

# Erin E Mcduffie

## List of Publications by Year in Descending Order

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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.

35  
papers

741  
citations

17  
h-index

26  
g-index

57  
ext. papers

1,082  
ext. citations

5.9  
avg, IF

3.68  
L-index

#	Paper	IF	Citations
35	Source sector and fuel contributions to ambient PM and attributable mortality across multiple spatial scales. <i>Nature Communications</i> , <b>2021</b> , 12, 3594	17.4	31
34	Effects of COVID-19 lockdowns on fine particulate matter concentrations. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	17
33	Wintertime Formaldehyde: Airborne Observations and Source Apportionment Over the Eastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033518	4.4	2
32	Factors controlling marine aerosol size distributions and their climate effects over the northwest Atlantic Ocean region. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 1889-1916	6.8	5
31	Effects of Anthropogenic Chlorine on PM and Ozone Air Quality in China. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 9908-9916	10.3	18
30	Long-term observational constraints of organic aerosol dependence on inorganic species in the southeast US. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 13091-13107	6.8	5
29	A global anthropogenic emission inventory of atmospheric pollutants from sector- and fuel-specific sources (1970-2017): an application of the Community Emissions Data System (CEDS). <i>Earth System Science Data</i> , <b>2020</b> , 12, 3413-3442	10.5	50
28	On the contribution of nocturnal heterogeneous reactive nitrogen chemistry to particulate matter formation during wintertime pollution events in Northern Utah. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 9287-9308	6.8	17
27	Wintertime Spatial Distribution of Ammonia and its Emission Sources in the Great Salt Lake Region <b>2019</b> ,		3
26	Sulfate and Carboxylate Suppress the Formation of ClNO <sub>2</sub> at Atmospheric Interfaces. <i>ACS Earth and Space Chemistry</i> , <b>2019</b> , 3, 1987-1997	3.2	11
25	Rates of Wintertime Atmospheric SO <sub>2</sub> Oxidation based on Aircraft Observations during Clear-Sky Conditions over the Eastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 6630-6649	4.4	8
24	An Odd Oxygen Framework for Wintertime Ammonium Nitrate Aerosol Pollution in Urban Areas: NO <sub>x</sub> and VOC Control as Mitigation Strategies. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 4971-4979	4.9	45
23	Observational Constraints on the Formation of Cl <sub>2</sub> From the Reactive Uptake of ClNO <sub>2</sub> on Aerosols in the Polluted Marine Boundary Layer. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 8851-8869	4.4	10
22	Comparison of Airborne Reactive Nitrogen Measurements During WINTER. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 10483-10502	4.4	4
21	Wintertime spatial distribution of ammonia and its emission sources in the Great Salt Lake region. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 15691-15709	6.8	11
20	Anthropogenic control over wintertime oxidation of atmospheric pollutants. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 14826-14835	4.9	20
19	Heterogeneous N <sub>2</sub> O <sub>5</sub> Uptake During Winter: Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of Current Parameterizations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 4345-4372	4.4	69

18	Wintertime Overnight NO <sub>x</sub> Removal in a Southeastern United States Coal-fired Power Plant Plume: A Model for Understanding Winter NO <sub>x</sub> Processing and its Implications. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 1412-1425	4.4	13
17	Flight Deployment of a High-Resolution Time-of-Flight Chemical Ionization Mass Spectrometer: Observations of Reactive Halogen and Nitrogen Oxide Species. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 7670	4.4	25
16	Sources and Secondary Production of Organic Aerosols in the Northeastern United States during WINTER. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 7771-7796	4.4	57
15	NO <sub>x</sub> Lifetime and NO <sub>y</sub> Partitioning During WINTER. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 9813-9827	4.4	32
14	Airborne and ground-based observations of ammonium-nitrate-dominated aerosols in a shallow boundary layer during intense winter pollution episodes in northern Utah. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 17259-17276	6.8	18
13	ClNO <sub>2</sub> Yields From Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of the Current Parameterization. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 12,994	4.4	24
12	Nitrogen Oxides Emissions, Chemistry, Deposition, and Export Over the Northeast United States During the WINTER Aircraft Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 12,368	4.4	32
11	Airborne Observations of Reactive Inorganic Chlorine and Bromine Species in the Exhaust of Coal-Fired Power Plants. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 11225-11237	4.4	21
10	Tropospheric sources and sinks of gas-phase acids in the Colorado Front Range. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 12315-12327	6.8	18
9	Top-Down Estimates of NO <sub>x</sub> and CO Emissions From Washington, D.C.-Baltimore During the WINTER Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 7705-7724	4.4	24
8	Cavity enhanced spectroscopy for measurement of nitrogen oxides in the Anthropocene: results from the Seoul tower during MAPS 2015. <i>Faraday Discussions</i> , <b>2017</b> , 200, 529-557	3.6	17
7	Observations of Acyl Peroxy Nitrates During the Front Range Air Pollution and Photochemistry Experiment (FRAPP). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 12,416-12,432	4.4	11
6	Quantifying TOLNet Ozone Lidar Accuracy during the 2014 DISCOVER-AQ and FRAPP Campaigns. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 3865-3876	4	15
5	Tall Tower Vertical Profiles and Diurnal Trends of Ammonia in the Colorado Front Range. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 12,468	4.4	18
4	Higher measured than modeled ozone production at increased NO <sub>x</sub> levels in the Colorado Front Range. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 11273-11292	6.8	15
3	Influence of oil and gas emissions on summertime ozone in the Colorado Northern Front Range. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 8712-8729	4.4	62
2	A global anthropogenic emission inventory of atmospheric pollutants from sector- and fuel-specific sources (1970-2017): An application of the Community Emissions Data System (CEDS)		2
1	Urban NO <sub>x</sub> emissions around the world declined faster than anticipated between 2005 and 2019. <i>Environmental Research Letters</i> ,	6.2	5

