

Dara Salcedo

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

6,967
citations

18
h-index

33
g-index

33
ext. papers

7,804
ext. citations

5.8
avg, IF

4.35
L-index

#	Paper	IF	Citations
33	Evolution of organic aerosols in the atmosphere. <i>Science</i> , 2009 , 326, 1525-9	33.3	2767
32	Ubiquity and dominance of oxygenated species in organic aerosols in anthropogenically-influenced Northern Hemisphere midlatitudes. <i>Geophysical Research Letters</i> , 2007 , 34, n/a-n/a	4.9	1497
31	Secondary organic aerosol formation from anthropogenic air pollution: Rapid and higher than expected. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	895
30	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	6.8	440
29	A missing sink for gas-phase glyoxal in Mexico City: Formation of secondary organic aerosol. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	376
28	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	6.8	302
27	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	1.9	137
26	Total observed organic carbon (TOOC) in the atmosphere: a synthesis of North American observations. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 2007-2025	6.8	81
25	Homogeneous Freezing of Concentrated Aqueous Nitric Acid Solutions at Polar Stratospheric Temperatures \square <i>Journal of Physical Chemistry A</i> , 2001 , 105, 1433-1439	2.8	61
24	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	6.8	56
23	Impact of trash burning on air quality in Mexico City. <i>Environmental Science & Technology</i> , 2012 , 46, 4950-7	10.3	46
22	Determination of particulate lead using aerosol mass spectrometry: MILAGRO/MCMA-2006 observations. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 5371-5389	6.8	37
21	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, 6619-24	10.3	33
20	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	3.4	29
19	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	6.8	29
18	Equilibrium phase diagrams of aqueous mixtures of malonic acid and sulfate/ammonium salts. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 12158-65	2.8	28
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	3.4	23

16	Nucleation rates of nitric acid dihydrate in 1:2 HNO ₃ /H ₂ O solutions at stratospheric temperatures. <i>Geophysical Research Letters</i> , 2000 , 27, 193-196	4.9	21
15	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	1.9	17
14	Study of the regional air quality south of Mexico City (Morelos state). <i>Science of the Total Environment</i> , 2012 , 414, 417-32	10.2	15
13	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	3.7	12
12	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		12
11	Nanoparticle size distributions in Mexico city. <i>Atmospheric Pollution Research</i> , 2020 , 11, 78-84	4.5	12
10	Deliquescence of sulfuric acid tetrahydrate following volcanic eruptions or denitrification. <i>Geophysical Research Letters</i> , 1998 , 25, 31-34	4.9	10
9	Seasonal changes in the PM ₁ chemical composition north of Mexico City. <i>Atmosfera</i> , 2017 , 30, 243-258	2.5	9
8	Using trace element content and lead isotopic composition to assess sources of PM in Tijuana, Mexico. <i>Atmospheric Environment</i> , 2016 , 132, 171-178	5.3	6
7	PM ₁ Chemical Characterization during the ACU15 Campaign, South of Mexico City. <i>Atmosphere</i> , 2018 , 9, 232	2.7	5
6	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	6.8	5
5	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	3
4	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	2
3	A comparison between CalMex in Tijuana and Cal-Nex in Pasadena on aerosol optical properties, ozone and reactive nitrogen. <i>Urban Climate</i> , 2014 , 10, 782-800	6.8	1
2	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	2.7	0
1	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	3.2	0