

Diana Meza-Figueroa

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,452
citations

331259

21
h-index

344852

36
g-index

57
all docs

57
docs citations

57
times ranked

1471
citing authors

#	ARTICLE	IF	CITATIONS
1	Arsenic and lead in the soils of San Antonioâ€“El Triunfo mining district, B.C.S., MÃ©xico: a human health risk assessment. <i>Environmental Earth Sciences</i> , 2022, 81, 1.	1.3	2
2	Silicon nanoparticles decrease arsenic translocation and mitigate phytotoxicity in tomato plants. <i>Environmental Science and Pollution Research</i> , 2022, 29, 34147-34163.	2.7	22
3	International Analysis of Sources and Human Health Risk Associated with Trace Metal Contaminants in Residential Indoor Dust. <i>Environmental Science & Technology</i> , 2022, 56, 1053-1068.	4.6	40
4	Identification of refractory zirconia from catalytic converters in dust: An emerging pollutant in urban environments. <i>Science of the Total Environment</i> , 2021, 760, 143384.	3.9	7
5	Association of airborne particulate matter with pollen, fungal spores, and allergic symptoms in an arid urbanized area. <i>Environmental Geochemistry and Health</i> , 2021, 43, 1761-1782.	1.8	17
6	Anthropogenic and climate induced trace element contamination in a water reservoir in northwestern Mexico. <i>Environmental Science and Pollution Research</i> , 2021, 28, 16895-16912.	2.7	10
7	Inflammation biomarkers associated with arsenic exposure by drinking water and respiratory outcomes in indigenous children from three Yaqui villages in southern Sonora, MÃ©xico. <i>Environmental Science and Pollution Research</i> , 2021, 28, 34355-34366.	2.7	12
8	Thermometric Characterization of Fluorescent Nanodiamonds Suitable for Biomedical Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4065.	1.3	6
9	Characterization and pH neutralization products of efflorescent salts from mine tailings of (semi-)arid zones. <i>Chemical Geology</i> , 2021, 580, 120370.	1.4	3
10	In vitro assessment oral and respiratory bioaccessibility of Mn in school dust: Insight of seasonality in a semiarid environment. <i>Applied Geochemistry</i> , 2021, 134, 105102.	1.4	9
11	Effects of Untreated Drinking Water at Three Indigenous Yaqui Towns in Mexico: Insights from a Murine Model. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 805.	1.2	5
12	NANOPARTÍCULAS: EFECTOS EN LA SALUD HUMANA Y EL MEDIO AMBIENTE. <i>Epistemus</i> , 2021, 15, .	0.0	0
13	TEMPERATURA CORPORAL, TERMÃ“METROS Y SALUD. <i>Epistemus</i> , 2021, 15, .	0.0	0
14	Release of Nanoparticles in the Environment and Catalytic Converters Ageing. <i>Nanomaterials</i> , 2021, 11, 3406.	1.9	5
15	Serum matrix metalloproteinase-9 in children exposed to arsenic from playground dust at elementary schools in Hermosillo, Sonora, Mexico. <i>Environmental Geochemistry and Health</i> , 2020, 42, 499-511.	1.8	2
16	Metal bioaccessibility, particle size distribution and polydispersity of playground dust in synthetic lysosomal fluids. <i>Science of the Total Environment</i> , 2020, 713, 136481.	3.9	24
17	Barriers for plant establishment in the abandoned tailings of Nacozari, Sonora, Mexico: the influence of compost addition on seedling performance and tailing properties. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39635-39650.	2.7	6
18	Identification of inhalable rutile and polycyclic aromatic hydrocarbons (PAHs) nanoparticles in the atmospheric dust. <i>Environmental Pollution</i> , 2020, 260, 114006.	3.7	9

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19	Role of unsaturated soil above a heavily contaminated aquifer in the natural attenuation of arsenic. E3S Web of Conferences, 2019, 98, 09017.	0.2	4
20	The role of soil mineralogy on oral bioaccessibility of lead: Implications for land use and risk assessment. Science of the Total Environment, 2019, 657, 1468-1479.	3.9	33
21	An integrated health risk assessment of indigenous children exposed to arsenic in Sonora, Mexico. Human and Ecological Risk Assessment (HERA), 2019, 25, 706-721.	1.7	4
22	Health Risk Assessment and Urinary Excretion of Children Exposed to Arsenic through Drinking Water and Soils in Sonora, Mexico. Biological Trace Element Research, 2019, 187, 9-21.	1.9	24
23	Fractionation and mobility of thallium in areas impacted by mining-metallurgical activities: Identification of a water-soluble Tl(I) fraction. Environmental Pollution, 2018, 237, 154-165.	3.7	45
24	Source apportionment and environmental fate of lead chromates in atmospheric dust in arid environments. Science of the Total Environment, 2018, 630, 1596-1607.	3.9	29
25	Distribution of Arsenic and Risk Assessment of Activities on Soccer Pitches Irrigated with Arsenic-Contaminated Water. International Journal of Environmental Research and Public Health, 2018, 15, 1060.	1.2	12
26	New U-Pb and Re-Os geochronology of Laramide porphyry copper mineralization along the Cananea lineament, northeastern Sonora, Mexico: Contribution to the understanding of the Cananea copper district. Ore Geology Reviews, 2017, 81, 1125-1136.	1.1	11
27	Geology and geochemistry of the Suaqui Verde deposit: A contribution to the knowledge of the Laramide porphyry copper mineralization in south central Sonora, Mexico. Ore Geology Reviews, 2017, 81, 1158-1171.	1.1	3
28	Plants from the abandoned Nacozari mine tailings: evaluation of their phytostabilization potential. PeerJ, 2017, 5, e3280.	0.9	24
29	Traffic signatures in suspended dust at pedestrian levels in semiarid zones: Implications for human exposure. Atmospheric Environment, 2016, 138, 4-14.	1.9	15
30	Mobility and Bioavailability of Metals in Stream Sediments Impacted by Mining Activities: the Jaralito and the Mexicana in Sonora, Mexico. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	18
31	Dust-Metal Sources in an Urbanized Arid Zone: Implications for Health-Risk Assessments. Archives of Environmental Contamination and Toxicology, 2016, 70, 522-533.	2.1	24
32	Trace metals in topsoils near the Babylon Cement Factory (Euphrates River) and human health risk assessment. Environmental Earth Sciences, 2015, 74, 665-673.	1.3	8
33	Historical trends and sources of TSP in a Sonoran desert city: Can the North America Monsoon enhance dust emissions?. Atmospheric Environment, 2015, 110, 111-121.	1.9	23
34	Behavior of Metals Under Different Seasonal Conditions: Effects on the Quality of a Mexico-USA Border River. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	3
35	Geology, stable isotope, and U-Pb geochronology of the Mariquita porphyry copper and Lucy Cu-Mo deposits, Cananea District, Mexico: A contribution to regional exploration. Journal of Geochemical Exploration, 2013, 124, 140-154.	1.5	27
36	Adsorption of arsenic on pre-treated zeolite at different pH levels. Chemical Speciation and Bioavailability, 2013, 25, 280-284.	2.0	6

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37	Procesos erosivos en jales de la Presa I de Nacozari de Garc�a, Sonora y su efecto en la dispersi�n de contaminantes. Bolet�n De La Sociedad Geologica Mexicana, 2013, 65, 27-38.	0.1	9
38	Metals in residential soils and cumulative risk assessment in Yaqui and Mayo agricultural valleys, northern Mexico. Science of the Total Environment, 2012, 433, 472-481.	3.9	46
39	Tracing geogenic and anthropogenic sources in urban dusts: Insights from lead isotopes. Atmospheric Environment, 2012, 60, 202-210.	1.9	52
40	Impact of mining activities on sediments in a semi-arid environment: San Pedro River, Sonora, Mexico. Applied Geochemistry, 2011, 26, 2101-2112.	1.4	35
41	Distribution of heavy metals and their chemical speciation in sediments from the Abelardo L. Rodr�guez Dam, Sonora, M�xico. Chemical Speciation and Bioavailability, 2011, 23, 201-212.	2.0	4
42	Biomonitoring of metal in children living in a mine tailings zone in Southern Mexico: A pilot study. International Journal of Hygiene and Environmental Health, 2010, 213, 252-258.	2.1	63
43	Estimation of potential pollution from mine tailings in the San Pedro River (1993�2005), Mexico�US border. Environmental Geology, 2009, 57, 1469.	1.2	20
44	The impact of unconfined mine tailings in residential areas from a mining town in a semi-arid environment: Nacozari, Sonora, Mexico. Chemosphere, 2009, 77, 140-147.	4.2	129
45	Structural and tectonic evolution of the Acatl�n Complex, southern Mexico: Its role in the collisional history of Laurentia and Gondwana. Tectonics, 2009, 28, .	1.3	33
46	Pressure-temperature-time evolution of high-pressure rocks of the Acatl�n Complex (southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 Geological Society of America, 2009, 121, 1460-1464.	1.6	4
47	Geology, Geochemistry and Re�Os systematics of manganese deposits from the Santa Rosal�a Basin and adjacent areas in Baja California Sur, M�xico. Mineralium Deposita, 2008, 43, 467-482.	1.7	17
48	U�Pb detrital zircon data of the Rio Fuerte Formation (NW Mexico): Its peri-Gondwanan provenance and exotic nature in relation to southwestern North America. Journal of South American Earth Sciences, 2008, 26, 343-354.	0.6	31
49	Determination of Trace Metals in Urine by Direct Dilution Inductively Coupled Plasma Optical Emission Spectrometry. Epidemiology, 2008, 19, S226.	1.2	1
50	Chemical partitioning of sediment contamination by heavy metals in the San Pedro River, Sonora, Mexico. Chemical Speciation and Bioavailability, 2007, 19, 25-35.	2.0	24
51	Pressure-temperature-time evolution of Paleozoic high-pressure rocks of the Acatlan Complex (southern Mexico): Implications for the evolution of the Iapetus and Rheic Oceans. Bulletin of the Geological Society of America, 2007, 119, 1249-1264.	1.6	71
52	Heavy metal distribution in dust from elementary schools in Hermosillo, Sonora, M�xico. Atmospheric Environment, 2007, 41, 276-288.	1.9	237
53	Metal Exposure in Children From a Mining Site: Effects on mRNAs expression of Th1/Th2 Cytokines. Epidemiology, 2007, 18, S182.	1.2	0
54	Reply to comment on ��U�Pb geochronology of the Acatl�n Complex and implications for the Paleozoic paleogeography and tectonic evolution of southern Mexico�by Talavera et al.. Earth and Planetary Science Letters, 2006, 245, 476-480.	1.8	6

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55	U–Pb geochronology of the Acatlán Complex and implications for the Paleozoic paleogeography and tectonic evolution of southern Mexico. <i>Earth and Planetary Science Letters</i> , 2005, 235, 682-699.	1.8	116
56	Major and trace element geochemistry and ⁴⁰ Ar/ ³⁹ Ar geochronology of Laramide plutonic rocks associated with gold-bearing Fe skarn deposits in Guerrero state, southern Mexico. <i>Journal of South American Earth Sciences</i> , 2003, 16, 205-217.	0.6	20
57	Tectonometamorphic evolution of the Acatlan Complex eclogites (southern Mexico). <i>Canadian Journal of Earth Sciences</i> , 2003, 40, 27-44.	0.6	42