

# Dara Salcedo

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

8,291  
citations

394421  
19  
h-index

395702  
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 &amp; 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 &amp; 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 <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> 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 <sup>-2</sup> HNO <sub>3</sub> /H <sub>2</sub> O solutions at stratospheric temperatures. <i>Geophysical Research Letters</i> , 2000, 27, 193-196.   | 4.0  | 23        |

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|----|---|-----|-----------|
| 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 Quer taro (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 Cal  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         |