

# Juliane L Fry

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

3,174  
citations

236912

25  
h-index

289230

40  
g-index

64  
all docs

64  
docs citations

64  
times ranked

3292  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2103-2162.	4.9	307
2	A review of the anthropogenic influence on biogenic secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 321-343.	4.9	297
3	Organic nitrate and secondary organic aerosol yield from NO <sub>2</sub> oxidation of <sup>12</sup> C-pinene evaluated using a gas-phase kinetics/aerosol partitioning model. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1431-1449.	4.9	277
4	Biomass burning dominates brown carbon absorption in the rural southeastern United States. <i>Geophysical Research Letters</i> , 2015, 42, 653-664.	4.0	212
5	Isoprene oxidation by nitrate radical: alkyl nitrate and secondary organic aerosol yields. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 6685-6703.	4.9	208
6	Secondary Organic Aerosol Formation and Organic Nitrate Yield from NO <sub>3</sub> Oxidation of Biogenic Hydrocarbons. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11944-11953.	10.0	178
7	The complex chemical effects of COVID-19 shutdowns on air quality. <i>Nature Chemistry</i> , 2020, 12, 777-779.	13.6	154
8	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8585-8605.	4.9	150
9	Modeling the Current and Future Roles of Particulate Organic Nitrates in the Southeastern United States. <i>Environmental Science &amp; Technology</i> , 2015, 49, 14195-14203.	10.0	147
10	Organic nitrate aerosol formation via NO <sub>2</sub> + biogenic volatile organic compounds in the southeastern United States. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13377-13392.	4.9	124
11	SOA from limonene: role of NO <sub>2</sub> in its generation and degradation. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 3879-3894.	4.9	123
12	Total Peroxy Nitrates (tPNs) in the atmosphere: the Thermal Dissociation-Laser Induced Fluorescence (TD-LIF) technique and comparisons to speciated PAN measurements. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 593-607.	3.1	95
13	Intercomparison of measurements of NO <sub>2</sub> concentrations in the atmosphere simulation chamber SAPHIR during the NO <sub>3</sub> Comp campaign. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 21-37.	3.1	77
14	The lifetime of nitrogen oxides in an isoprene-dominated forest. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7623-7637.	4.9	75
15	Coupling of organic and inorganic aerosol systems and the effect on gas-particle partitioning in the southeastern US. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 357-370.	4.9	66
16	Secondary organic aerosol formation from in situ OH, O <sub>3</sub> , and NO <sub>2</sub> oxidation of ambient forest air in an oxidation flow reactor. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 5331-5354.	4.9	57
17	Influence of crustal dust and sea spray supermicron particle concentrations and acidity on inorganic NO <sub>2</sub> aerosol during the 2013 Southern Oxidant and Aerosol Study. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10669-10685.	4.9	56
18	Transition from high- to low-NO <sub>x</sub> control of night-time oxidation in the southeastern US. <i>Nature Geoscience</i> , 2017, 10, 490-495.	12.9	56

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19	Cis-cis and trans-perp HOONO: Action spectroscopy and isomerization kinetics. <i>Journal of Chemical Physics</i> , 2004, 121, 1432-1448.	3.0	54
20	Testing Atmospheric Oxidation in an Alabama Forest. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 4699-4710.	1.7	54
21	A qualitative comparison of secondary organic aerosol yields and composition from ozonolysis of monoterpenes at varying concentrations of NO <sub>2</sub> . <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 12267-12281.	4.9	50
22	Alkoxy Radical Bond Scissions Explain the Anomalously Low Secondary Organic Aerosol and Organonitrate Yields From $\alpha$ -Pinene + NO <sub>3</sub> . <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2826-2834.	4.6	50
23	Secondary organic aerosol (SOA) yields from NO <sub>3</sub> radical + isoprene based on nighttime aircraft power plant plume transects. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11663-11682.	4.9	47
24	Formation of Highly Oxidized Molecules from NO <sub>3</sub> Radical Initiated Oxidation of $\beta$ -Caryophyllene: A Mechanistic Study. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1460-1470.	2.7	28
25	OH-Stretch Vibrational Spectroscopy of Hydroxymethyl Hydroperoxide. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7072-7079.	2.5	26
26	Role of OH-stretch/torsion coupling and quantum yield effects in the first OH overtone spectrum of cis-cis HOONO. <i>Journal of Chemical Physics</i> , 2005, 122, 104311.	3.0	23
27	Molecular composition and volatility of multi-generation products formed from isoprene oxidation by nitrate radical. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10799-10824.	4.9	19
28	Diesel particulate matter emission factors and air quality implications from in-service rail in Washington State, USA. <i>Atmospheric Pollution Research</i> , 2014, 5, 344-351.	3.8	18
29	Rotational spectrum of cis-cis HOONO. <i>Journal of Chemical Physics</i> , 2004, 120, 5505-5508.	3.0	15
30	Diesel particulate matter and coal dust from trains in the Columbia River Gorge, Washington State, USA. <i>Atmospheric Pollution Research</i> , 2015, 6, 946-952.	3.8	15
31	Gas-Particle Partitioning and SOA Yields of Organonitrate Products from NO <sub>3</sub> -Initiated Oxidation of Isoprene under Varied Chemical Regimes. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 785-800.	2.7	15
32	Vibrational overtone initiated unimolecular dissociation of HOCH <sub>2</sub> OOH and HOCD <sub>2</sub> OOH: Evidence for mode selective behavior. <i>Journal of Chemical Physics</i> , 2008, 128, 184306.	3.0	14
33	Heterogeneous Nucleation Drives Particle Size Segregation in Sequential Ozone and Nitrate Radical Oxidation of Catechol. <i>Environmental Science &amp; Technology</i> , 2021, 55, 15637-15645.	10.0	13
34	Biogenic emissions and land-atmosphere interactions as drivers of the daytime evolution of secondary organic aerosol in the southeastern US. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 701-729.	4.9	11
35	Submillimeter measurements of isotopes of nitric acid. <i>Journal of Molecular Spectroscopy</i> , 2006, 236, 29-34.	1.2	9
36	Rotational spectroscopy and dipole moment of cis-cis HOONO and DOONO. <i>Journal of Chemical Physics</i> , 2006, 124, 084304.	3.0	9

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37	A thermal-dissociation cavity ring-down spectrometer (TD-CRDS) for the detection of organic nitrates in gas and particle phases. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 6255-6269.	3.1	8
38	A Four Carbon Organonitrate as a Significant Product of Secondary Isoprene Chemistry. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	8
39	Observations of gas-phase products from the nitrate-radical-initiated oxidation of four monoterpenes. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 9017-9031.	4.9	7
40	Downwind particulate matters: Regulatory implications of secondary aerosol formation from the interaction of nitrogen oxides and tree emissions. <i>Environmental Science and Policy</i> , 2015, 50, 180-190.	4.9	3
41	Digital field scholarship and the liberal arts: results from a 2012-13 sandbox. <i>International Journal on Digital Libraries</i> , 2015, 16, 5-13.	1.5	0