

# Jin Liao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11276887/publications.pdf>

Version: 2024-02-01

24  
papers

1,255  
citations

516710

16  
h-index

610901

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

2054  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Framework for 0-D Atmospheric Modeling (FOAM) v3.1. <i>Geoscientific Model Development</i> , 2016, 9, 3309-3319.	3.6	189
2	High levels of molecular chlorine in the Arctic atmosphere. <i>Nature Geoscience</i> , 2014, 7, 91-94.	12.9	105
3	Airborne measurements of organosulfates over the continental U.S.. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2990-3005.	3.3	96
4	Aerosol optical properties in the southeastern United States in summer – Part 1: Hygroscopic growth. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4987-5007.	4.9	88
5	Evidence of Reactive Aromatics As a Major Source of Peroxy Acetyl Nitrate over China. <i>Environmental Science &amp; Technology</i> , 2010, 44, 7017-7022.	10.0	84
6	Evidence of Aerosols as a Media for Rapid Daytime HONO Production over China. <i>Environmental Science &amp; Technology</i> , 2014, 48, 14386-14391.	10.0	79
7	Anthropogenic enhancements to production of highly oxygenated molecules from autoxidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6641-6646.	7.1	78
8	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11201-11224.	4.9	60
9	The relative importance of chlorine and bromine radicals in the oxidation of atmospheric mercury at Barrow, Alaska. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	59
10	Instrumentation and measurement strategy for the NOAA SENEX aircraft campaign as part of the Southeast Atmosphere Study 2013. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3063-3093.	3.1	58
11	Mapping hydroxyl variability throughout the global remote troposphere via synthesis of airborne and satellite formaldehyde observations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11171-11180.	7.1	58
12	Enhanced formation of isoprene-derived organic aerosol in sulfur-rich power plant plumes during Southeast Nexus. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,137.	3.3	50
13	Observational constraints on glyoxal production from isoprene oxidation and its contribution to organic aerosol over the Southeast United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9849-9861.	3.3	48
14	Secondary organic aerosol (SOA) yields from NO <sub>2</sub> radical + isoprene based on nighttime aircraft power plant plume transects. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11663-11682.	4.9	47
15	Ozone chemistry in western U.S. wildfire plumes. <i>Science Advances</i> , 2021, 7, eabl3648.	10.3	45
16	Formaldehyde evolution in US wildfire plumes during the Fire Influence on Regional to Global Environments and Air Quality experiment (FIREX-AQ). <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 18319-18331.	4.9	24
17	Arctic springtime observations of volatile organic compounds during the OASIS-2009 campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9789-9813.	3.3	16
18	Role of Criegee Intermediates in Secondary Sulfate Aerosol Formation in Nocturnal Power Plant Plumes in the Southeast US. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 748-759.	2.7	16

#	ARTICLE	IF	CITATIONS
19	Towards a satellite formaldehyde “ in situ hybrid estimate for organic aerosol abundance. Atmospheric Chemistry and Physics, 2019, 19, 2765-2785.	4.9	15
20	Drivers of cloud droplet number variability in the summertime in the southeastern United States. Atmospheric Chemistry and Physics, 2020, 20, 12163-12176.	4.9	12
21	Bromine atom production and chain propagation during springtime Arctic ozone depletion events in Barrow, Alaska. Atmospheric Chemistry and Physics, 2017, 17, 3401-3421.	4.9	11
22	Single-particle measurements of bouncing particles and in situ collection efficiency from an airborne aerosol mass spectrometer (AMS) with light-scattering detection. Atmospheric Measurement Techniques, 2017, 10, 3801-3820.	3.1	10
23	Evolution of formaldehyde (HCHO) in a plume originating from a petrochemical industry and its volatile organic compounds (VOCs) emission rate estimation. Elementa, 2021, 9, .	3.2	6
24	Limited impact of sulfate-driven chemistry on black carbon aerosol aging in power plant plumes. AIMS Environmental Science, 2018, 5, 195-215.	1.4	1