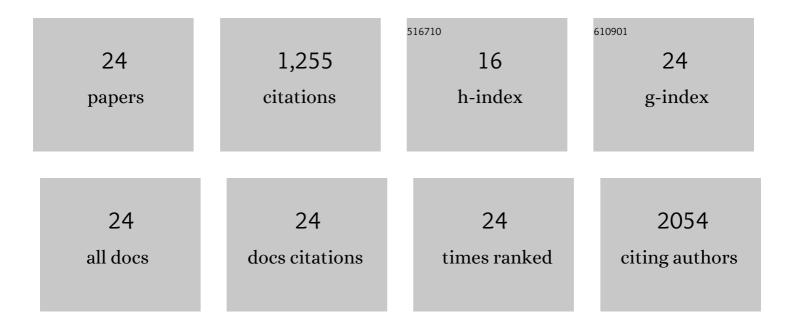
## Jin Liao

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11276887/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	The Framework for 0-D Atmospheric Modeling (F0AM) v3.1. Geoscientific Model Development, 2016, 9, 3309-3319.	3.6	189
2	High levels of molecular chlorine in the Arctic atmosphere. Nature Geoscience, 2014, 7, 91-94.	12.9	105
3	Airborne measurements of organosulfates over the continental U.S Journal of Geophysical Research D: Atmospheres, 2015, 120, 2990-3005.	3.3	96
4	Aerosol optical properties in the southeastern United States in summer – PartÂ1: Hygroscopic growth. Atmospheric Chemistry and Physics, 2016, 16, 4987-5007.	4.9	88
5	Evidence of Reactive Aromatics As a Major Source of Peroxy Acetyl Nitrate over China. Environmental Science & Technology, 2010, 44, 7017-7022.	10.0	84
6	Evidence of Aerosols as a Media for Rapid Daytime HONO Production over China. Environmental Science & Technology, 2014, 48, 14386-14391.	10.0	79
7	Anthropogenic enhancements to production of highly oxygenated molecules from autoxidation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6641-6646.	7.1	78
8	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. Atmospheric Chemistry and Physics, 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. Journal of Geophysical Research, 2012, 117, .	3.3	59
10	Instrumentation and measurement strategy for the NOAA SENEX aircraft campaign as part of the Southeast Atmosphere Study 2013. Atmospheric Measurement Techniques, 2016, 9, 3063-3093.	3.1	58
11	Mapping hydroxyl variability throughout the global remote troposphere via synthesis of airborne and satellite formaldehyde observations. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11171-11180.	7.1	58
12	Enhanced formation of isopreneâ€derived organic aerosol in sulfurâ€rich power plant plumes during Southeast Nexus. Journal of Geophysical Research D: Atmospheres, 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. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9849-9861.	3.3	48
14	Secondary organic aerosol (SOA) yields from NO <sub>3</sub> radical + isoprene based on nighttime aircraft power plant plume transects. Atmospheric Chemistry and Physics, 2018, 18, 11663-11682.	4.9	47
15	Ozone chemistry in western U.S. wildfire plumes. Science Advances, 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). Atmospheric Chemistry and Physics, 2021, 21, 18319-18331.	4.9	24
17	Arctic springtime observations of volatile organic compounds during the OASISâ€2009 campaign. Journal of Geophysical Research D: Atmospheres, 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. ACS Earth and Space Chemistry, 2019, 3, 748-759.	2.7	16

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#	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