Sarah A Strode

List of Publications by Year
in descending order

56 papers	7,429 citations	126858 33 h-index	155592 55 g-index
93 all docs	93 docs citations	93 times ranked	9630 citing authors

#	Article	IF	Citations
1	The NASA Atmospheric Tomography (ATom) Mission: Imaging the Chemistry of the Global Atmosphere. Bulletin of the American Meteorological Society, 2022, 103, E761-E790.	1.7	39
2	Mapping Yearly Fine Resolution Global Surface Ozone through the Bayesian Maximum Entropy Data Fusion of Observations and Model Output for 1990â€“2017. Environmental Science & Technology, 2021, 55, 4389-4398.	4.6	47
3	Description of the NASA GEOS Composition Forecast Modeling System GEOSâ€CF v1.0. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002413.	1.3	52
4	Troposphericc Ageâ€ofâ€Air: Influence of SF₆ Emissions on Recent Surface Trends and Model Biases. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035451.	1.2	3
5	Heterogeneity and chemical reactivity of the remote troposphere defined by aircraft measurements. Atmospheric Chemistry and Physics, 2021, 21, 13729-13746.	1.9	4
6	Aircraft observations since the 1990s reveal increases of tropospheric ozone at multiple locations across the Northern Hemisphere. Science Advances, 2020, 6, .	4.7	64
7	Surface Ozoneâ€Meteorology Relationships: Spatial Variations and the Role of the Jet Stream. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032735.	1.2	12
8	The impacts of fossil fuel emission uncertainties and accounting for 3-D chemical CO2 production on inverse natural carbon flux estimates from satellite and in situ data. Environmental Research Letters, 2020, 15, 085002.	2.2	7
9	Abrupt decline in tropospheric nitrogen dioxide over China after the outbreak of COVID-19. Science Advances, 2020, 6, eabc2992.	4.7	208
10	Attribution of Chemistry-Climate Model Initiative (CCMI) ozone radiative flux bias from satellites. Atmospheric Chemistry and Physics, 2020, 20, 281-301.	1.9	6
11	On the role of trend and variability in the hydroxyl radical (OH) in the global methane budget. Atmospheric Chemistry and Physics, 2020, 20, 13011-13022.	1.9	18
12	Strong sensitivity of the isotopic composition of methane to the plausible range of tropospheric chlorine. Atmospheric Chemistry and Physics, 2020, 20, 8405-8419.	1.9	21
13	Disentangling the Drivers of the Summertime Ozoneâ€Temperature Relationship Over the United States. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10503-10524.	1.2	24
14	Trends in global tropospheric ozone inferred from a composite record of TOMS/OMI/MLS/OMPS satellite measurements and the MERRA-2 GMI simulation. Atmospheric Chemistry and Physics, 2019, 19, 3257-3269.	1.9	119
15	Inter-model comparison of global hydroxyl radical (OH) distributions and their impact on atmospheric methane over the 2000â€“2016 period. Atmospheric Chemistry and Physics, 2019, 19, 13701-13723.	1.9	52
16	Global changes in the diurnal cycle of surface ozone. Atmospheric Environment, 2019, 199, 323-333.	1.9	53
17	Cloud impacts on photochemistry: building a climatology of photolysis rates from the Atmospheric Tomography mission. Atmospheric Chemistry and Physics, 2018, 18, 16809-16828.	1.9	34
18	Forecasting carbon monoxide on a global scale for the ATom-1 aircraft mission: insights from airborne and satellite observations and modeling. Atmospheric Chemistry and Physics, 2018, 18, 10955-10971.	1.9	10

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19	Changes in Global Tropospheric OH Expected as a Result of Climate Change Over the Last Several Decades. Journal of Geophysical Research D: Atmospheres, 2018, 123, 10,774.	1.2	31
20	How well can global chemistry models calculate the reactivity of short-lived greenhouse gases in the remote troposphere, knowing the chemical composition. Atmospheric Measurement Techniques, 2018, 11, 2653-2668.	1.2	15
21	A Model and Satelliteâ€Based Analysis of the Tropospheric Ozone Distribution in Clear Versus Convectively Cloudy Conditions. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,948.	1.2	3
22	Global atmospheric chemistry â€“ which air matters. Atmospheric Chemistry and Physics, 2017, 17, 9081-9102.	1.9	32
23	A cloud-ozone data product from Aura OMI and MLS satellite measurements. Atmospheric Measurement Techniques, 2017, 10, 4067-4078.	1.2	13
24	Variability of O3 and NO2 profile shapes during DISCOVER-AQ: Implications for satellite observations and comparisons to model-simulated profiles. Atmospheric Environment, 2016, 147, 133-156.	1.9	9
25	The effect of future ambient air pollution on human premature mortality to 2100 using output from the ACCMIP model ensemble. Atmospheric Chemistry and Physics, 2016, 16, 9847-9862.	1.9	101
26	Interpreting space-based trends in carbon monoxide with multiple models. Atmospheric Chemistry and Physics, 2016, 16, 7285-7294.	1.9	31
27	The description and validation of the computationally Efficient CH₄â€“COâ€“OH (ECCOHv1.01) chemistry module for 3-D model applications. Geoscientific Model Development, 2016, 9, 799-822.	1.3	9
28	Trends and variability in surface ozone over the United States. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9020-9042.	1.2	90
29	Implications of carbon monoxide bias for methane lifetime and atmospheric composition in chemistry climate models. Atmospheric Chemistry and Physics, 2015, 15, 11789-11805.	1.9	47
30	The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations. Atmospheric Chemistry and Physics, 2015, 15, 6721-6744.	1.9	62
31	Use of North American and European air quality networks to evaluate global chemistryâ€“climate modeling of surface ozone. Atmospheric Chemistry and Physics, 2015, 15, 10581-10596.	1.9	50
32	Multi-decadal aerosol variations from 1980 to 2009: a perspective from observations and a global model. Atmospheric Chemistry and Physics, 2014, 14, 3657-3690.	1.9	240
33	Three decades of global methane sources and sinks. Nature Geoscience, 2013, 6, 813-823.	5.4	1,649
34	Global premature mortality due to anthropogenic outdoor air pollution and the contribution of past climate change. Environmental Research Letters, 2013, 8, 034005.	2.2	381
35	The Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): overview and description of models, simulations and climate diagnostics. Geoscientific Model Development, 2013, 6, 179-206.	1.3	388
36	Preindustrial to present-day changes in tropospheric hydroxyl radical and methane lifetime from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, 2013, 13, 5277-5298.	1.9	288

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37	Pre-industrial to end 21st century projections of tropospheric ozone from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, 2013, 13, 2063-2090.	1.9	570
38	Multi-model mean nitrogen and sulfur deposition from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): evaluation of historical and projected future changes. Atmospheric Chemistry and Physics, 2013, 13, 7997-8018.	1.9	279
39	Tropospheric ozone changes, radiative forcing and attribution to emissions in the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, 2013, 13, 3063-3085.	1.9	361
40	Analysis of present day and future OH and methane lifetime in the ACCMIP simulations. Atmospheric Chemistry and Physics, 2013, 13, 2563-2587.	1.9	257
41	Evaluation of ACCMIP outgoing longwave radiation from tropospheric ozone using TES satellite observations. Atmospheric Chemistry and Physics, 2013, 13, 4057-4072.	1.9	61
42	Detection of carbon monoxide trends in the presence of interannual variability. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,257.	1.2	19
43	Emission and transport of cesiumâ€137 from boreal biomass burning in the summer of 2010. Journal of Geophysical Research, 2012, 117, .	3.3	17
44	Vertical transport of anthropogenic mercury in the ocean. Global Biogeochemical Cycles, 2010, 24, .	1.9	28
45	Greenhouse Gas Emissions from U.S. Institutions of Higher Education. Journal of the Air and Waste Management Association, 2010, 60, 568-573.	0.9	46
46	An Improved Global Model for Air-Sea Exchange of Mercury: High Concentrations over the North Atlantic. Environmental Science & Technology, 2010, 44, 8574-8580.	4.6	225
47	Impact of mercury emissions from historic gold and silver mining: Global modeling. Atmospheric Environment, 2009, 43, 2012-2017.	1.9	37
48	Mercury sources, distribution, and bioavailability in the North Pacific Ocean: Insights from data and models. Global Biogeochemical Cycles, 2009, 23, .	1.9	378
49	Interannual variability of long-range transport as seen at the Mt. Bachelor observatory. Atmospheric Chemistry and Physics, 2009, 9, 557-572.	1.9	28
50	The Geos-Chem model. , 2009, , 533-545.		10
51	Global 3â€D landâ€oceanâ€atmosphere model for mercury: Presentâ€day versus preindustrial cycles and anthropogenic enrichment factors for deposition. Global Biogeochemical Cycles, 2008, 22, .	1.9	174
52	Transâ€Pacific transport of mercury. Journal of Geophysical Research, 2008, 113, .	3.3	83
53	Correction to â€œGlobal 3â€D landâ€oceanâ€atmosphere model for mercury: Presentâ€day versus preindustrial cycles and anthropogenic enrichment factors for depositionâ€. Global Biogeochemical Cycles, 2008, 22, .	1.9	24
54	Sources, fate and transport of atmospheric mercury from Asia. Environmental Chemistry, 2008, 5, 121.	0.7	61

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55	Chemical cycling and deposition of atmospheric mercury: Global constraints from observations. Journal of Geophysical Research, 2007, 112, .	3.3	351
56	Air-sea exchange in the global mercury cycle. Global Biogeochemical Cycles, 2007, 21, .	1.9	193