Violeta Mugica-Alvarez

List of Publications by Year
in descending order

47 papers	909 citations	471477 17 h-index	477281 29 g-index
48 all docs	48 docs citations	48 times ranked	1476 citing authors

#	Article	IF	Citations
1	Characterization of Aerosols Containing Zn, Pb, and Cl from an Industrial Region of Mexico City. Environmental Science & Technology, 2008, 42, 7091-7097.	10.0	143
2	Exposure to inhaled particulate matter activates early markers of oxidative stress, inflammation and unfolded protein response in rat striatum. Toxicology Letters, 2013, 222, 146-154.	0.8	100
3	Temporal and spatial variations of metal content in TSP and PM10 in Mexico City during 1996â€"1998. Journal of Aerosol Science, 2002, 33, 91-102.	3.8	76
4	Temporal variation of nitro-polycyclic aromatic hydrocarbons in PM10 and PM2.5 collected in Northern Mexico City. Science of the Total Environment, 2010, 408, 5429-5438.	8.0	64
5	Increased methylation of repetitive elements and DNA repair genes is associated with higher DNA oxidation in children in an urbanized, industrial environment. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2017, 813, 27-36.	1.7	41
6	Emission factors of atmospheric and climatic pollutants from crop residues burning. Journal of the Air and Waste Management Association, 2018, 68, 849-865.	1.9	36
7	Sugarcane burning emissions: Characterization and emission factors. Atmospheric Environment, 2018, 193, 262-272.	4.1	32
8	Effect of platform subway depth on the presence of Airborne PM2.5, metals, and toxic organic species. Journal of Hazardous Materials, 2019, 377, 427-436.	12.4	32
9	Carbazole biodegradation in gas oil/water biphasic media by a new isolated bacterium Burkholderia sp. strain IMP5GC. Journal of Applied Microbiology, 2006, 100, 739-745.	3.1	30
10	Active TiO2 nanotubes for CO oxidation at low temperature. Catalysis Communications, 2012, 17, 81-88.	3.3	30
11	Emissions of PAHs derived from sugarcane burning and processing in Chiapas and Morelos MÃ©xico. Science of the Total Environment, 2015, 527-528, 474-482.	8.0	29
12	Arsenic and metals mobility in soils impacted by tailings at ZimapÃ¡n, MÃ©xico. Journal of Soils and Sediments, 2016, 16, 1267-1278.	3.0	24
13	Aerobiological study in the Mexico City subway system. Aerobiologia, 2014, 30, 357-367.	1.7	23
14	Sources of trace metals in PM10 from a petrochemical industrial complex in Northern Mexico. Air Quality, Atmosphere and Health, 2017, 10, 69-84.	3.3	23
15	Emission factors from different burning stages of agriculture wastes in Mexico. Environmental Science and Pollution Research, 2017, 24, 24297-24310.	5.3	22
16	NATURAL REVEGETATION OF ALKALINE TAILING HEAPS AT TAXCO, GUERRERO, MEXICO. International Journal of Phytoremediation, 2013, 15, 127-141.	3.1	18
17	Novel V2O5/NTiO2â€"Al2O3 nanostructured catalysts for enhanced catalytic activity in NO reduction by NH3. Catalysis Communications, 2014, 45, 54-58.	3.3	18
18	Oligomerization of isobutene with a beta-zeolite membrane: Effect of the acid properties of the catalytic membrane. Catalysis Today, 2011, 166, 205-208.	4.4	16

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19	Separation of CO2 and N2 with a lithium-modified silicalite-1 zeolite membrane. International Journal of Greenhouse Gas Control, 2012, 10, 494-500.	4.6	16
20	Controlled crystal growth of β zeolite films on alumina supports. Materials Letters, 2008, 62, 1071-1073.	2.6	13
21	A Deep Eutectic Solvent as Leaching Agent and Electrolytic Bath for Silver Recovery from Spent Silver Oxide Batteries. Journal of the Electrochemical Society, 2021, 168, 016508.	2.9	13
22	Mesoporous materials with enhanced porosity and acidity to obtain clean fuels from low-density polyethylene (LDPE) cracking. Journal of Porous Materials, 2015, 22, 269-281.	2.6	12
23	Alkylation of Benzene with Propylene in a Flow-Through Membrane Reactor and Fixed-Bed Reactor: Preliminary Results. Materials, 2012, 5, 872-881.	2.9	11
24	Metal Content in Air Samples Collected in an Urban Zone in Tampico, México: A First Survey. Human and Ecological Risk Assessment (HERA), 2007, 13, 1359-1372.	3.4	9
25	Temporal variation of PM10 and metal concentrations in Tampico, Mexico. Air Quality, Atmosphere and Health, 2015, 8, 367-378.	3.3	9
26	PM2.5 emissions from urban crematoriums. Energy Procedia, 2018, 153, 359-363.	1.8	9
27	$PM_{2.5}$ Emission Elemental Composition from Diverse Combustion Sources in the Metropolitan Area of Mexico City. Scientific World Journal, The, 2008, 8, 275-286.	2.1	8
28	Chemical characterization of filterable PM 2.5 emissions generated from regulated stationary sources in the Metropolitan Area of Costa Rica. Atmospheric Pollution Research, 2017, 8, 709-717.	3.8	8
29	Wet Oxidation of Formaldehyde with Heterogeneous Catalytic Materials. International Journal of Environmental Science and Development, 2016, 7, 166-171.	0.6	6
30	Vehicular fleets forecasting to project pollutant emissions: Mexico city metropolitan area case. Transport Policy, 2013, 27, 189-199.	6.6	5
31	Instantaneous emissions models set in GIS for the TRANSIMS outputs. Transportation Research, Part D: Transport and Environment, 2014, 33, 155-165.	6.8	4
32	Catalysts with Cerium in a Membrane Reactor for the Removal of Formaldehyde Pollutant from Water Effluents. Molecules, 2016, 21, 668.	3.8	4
33	Toxic atmospheric pollutants from crematoria ovens: characterization, emission factors, and modeling. Environmental Science and Pollution Research, 2020, 27, 43800-43812.	5.3	4
34	CO2 Capture by Alkaline Carbonation as an Alternative to a Circular Economy. Applied Sciences (Switzerland), 2020, 10, 863.	2.5	4
35	Comparative Study of Cu/ZSM-5 Catalysts Synthesized by Two Ion-Exchange Methods. Crystals, 2022, 12, 545.	2.2	4
36	Characterization and modeling of atmospheric particles from sugarcane burning in Morelos, Mexico. Human and Ecological Risk Assessment (HERA), 2017, 23, 1056-1071.	3.4	3

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37	Interactions between the Ionic Liquid and the ZrO2 Support in Supported Ionic Liquid Membranes for CO2 Separation. Technologies, 2016, 4, 32.	5.1	2
38	Polycyclic aromatic hydrocarbons in filterable PM 2.5 emissions generated from regulated stationary sources in the metropolitan area of Costa Rica. Atmospheric Pollution Research, 2017, 8, 843-849.	3.8	2
39	Natural Mexican Zeolite Modified with Iron to Remove Arsenic Ions from Water Sources. Proceedings (mdpi), 2018, 2, .	0.2	2
40	Separation and Capture of CO2 through A Zeolitic Membrane. Proceedings (mdpi), 2018, 2, 1436.	0.2	1
41	Removal of Fluoride in Water with Mexican Natural Zeolite. Proceedings (mdpi), 2018, 2, .	0.2	1
42	Emission Factors of Polycyclic Aromatic Hydrocarbons and Oxidative Potential of Fine Particles Emitted from Crop Residues Burning. Polycyclic Aromatic Compounds, 2022, 42, 5123-5142.	2.6	1
43	Comprehensive analysis of a zeoliteâ€packed upflow baffled septic tank using tracer tests and mathematical modelling. Water and Environment Journal, 2022, 36, 332-342.	2.2	1
44	Determination of Particles and Carcinogenic Compounds Emitted by Combustion of Diesel and Diesel:Biodiesel Blends. Proceedings (mdpi), 2018, 2, 1505.	0.2	0
45	Removal of Formaldehyde by CWO. Proceedings (mdpi), 2018, 2, 1471.	0.2	0
46	Updating Real-World Profiles of Volatile Organic Compounds and Their Reactivity Estimation in Tunnels of Mexico City. Atmosphere, 2020, 11, 1339.	2.3	0
47	Preliminary study of soot and polycyclic aromatic hydrocarbons in emitted particles from adobe kilns that use scrap tires as fuel. , 0, , .		0