

Dara Salcedo

List of Publications by Year in descending order

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33
papers

8,291
citations

394390

19
h-index

395678

33
g-index

33
all docs

33
docs citations

33
times ranked

5436
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of Organic Aerosols in the Atmosphere. <i>Science</i> , 2009, 326, 1525-1529.	12.6	3,374
2	Ubiquity and dominance of oxygenated species in organic aerosols in anthropogenically influenced Northern Hemisphere midlatitudes. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	1,773
3	Secondary organic aerosol formation from anthropogenic air pollution: Rapid and higher than expected. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	1,027
4	Mexico City aerosol analysis during MILAGRO using high resolution aerosol mass spectrometry at the urban supersite (T0) – Part 1: Fine particle composition and organic source apportionment. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 6633-6653.	4.9	525
5	A missing sink for gas-phase glyoxal in Mexico City: Formation of secondary organic aerosol. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	415
6	Characterization of ambient aerosols in Mexico City during the MCMA-2003 campaign with Aerosol Mass Spectrometry: results from the CENICA Supersite. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 925-946.	4.9	341
7	Detection of particle-phase polycyclic aromatic hydrocarbons in Mexico City using an aerosol mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2007, 263, 152-170.	1.5	167
8	Total observed organic carbon (TOOC) in the atmosphere: a synthesis of North American observations. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 2007-2025.	4.9	94
9	Homogeneous Freezing of Concentrated Aqueous Nitric Acid Solutions at Polar Stratospheric Temperatures. <i>Journal of Physical Chemistry A</i> , 2001, 105, 1433-1439.	2.5	70
10	Technical Note: Use of a beam width probe in an Aerosol Mass Spectrometer to monitor particle collection efficiency in the field. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 549-556.	4.9	57
11	Impact of Trash Burning on Air Quality in Mexico City. <i>Environmental Science & Technology</i> , 2012, 46, 4950-4957.	10.0	51
12	Determination of particulate lead using aerosol mass spectrometry: MILAGRO/MCMA-2006 observations. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5371-5389.	4.9	48
13	Comparative Analysis of Urban Atmospheric Aerosol by Particle-Induced X-ray Emission (PIXE), Proton Elastic Scattering Analysis (PESA), and Aerosol Mass Spectrometry (AMS). <i>Environmental Science & Technology</i> , 2008, 42, 6619-6624.	10.0	36
14	Implementation of a Markov Chain Monte Carlo method to inorganic aerosol modeling of observations from the MCMA-2003 campaign – Part II: Model application to the CENICA, Pedregal and Santa Ana sites. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 4889-4904.	4.9	34
15	Phase Transformations of Micron-Sized H ₂ SO ₄ /H ₂ O Particles Studied by Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1997, 101, 5307-5313.	2.6	33
16	Equilibrium Phase Diagrams of Aqueous Mixtures of Malonic Acid and Sulfate/Ammonium Salts. <i>Journal of Physical Chemistry A</i> , 2006, 110, 12158-12165.	2.5	29
17	Feasibility of the Detection of Trace Elements in Particulate Matter Using Online High-Resolution Aerosol Mass Spectrometry. <i>Aerosol Science and Technology</i> , 2012, 46, 1187-1200.	3.1	28
18	Nucleation rates of nitric acid dihydrate in 10 ⁻² HNO ₃ /H ₂ O solutions at stratospheric temperatures. <i>Geophysical Research Letters</i> , 2000, 27, 193-196.	4.0	23

#	ARTICLE	IF	CITATIONS
19	Study of the regional air quality south of Mexico City (Morelos state). <i>Science of the Total Environment</i> , 2012, 414, 417-432.	8.0	22
20	Nanoparticle size distributions in Mexico city. <i>Atmospheric Pollution Research</i> , 2020, 11, 78-84.	3.8	20
21	Effect of relative humidity on the detection of sulfur dioxide and sulfuric acid using a chemical ionization mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2004, 231, 17-30.	1.5	19
22	Seasonal changes in the PM1 chemical composition north of Mexico City. <i>Atmosfera</i> , 2017, 30, 243-258.	0.8	16
23	Self-association of 1,2-diols Apparent heat capacities of 1,2-diols in n-heptane and carbon tetrachloride. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 3781-3789.	1.7	14
24	Assessment of sample preparation methods for the analysis of trace elements in airborne particulate matter. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 753-761.	3.0	14
25	Deliquescence of sulfuric acid tetrahydrate following volcanic eruptions or denitrification. <i>Geophysical Research Letters</i> , 1998, 25, 31-34.	4.0	10
26	Temporal variations of black carbon, carbon monoxide, and carbon dioxide in Mexico City: Mutual correlations and evaluation of emissions inventories. <i>Urban Climate</i> , 2021, 37, 100855.	5.7	10
27	PM1 Chemical Characterization during the ACU15 Campaign, South of Mexico City. <i>Atmosphere</i> , 2018, 9, 232.	2.3	9
28	Optical properties of atmospheric particles over an urban site in Mexico City and a peri-urban site in Queretaro. <i>Journal of Atmospheric Chemistry</i> , 2019, 76, 201-228.	3.2	9
29	Using trace element content and lead isotopic composition to assess sources of PM in Tijuana, Mexico. <i>Atmospheric Environment</i> , 2016, 132, 171-178.	4.1	8
30	Source Apportionment of Particulate Matter in the Metropolitan Area of Querétaro (Central Mexico): First Case Study. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2347-2355.	2.7	7
31	Water-soluble inorganic ions of size-differentiated atmospheric particles from a suburban site of Mexico City. <i>Journal of Atmospheric Chemistry</i> , 2018, 75, 155-169.	3.2	6
32	A comparison between Calé“Mex in Tijuana and Cal-Nex in Pasadena on aerosol optical properties, ozone and reactive nitrogen. <i>Urban Climate</i> , 2014, 10, 782-800.	5.7	1
33	Variations of Black Carbon Concentrations in Two Sites in Mexico: A High-Altitude National Park and a Semi-Urban Site. <i>Atmosphere</i> , 2022, 13, 216.	2.3	1