Beatriz H AristizÃ¡bal

List of Publications by Year
in descending order

32 papers	721 citations	516710 16 h-index	552781 26 g-index
32 all docs	32 docs citations	32 times ranked	832 citing authors

#	Article	IF	Citations
1	Spatial and temporal disaggregation of the on-road vehicle emission inventory in a medium-sized Andean city. Comparison of GIS-based top-down methodologies. Atmospheric Environment, 2018, 179, 142-155.	4.1	48
2	Relative impact of on-road vehicular and point-source industrial emissions of air pollutants in a medium-sized Andean city. Atmospheric Environment, 2017, 152, 279-289.	4.1	46
3	Acid rain and particulate matter dynamics in a mid-sized Andean city: The effect of rain intensity on ion scavenging. Atmospheric Environment, 2012, 60, 164-171.	4.1	45
4	Assessing Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans in Air across Latin American Countries Using Polyurethane Foam Disk Passive Air Samplers. Environmental Science & Technology, 2015, 49, 3680-3686.	10.0	45
5	Air monitoring of new and legacy POPs in the Group of Latin America and Caribbean (GRULAC) region. Environmental Pollution, 2018, 243, 1252-1262.	7.5	42
6	Screening of Pd and Ni supported on solâ€“gel derived oxides for dichloromethane hydrodechlorination. Journal of Molecular Catalysis A, 2004, 222, 189-198.	4.8	41
7	In situ FTIR study of the adsorption and reaction of ortho-dichlorobenzene on Pdâ€“Co sulfated zirconia catalysts. Journal of Catalysis, 2008, 258, 95-102.	6.2	41
8	Atmospheric Concentrations of New Persistent Organic Pollutants and Emerging Chemicals of Concern in the Group of Latin America and Caribbean (GRULAC) Region. Environmental Science & Technology, 2018, 52, 7240-7249.	10.0	40
9	PCDD/PCDF and dl-PCB in the ambient air of a tropical Andean city: Passive and active sampling measurements near industrial and vehicular pollution sources. Science of the Total Environment, 2014, 491-492, 67-74.	8.0	38
10	In situ FTIR study of the adsorption and reaction of ortho-dichlorobenzene over Pd-promoted Co-HMOR. Microporous and Mesoporous Materials, 2008, 112, 432-440.	4.4	35
11	Polychlorinated dibenzo-p-dioxin and dibenzofuran in urban air of an Andean city. Chemosphere, 2011, 85, 170-178.	8.2	34
12	Volcanic emissions and atmospheric pollution: A study of nanoparticles. Geoscience Frontiers, 2021, 12, 746-755.	8.4	32
13	High-resolution air quality modeling in a medium-sized city in the tropical Andes: Assessment of local and global emissions in understanding ozone and PM10 dynamics. Atmospheric Pollution Research, 2018, 9, 934-948.	3.8	30
14	Ortho-dichlorobenzene oxidation over Pd/Co loaded sulfated zirconia and mordenite catalysts. Applied Catalysis A: General, 2008, 335, 211-219.	4.3	27
15	Towards a regional passive air sampling network and strategy for new POPs in the GRULAC region: Perspectives from the GAPS Network and first results for organophosphorus flame retardants. Science of the Total Environment, 2016, 573, 1294-1302.	8.0	27
16	Environmental variation of PCDD/Fs and dl-PCBs in two tropical Andean Colombian cities using passive samplers. Science of the Total Environment, 2016, 568, 614-623.	8.0	16
17	Global intercomparison of polyurethane foam passive air samplers evaluating sources of variability in SVOC measurements. Environmental Science and Policy, 2021, 125, 1-9.	4.9	15
18	Analysis of polychlorinated dibenzo-p-dioxins and dibenzofurans in stack gas emissions by gas chromatography-atmospheric pressure chemical ionization-triple-quadrupole mass spectrometry. Journal of Chromatography A, 2017, 1513, 245-249.	3.7	12

#	Article	IF	Citations
19	Long-term monitoring programme of polychlorinated dioxins and polychlorinated furans in ambient air of Catalonia, Spain (1994â€“2015). Science of the Total Environment, 2018, 633, 738-744.	8.0	12
20	Dioxin emissions from thermal waste management in MedellÃn, Colombia: Present regulation status and preliminary results. Waste Management, 2007, 27, 1603-1610.	7.4	11
21	Catalytic activity and stability of Pd/Co catalysts in simultaneous selective catalytic reduction of NOx with methane and oxidation of o -dichlorobenzene. Catalysis Today, 2017, 296, 105-117.	4.4	11
22	Mixing layer height and slope wind oscillation: Factors that control ambient air SO2 in a tropical mountain city. Sustainable Cities and Society, 2020, 52, 101852.	10.4	11
23	Impact of polycyclic aromatic hydrocarbons in mangroves from the Colombian pacific coast: Evaluation in sediments and bivalves. Marine Pollution Bulletin, 2021, 172, 112828.	5.0	11
24	Spatial Distribution and Chemical Composition of Road Dust in Two High-Altitude Latin American Cities. Atmosphere, 2021, 12, 1109.	2.3	10
25	DROVE: An Algorithm for Spatial and Temporal Disaggregation of On-road Vehicle Emission Inventories. Aerosol and Air Quality Research, 2020, 20, 2765-2779.	2.1	10
26	Comparison of Top-Down and Bottom-Up Road Transport Emissions through High-Resolution Air Quality Modeling in a City of Complex Orography. Atmosphere, 2021, 12, 1372.	2.3	8
27	Multi-elemental analysis of particulate matter PM2.5 and PM10 by ICP OES. Talanta, 2021, 221, 121457.	5.5	7
28	Insights to WRF-Chem sensitivity in a zone of complex terrain in the tropical Andes: Effect of boundary conditions, chemical mechanisms, nesting, and domain configuration. Atmospheric Pollution Research, 2021, 12, 101093.	3.8	6
29	DISTRIBUCIÃ“N ESPACIAL DE CONCENTRACIONES DE SO2, NOX Y O3 EN EL AIRE AMBIENTE DE MANIZALES. Revista Internacional De Contaminacion Ambiental, 2018, 34, 489-504.	0.4	5
30	Air-Quality Monitoring in an Urban Area in the Tropical Andes. IEEE Potentials, 2018, 37, 34-39.	0.3	4
31	BVOC Emissions Along the Eastern and Western Slopes of the Andes Central Range with Strong Altitudinal Gradient over a Wide Range of Andean Ecosystems: Model Estimation/Disaggregation with BIGA. Environmental Modeling and Assessment, 2020, 25, 761-773.	2.2	1
32	Dataset for evaluating WRF-Chem sensitivity to biogenic emission inventories in a tropical region. Global online model (MEGAN) vs local offline model (BIGA). Data in Brief, 2021, 38, 107438.	1.0	0