

# Cora J Young

## List of Publications by Citations

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74  
papers

2,903  
citations

31  
h-index

53  
g-index

89  
ext. papers

3,358  
ext. citations

6.4  
avg, IF

4.87  
L-index

#	Paper	IF	Citations
74	Perfluorinated acids in Arctic snow: new evidence for atmospheric formation. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 3455-61	10.3	276
73	Aquatic persistence of eight pharmaceuticals in a microcosm study. <i>Environmental Toxicology and Chemistry</i> , <b>2004</b> , 23, 1431-40	3.8	207
72	High winter ozone pollution from carbonyl photolysis in an oil and gas basin. <i>Nature</i> , <b>2014</b> , 514, 351-4	50.4	181
71	Microcosm evaluation of the effects of an eight pharmaceutical mixture to the aquatic macrophytes <i>Lemna gibba</i> and <i>Myriophyllum sibiricum</i> . <i>Aquatic Toxicology</i> , <b>2004</b> , 70, 23-40	5.1	133
70	Aqueous photochemical reaction kinetics and transformations of fluoxetine. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 513-22	10.3	118
69	Vertically resolved measurements of nighttime radical reservoirs in Los Angeles and their contribution to the urban radical budget. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 10965-73	10.3	114
68	Diode laser-based cavity ring-down instrument for NO <sub>3</sub> , N <sub>2</sub> O <sub>5</sub> , NO, NO <sub>2</sub> and O <sub>3</sub> from aircraft. <i>Atmospheric Measurement Techniques</i> , <b>2011</b> , 4, 1227-1240	4	98
67	Kinetic and product yield study of the heterogeneous gas-surface reaction of anthracene and ozone. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 3638-46	2.8	93
66	Understanding the role of the ground surface in HONO vertical structure: High resolution vertical profiles during NACHTT-11. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 10,155-10,171	4.4	91
65	The glyoxal budget and its contribution to organic aerosol for Los Angeles, California, during CalNex 2010. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		89
64	Ozone photochemistry in an oil and natural gas extraction region during winter: simulations of a snow-free season in the Uintah Basin, Utah. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 8955-8971	6.8	84
63	Chlorine activation within urban or power plant plumes: Vertically resolved ClNO <sub>2</sub> and Cl <sub>2</sub> measurements from a tall tower in a polluted continental setting. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 8702-8715	4.4	81
62	Chlorine as a primary radical: evaluation of methods to understand its role in initiation of oxidative cycles. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 3427-3440	6.8	73
61	NO <sub>2</sub> uptake coefficients and nocturnal NO <sub>2</sub> removal rates determined from ambient wintertime measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 9331-9350	4.4	72
60	Nocturnal loss and daytime source of nitrous acid through reactive uptake and displacement. <i>Nature Geoscience</i> , <b>2015</b> , 8, 55-60	18.3	68
59	Atmospheric perfluorinated acid precursors: chemistry, occurrence, and impacts. <i>Reviews of Environmental Contamination and Toxicology</i> , <b>2010</b> , 208, 1-109	3.5	58
58	Measurements of hydroxyl and hydroperoxy radicals during CalNex-LA: Model comparisons and radical budgets. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 4211-4232	4.4	58

57	Heterogeneous formation of nitryl chloride and its role as a nocturnal NO <sub>x</sub> reservoir species during CalNex-LA 2010. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 10,638	4.4	57
56	Nitrogen, Aerosol Composition, and Halogens on a Tall Tower (NACHTT): Overview of a wintertime air chemistry field study in the front range urban corridor of Colorado. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 8067-8085	4.4	57
55	The primary and recycling sources of OH during the NACHTT-2011 campaign: HONO as an important OH primary source in the wintertime. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 6886-6896	4.4	53
54	Time-Resolved Measurements of Nitric Oxide, Nitrogen Dioxide, and Nitrous Acid in an Occupied New York Home. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 8355-8364	10.3	50
53	Molecular-Size-Separated Brown Carbon Absorption for Biomass-Burning Aerosol at Multiple Field Sites. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 3128-3137	10.3	49
52	Emerging investigator series: a 14-year depositional ice record of perfluoroalkyl substances in the High Arctic. <i>Environmental Sciences: Processes and Impacts</i> , <b>2017</b> , 19, 22-30	4.3	46
51	Modeling the weekly cycle of NO <sub>x</sub> and CO emissions and their impacts on O <sub>3</sub> in the Los Angeles-South Coast Air Basin during the CalNex 2010 field campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 1340-1360	4.4	43
50	Continuous non-marine inputs of per- and polyfluoroalkyl substances to the High Arctic: a multi-decadal temporal record. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 5045-5058	6.8	39
49	Atmospheric chemistry of 4:2 fluorotelomer acrylate [C <sub>4</sub> F <sub>9</sub> CH <sub>2</sub> CH <sub>2</sub> OC(O)CH=CH <sub>2</sub> ]: kinetics, mechanisms, and products of chlorine-atom- and OH-radical-initiated oxidation. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 3155-61	2.8	39
48	Size separation method for absorption characterization in brown carbon: Application to an aged biomass burning sample. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 458-465	4.9	37
47	Biogas Stoves Reduce Firewood Use, Household Air Pollution, and Hospital Visits in Odisha, India. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 560-569	10.3	36
46	Atmospheric lifetime and global warming potential of a perfluoropolyether. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 2242-6	10.3	34
45	Illuminating the dark side of indoor oxidants. <i>Environmental Sciences: Processes and Impacts</i> , <b>2019</b> , 21, 1229-1239	4.3	33
44	Absolute ozone absorption cross section in the Huggins Chappuis minimum (350-70 nm) at 296 K. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 11581-11590	6.8	32
43	Overtone-induced degradation of perfluorinated alcohols in the atmosphere. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 13466-71	2.8	29
42	Atmospheric degradation of perfluoro-2-methyl-3-pentanone: photolysis, hydrolysis and hydration. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 8030-6	10.3	28
41	Atmospheric chemistry of 4:2 fluorotelomer iodide (n-C <sub>4</sub> F <sub>9</sub> CH <sub>2</sub> CH <sub>2</sub> I): kinetics and products of photolysis and reaction with OH radicals and Cl atoms. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 13542-8	2.8	28
40	Chemistry of Volatile Organic Compounds in the Los Angeles Basin: Formation of Oxygenated Compounds and Determination of Emission Ratios. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 2298-2319	4.4	24

39	An Atmospheric Constraint on the NO <sub>2</sub> Dependence of Daytime Near-Surface Nitrous Acid (HONO). <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 12774-81	10.3	23
38	Selective decontamination of the reactive air pollutant nitrous acid node-linker cooperativity in a metal-organic framework. <i>Chemical Science</i> , <b>2019</b> , 10, 5576-5581	9.4	22
37	Atmospheric chemistry of perfluorobutenes (CF <sub>3</sub> CF <sub>2</sub> CF <sub>3</sub> and CF <sub>3</sub> CF <sub>2</sub> CF <sub>2</sub> ): Kinetics and mechanisms of reactions with OH radicals and chlorine atoms, IR spectra, global warming potentials, and oxidation to perfluorocarboxylic acids. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 3717-3724	5.3	21
36	Reactive nitrogen partitioning and its relationship to winter ozone events in Utah. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 573-583	6.8	19
35	Formation and emission of hydrogen chloride in indoor air. <i>Indoor Air</i> , <b>2019</b> , 29, 70-78	5.4	19
34	Ice Core Record of Persistent Short-Chain Fluorinated Alkyl Acids: Evidence of the Impact From Global Environmental Regulations. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087535	4.9	17
33	Atmospheric chemistry of CF <sub>3</sub> CF <sub>2</sub> H and CF <sub>3</sub> CF <sub>2</sub> CF <sub>2</sub> H: Kinetics and products of gas-phase reactions with Cl atoms and OH radicals, infrared spectra, and formation of perfluorocarboxylic acids. <i>Chemical Physics Letters</i> , <b>2009</b> , 473, 251-256	2.5	16
32	Perfluorotributylamine: A novel long-lived greenhouse gas. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 6010-6015	4.9	15
31	Vertically resolved chemical characteristics and sources of submicron aerosols measured on a Tall Tower in a suburban area near Denver, Colorado in winter. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 13,591-13,605	4.4	15
30	Role of location, season, occupant activity, and chemistry in indoor ozone and nitrogen oxide mixing ratios. <i>Environmental Sciences: Processes and Impacts</i> , <b>2019</b> , 21, 1374-1383	4.3	14
29	A global atmospheric chemistry model for the fate and transport of PFCAs and their precursors. <i>Environmental Sciences: Processes and Impacts</i> , <b>2020</b> , 22, 285-293	4.3	13
28	Composition of Size-Resolved Aged Boreal Fire Aerosols: Brown Carbon, Biomass Burning Tracers, and Reduced Nitrogen. <i>ACS Earth and Space Chemistry</i> , <b>2018</b> , 2, 278-285	3.2	12
27	Molecular structure and radiative efficiency of fluorinated ethers: A structure-activity relationship. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		10
26	Hydrogen Peroxide Emission and Fate Indoors during Non-bleach Cleaning: A Chamber and Modeling Study. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 15643-15651	10.3	9
25	Non-woven materials for cloth-based face masks inserts: relationship between material properties and sub-micron aerosol filtration. <i>Environmental Science: Nano</i> , <b>2021</b> , 8, 1603-1613	7.1	8
24	Passive sampling capabilities for ultra-trace quantitation of atmospheric nitric acid (HNO <sub>3</sub> ) in remote environments. <i>Atmospheric Environment</i> , <b>2018</b> , 191, 360-369	5.3	7
23	A portable, robust, stable, and tunable calibration source for gas-phase nitrous acid (HONO). <i>Atmospheric Measurement Techniques</i> , <b>2020</b> , 13, 5873-5890	4	7
22	Development of a gas phase source for perfluoroalkyl acids to examine atmospheric sampling methods. <i>Analyst, The</i> , <b>2016</b> , 141, 3765-75	5	6

21	Ozone photochemistry in an oil and natural gas extraction region during winter: simulations of a snow-free season in the Uintah Basin, Utah		6
20	Size-resolved particle measurements of polybrominated diphenyl ethers indoors: Implications for sources and human exposure. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 481-490	3.8	5
19	Evaluating evidence for Cl sources and oxidation chemistry in a coastal, urban environment		5
18	Insufficient evidence for the existence of natural trifluoroacetic acid. <i>Environmental Sciences: Processes and Impacts</i> , <b>2021</b> , 23, 1641-1649	4.3	3
17	Contrasting Reactive Organic Carbon Observations in the Southeast United States (SOAS) and Southern California (CalNex). <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 14923-14935	10.3	3
16	Atmospheric Fate of a New Polyfluoroalkyl Building Block, CFOCHFCSCHCHOH. <i>Environmental Science &amp; Technology</i> , <b>2021</b> ,	10.3	3
15	Measurements of Total OH Reactivity During CalNex-LA. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD032988	4.4	3
14	Quantifying Nitrous Acid Formation Mechanisms Using Measured Vertical Profiles During the CalNex 2010 Campaign and 1D Column Modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD034689	4.4	2
13	Understanding Sources of Atmospheric Hydrogen Chloride in Coastal Spring and Continental Winter. <i>ACS Earth and Space Chemistry</i> , <b>2021</b> , 5, 2507-2516	3.2	2
12	Complexity in the evolution, composition, and spectroscopy of brown carbon in aircraft measurements of wildfire plumes. <i>Geophysical Research Letters</i> ,	4.9	2
11	Continuous Non-Marine Inputs of Per- and Polyfluoroalkyl Substances to the High Arctic: A Multi-Decadal Temporal Record <b>2017</b> ,		1
10	Response to Comment on "Atmospheric degradation of perfluoro-2-methyl-3-pentanone: photolysis, hydrolysis, and hydration". <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 4954-5	10.3	1
9	Cavity Enhanced Spectroscopy: Applications Theory and Instrumentation <b>2011</b> ,		1
8	Paint solvent to food additive: an environmental route of dehalogenation for 4-chlorobenzotrifluoride. <i>Environmental Toxicology and Chemistry</i> , <b>2008</b> , 27, 2233-8	3.8	1
7	Importance of meteorology and chemistry in determining air pollutant levels during COVID-19 lockdown in Indian cities. <i>Environmental Sciences: Processes and Impacts</i> , <b>2021</b> , 23, 1718-1728	4.3	1
6	Quantitation of amino sugar stereoisomer and muramic acid biomarkers by hydrophilic interaction liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2020</b> , 1618, 460843	4.5	1
5	Polybrominated Diphenyl Ethers (PBDEs) in Marine Fish and Dietary Exposure in Newfoundland.. <i>EcoHealth</i> , <b>2022</b> , 19, 99	3.1	1
4	Validation of a new cavity ring-down spectrometer for measuring tropospheric gaseous hydrogen chloride. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 5859-5871	4	0

- 3 Hydrogen chloride (HCl) at ground sites during CalNex 2010 and insight into its thermodynamic properties.. *Journal of Geophysical Research D: Atmospheres*, **2022**, 127, 1-16 4.4 ○
- 2 Halogenated Organics in the Cryosphere **2021**, 621-648
- 1 Indoor Photochemistry **2022**, 1-30