

DarÃ- o R GÃ³mez

List of Publications by Year in descending order

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42
papers

1,341
citations

361413

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345221

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42
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docs citations

42
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1806
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial and chemical patterns of size fractionated road dust collected in a megacity. <i>Atmospheric Environment</i> , 2011, 45, 1497-1505.	4.1	137
2	Metal fractionation of atmospheric aerosols via sequential chemical extraction: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 302-316.	3.7	93
3	On-road traffic emissions in a megacity. <i>Atmospheric Environment</i> , 2010, 44, 483-493.	4.1	92
4	Antimony: a traffic-related element in the atmosphere of Buenos Aires, Argentina. <i>Journal of Environmental Monitoring</i> , 2005, 7, 1162.	2.1	83
5	Metals associated with airborne particulate matter in road dust and tree bark collected in a megacity (Buenos Aires, Argentina). <i>Ecological Indicators</i> , 2011, 11, 240-247.	6.3	79
6	Traffic-Related Elements in Airborne Particulate Matter. <i>Applied Spectroscopy Reviews</i> , 2007, 43, 23-49.	6.7	78
7	Antimony as a traffic-related element in size-fractionated road dust samples collected in Buenos Aires. <i>Microchemical Journal</i> , 2011, 97, 62-67.	4.5	78
8	Monitoring trace metals in urban aerosols from Buenos Aires city. Determination by plasma-based techniques. <i>Journal of Environmental Monitoring</i> , 2004, 6, 286-294.	2.1	60
9	Monitoring Pt and Rh in urban aerosols from Buenos Aires, Argentina. <i>Science of the Total Environment</i> , 2006, 358, 255-264.	8.0	55
10	Atmospheric stability of arsines and the determination of their oxidative products in atmospheric aerosols (PM ₁₀): evidence of the widespread phenomena of biovolatilization of arsenic. <i>Journal of Environmental Monitoring</i> , 2010, 12, 409-416.	2.1	54
11	Determination of water-soluble and insoluble compounds in size classified airborne particulate matter. <i>Microchemical Journal</i> , 2009, 91, 133-139.	4.5	50
12	Evaluation of anthropogenic air pollutant emission inventories for South America at national and city scale. <i>Atmospheric Environment</i> , 2020, 235, 117606.	4.1	45
13	Characterization and determination of 28 elements in fly ashes collected in a thermal power plant in Argentina using different instrumental techniques. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 101-108.	2.9	39
14	Local and remote black carbon sources in the Metropolitan Area of Buenos Aires. <i>Atmospheric Environment</i> , 2018, 182, 105-114.	4.1	35
15	Fractionation of eleven elements by chemical bonding from airborne particulate matter collected in an industrial city in Argentina. <i>Journal of Environmental Monitoring</i> , 2006, 8, 913-922.	2.1	34
16	Inductively coupled plasma optical emission spectrometric determination of trace element in PM ₁₀ airborne particulate matter collected in an industrial area of Argentina. <i>Microchemical Journal</i> , 2005, 80, 9-17.	4.5	33
17	Chemical markers of biomass burning: Determination of levoglucosan, and potassium in size-classified atmospheric aerosols collected in Buenos Aires, Argentina by different analytical techniques. <i>Microchemical Journal</i> , 2018, 139, 181-187.	4.5	29
18	A three-step metal fractionation scheme for fly ashes collected in an Argentine thermal power plant. <i>Fuel</i> , 2008, 87, 1249-1258.	6.4	26

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19	Fractionation of metals and metalloids by chemical bonding from particles accumulated by electrostatic precipitation in an Argentine thermal power plant. <i>Microchemical Journal</i> , 2007, 85, 276-284.	4.5	23
20	Ammonia emissions from the agriculture sector in Argentina; 2000â€“2012. <i>Atmospheric Environment</i> , 2018, 178, 293-304.	4.1	22
21	Fractionation of elements by particle size of ashes ejected from Copahue Volcano, Argentina. <i>Journal of Environmental Monitoring</i> , 2002, 4, 972-977.	2.1	17
22	An Analysis of Secondary Pollutants in Buenos Aires City. <i>Environmental Monitoring and Assessment</i> , 2006, 119, 441-457.	2.7	16
23	Factors controlling sea salt abundances in the urban atmosphere of a coastal South American megacity. <i>Atmospheric Environment</i> , 2012, 59, 483-491.	4.1	16
24	A study of uniformity of elements deposition on glass fiber filters after collection of airborne particulate matter (PM-10), using a high-volume sampler. <i>Talanta</i> , 2005, 68, 442-447.	5.5	15
25	Determination of heterocyclic aromatic amines in airborne particulate matter (PM2.5 and PM10) from different emission sources by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Microchemical Journal</i> , 2018, 139, 34-41.	4.5	14
26	Determination of mercury in size fractionated road dust samples by flow injection-cold vapor-atomic absorption spectrometry. <i>Microchemical Journal</i> , 2012, 105, 77-82.	4.5	13
27	A combined analysis to identify airborne PM10sources. <i>Journal of Environmental Monitoring</i> , 2005, 7, 52-59.	2.1	12
28	Anthropogenic Perturbations to the Atmospheric Molybdenum Cycle. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006787.	4.9	12
29	The Role of Atomic Spectrometric Techniques in the Determination of Chemical Elements in Atmospheric Aerosols. <i>Current Analytical Chemistry</i> , 2005, 1, 373-394.	1.2	10
30	Air pollution sources of PM10 in Buenos Aires City. <i>Environmental Monitoring and Assessment</i> , 2009, 155, 191-204.	2.7	10
31	Multielemental chemical characterisation of fine urban aerosols collected in Buenos Aires and Tokyo by plasma-based techniques. <i>Microchemical Journal</i> , 2017, 133, 346-351.	4.5	10
32	Temporal and spatial variability of nitrous oxide emissions from agriculture in Argentina. <i>Carbon Management</i> , 2020, 11, 251-263.	2.4	10
33	PAPILA dataset: a regional emission inventory of reactive gases for South America based on the combination of local and global information. <i>Earth System Science Data</i> , 2022, 14, 271-293.	9.9	7
34	The Mean Angular Distance Among Objects and Its Relationships with Kohonen Artificial Neural Networks. <i>Journal of Chemical Information and Computer Sciences</i> , 2003, 43, 1403-1411.	2.8	6
35	2D Mapping by Kohonen Networks of the Air Quality Data From a Large Cityâ€. <i>Journal of Chemical Information and Computer Sciences</i> , 2004, 44, 339-346.	2.8	5
36	Source Extraction Information from Air Quality Data Monitored in an Argentinean Steel Mill. <i>Journal of the Air and Waste Management Association</i> , 2002, 52, 140-146.	1.9	4

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37	An Approach to Air Pollution Sourceâ€™Receptor Solution by Angular Distances. Water, Air, and Soil Pollution, 2008, 188, 235-245.	2.4	4
38	Chemical profile of size-fractionated soils collected in a semiarid industrial area of Argentina. Atmospheric Environment, 2014, 98, 299-307.	4.1	4
39	Plasma-based technique applied to the determination of 21 elements in ten size fractions of atmospheric aerosols. Microchemical Journal, 2021, 160, 105736.	4.5	4
40	Elucidating a Particulate Matter Deposition Episode by Combining Scanning Electron Microscopy and X-Ray Fluorescence Spectrometry. Analytical Sciences, 2005, 21, 763-767.	1.6	3
41	Assessment of CO2 capture and storage from thermal power plants in Argentina. , 2005, , 243-251.		2
42	Spectroscopic and Chromatographic Techniques and Methodologies for the Determination of Metals, Metalloids and Ions in Atmospheric Aerosols. Comprehensive Analytical Chemistry, 2015, 70, 239-266.	1.3	2