollution in Mexico City. , 2014, , .		7
43	Cytotoxicity of semiconductor nanoparticles in A549 cells is attributable to their intrinsic oxidant activity. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	6
44	In vitro cytotoxicity study of superparamagnetic iron oxide and silica nanoparticles on pneumocyte organelles. <i>Toxicology in Vitro</i> , 2021, 72, 105071.	2.4	6
45	Inflammatory response in human alveolar epithelial cells after TiO <sub>2</sub> NPs or ZnO NPs exposure: Inhibition of surfactant protein A expression as an indicator for loss of lung function. <i>Environmental Toxicology and Pharmacology</i> , 2021, 86, 103654.	4.0	6
46	PM2.5 induces airway hyperresponsiveness and inflammation via the AhR pathway in a sensitized Guinea pig asthma-like model. <i>Toxicology</i> , 2022, 465, 153026.	4.2	4
47	In vitro exposure to ambient fine and ultrafine particles alters dopamine uptake and release, and D2 receptor affinity and signaling. <i>Environmental Toxicology and Pharmacology</i> , 2020, 80, 103484.	4.0	3
48	Survival Mechanisms and Xenobiotic Susceptibility of Keratinocytes Exposed to Metal-Derived Nanoparticles. <i>Chemical Research in Toxicology</i> , 2020, 33, 536-552.	3.3	3
49	Distributed lag associations between respiratory illnesses and mortality with suspended particle concentration in Tula, a highly polluted industrial region in Central Mexico. <i>International Archives of Occupational and Environmental Health</i> , 2013, 86, 321-332.	2.3	2
50	Toxicokinetic assessment of inhalatory absorption of Diisobutyl phthalate (DiBP) using a novel thermal desorption-GC-MS method to determine phthalate diesters in blood plasma. <i>Environmental Toxicology and Pharmacology</i> , 2022, 90, 103813.	4.0	2
51	Association of chemical components and endotoxin in PM2.5 with early kidney damage. <i>Toxicology Letters</i> , 2016, 259, S78.	0.8	1
52	Characterization of protein corona around of SiO <sub>2</sub> -PEG-Tf NP in human plasma and its influence in active targeting. <i>Toxicology Letters</i> , 2016, 259, S185.	0.8	1
53	Emission Factors of Polycyclic Aromatic Hydrocarbons and Oxidative Potential of Fine Particles Emitted from Crop Residues Burning. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 5123-5142.	2.6	1
54	Activation of Nrf2 transcription factor in aorta and lung of rats exposed to fine and ultrafine ambient particulate matter in Mexico City. <i>Toxicology Letters</i> , 2010, 196, S241.	0.8	0

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55	P-026. Epidemiology, 2012, 23, 1.	2.7	0
56	Biocompatibility evaluation of hydroxyapatite coatings for prosthetic applications. Toxicology Letters, 2015, 238, S94.	0.8	0
57	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
58	Assessment of aldosterone synthase (CYP11B2), mineralocorticoid receptor expression and markers of fetal cardiac gene reprogramming in rats exposed to fine particles. Toxicology Letters, 2016, 259, S76-S77.	0.8	0
59	In Vitro Toxicity of Ambient Particles: Biological Plausibility for Risk Estimation. Epidemiology, 2007, 18, S199.	2.7	0
60	Skin ion channels in health and disease. , 2012, , 35-42.		0