

# Ying Li

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,731  
citations

331670

21  
h-index

315739

38  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2088  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global distribution of particle phase state in atmospheric secondary organic aerosols. <i>Nature Communications</i> , 2017, 8, 15002.	12.8	295
2	Molecular Characterization of Brown Carbon in Biomass Burning Aerosol Particles. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11815-11824.	10.0	237
3	Molecular corridors and parameterizations of volatility in the chemical evolution of organic aerosols. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3327-3344.	4.9	170
4	Predicting the glass transition temperature and viscosity of secondary organic material using molecular composition. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6331-6351.	4.9	116
5	A review on ice fog measurements and modeling. <i>Atmospheric Research</i> , 2015, 151, 2-19.	4.1	68
6	Impacts of HONO sources on the air quality in Beijing, Tianjin and Hebei Province of China. <i>Atmospheric Environment</i> , 2011, 45, 4735-4744.	4.1	63
7	Enhancements of major aerosol components due to additional HONO sources in the North China Plain and implications for visibility and haze. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 57-66.	4.3	57
8	Timescales of secondary organic aerosols to reach equilibrium at various temperatures and relative humidities. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5959-5971.	4.9	53
9	Aqueous Photochemistry of Secondary Organic Aerosol of $\alpha$ -Pinene and $\alpha$ -Humulene Oxidized with Ozone, Hydroxyl Radical, and Nitrate Radical. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1298-1309.	2.5	51
10	Predictions of the glass transition temperature and viscosity of organic aerosols from volatility distributions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8103-8122.	4.9	47
11	Impacts of an unknown daytime HONO source on the mixing ratio and budget of HONO, and hydroxyl, hydroperoxyl, and organic peroxy radicals, in the coastal regions of China. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9381-9398.	4.9	46
12	Summertime aerosol volatility measurements in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10205-10216.	4.9	45
13	Local and distant source contributions to secondary organic aerosol in the Beijing urban area in summer. <i>Atmospheric Environment</i> , 2016, 124, 176-185.	4.1	37
14	Predictions of diffusion rates of large organic molecules in secondary organic aerosols using the Stokes-Einstein and fractional Stokes-Einstein relations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10073-10085.	4.9	35
15	Humidity-Dependent Viscosity of Secondary Organic Aerosol from Ozonolysis of $\beta$ -Caryophyllene: Measurements, Predictions, and Implications. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 305-318.	2.7	32
16	Effects of NO <sub>x</sub> and VOCs from five emission sources on summer surface O <sub>3</sub> over the Beijing-Tianjin-Hebei region. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 787-800.	4.3	30
17	Increase of High Molecular Weight Organosulfate With Intensifying Urban Air Pollution in the Megacity Beijing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032200.	3.3	30
18	Investigating the evolution of summertime secondary atmospheric pollutants in urban Beijing. <i>Science of the Total Environment</i> , 2016, 572, 289-300.	8.0	28

#	ARTICLE	IF	CITATIONS
19	Liquid–liquid phase separation and viscosity within secondary organic aerosol generated from diesel fuel vapors. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12515-12529.	4.9	27
20	Midlatitude cirrus cloud radiative forcing over China. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	25
21	Organic aerosol volatility and viscosity in the North China Plain: contrast between summer and winter. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 5463-5476.	4.9	22
22	Impacts of uncertainty in AVOC emissions on the summer ROx budget and ozone production rate in the three most rapidly-developing economic growth regions of China. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 1331-1342.	4.3	21
23	Indoor aerosol water content and phase state in U.S. residences: impacts of relative humidity, aerosol mass and composition, and mechanical system operation. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 2031-2057.	3.5	20
24	Impacts of additional HONO sources on O <sub>3</sub> and PM <sub>2.5</sub> ; chemical coupling and control strategies in the Beijing–Tianjin–Hebei region of China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 67, 23930.	1.6	17
25	Source apportionment of secondary organic aerosols in the Pearl River Delta region: Contribution from the oxidation of semi-volatile and intermediate volatility primary organic aerosols. <i>Atmospheric Environment</i> , 2020, 222, 117111.	4.1	17
26	Uncertainty in the uptake coefficient for HONO formation on soot and its impacts on concentrations of major chemical components in the Beijing–Tianjin–Hebei region. <i>Atmospheric Environment</i> , 2014, 84, 163-171.	4.1	15
27	Increase of nitrooxy organosulfates in firework-related urban aerosols during Chinese New Year's Eve. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11453-11465.	4.9	14
28	Viscosity and liquid–liquid phase separation in healthy and stressed plant SOA. <i>Environmental Science Atmospheres</i> , 2021, 1, 140-153.	2.4	14
29	Global Distribution of the Phase State and Mixing Times within Secondary Organic Aerosol Particles in the Troposphere Based on Room-Temperature Viscosity Measurements. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 3458-3473.	2.7	14
30	Effects of additional HONO sources on visibility over the North China Plain. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 1221-1232.	4.3	13
31	Emerging investigator series: chemical and physical properties of organic mixtures on indoor surfaces during HOMEChem. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 559-568.	3.5	12
32	Diurnal and Seasonal Variations in the Phase State of Secondary Organic Aerosol Material over the Contiguous US Simulated in CMAQ. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1971-1982.	2.7	12
33	Toward closure between predicted and observed particle viscosity over a wide range of temperatures and relative humidity. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1127-1141.	4.9	12
34	Estimation of secondary organic aerosol viscosity from explicit modeling of gas-phase oxidation of isoprene and $\alpha$ -pinene. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10199-10213.	4.9	10
35	Impacts of Additional HONO Sources on Concentrations and Deposition of NO <sub>y</sub> in the Beijing-Tianjin-Hebei Region of China. <i>Scientific Online Letters on the Atmosphere</i> , 2015, 11, 36-42.	1.4	6
36	Impacts of Photoexcited NO <sub>2</sub> Chemistry and Heterogeneous Reactions on Concentrations of O <sub>3</sub> and NO <sub>y</sub> in Beijing, Tianjin and Hebei Province of China. , 0, , .		5

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37	Validation of the Institute of Atmospheric Physics emergency response model with the meteorological towers measurements and SF6 diffusion and pool fire experiments. Atmospheric Environment, 2013, 81, 60-67.	4.1	5
38	Secondary organic aerosol formation from gasoline and diesel vehicle exhaust under light and dark conditions. Environmental Science Atmospheres, 2022, 2, 46-64.	2.4	5
39	Molecular Corridors, Volatility and Particle Phase State in Secondary Organic Aerosols. ACS Symposium Series, 2018, , 209-244.	0.5	2