Cora J Young

List of Publications by Year
in descending order

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71 papers	3,709 citations	126858 33 h-index	133188 59 g-index
89 all docs	89 docs citations	89 times ranked	4281 citing authors

#	Article	IF	Citations
1	Perfluorinated Acids in Arctic Snow:Â New Evidence for Atmospheric Formation. Environmental Science & Technology, 2007, 41, 3455-3461.	4.6	318
2	High winter ozone pollution from carbonyl photolysis in an oil and gas basin. Nature, 2014, 514, 351-354.	13.7	265
3	AQUATIC PERSISTENCE OF EIGHT PHARMACEUTICALS IN A MICROCOSM STUDY. Environmental Toxicology and Chemistry, 2004, 23, 1431.	2.2	231
4	Microcosm evaluation of the effects of an eight pharmaceutical mixture to the aquatic macrophytes Lemna gibba and Myriophyllum sibiricum. Aquatic Toxicology, 2004, 70, 23-40.	1.9	146
5	Aqueous Photochemical Reaction Kinetics and Transformations of Fluoxetine. Environmental Science & Technology, 2005, 39, 513-522.	4.6	135
6	Vertically Resolved Measurements of Nighttime Radical Reservoirs in Los Angeles and Their Contribution to the Urban Radical Budget. Environmental Science & Technology, 2012, 46, 10965-10973.	4.6	127
7	Diode laser-based cavity ring-down instrument for NO₃, N₂O₅, NO, NO₂ and O₃ from aircraft. Atmospheric Measurement Techniques, 2011, 4, 1227-1240.	1.2	113
8	Understanding the role of the ground surface in HONO vertical structure: High resolution vertical profiles during NACHTTâ€11. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,155.	1.2	111
9	Ozone photochemistry in an oil and natural gas extraction region during winter: simulations of a snow-free season in the Uintah Basin, Utah. Atmospheric Chemistry and Physics, 2013, 13, 8955-8971.	1.9	100
10	The glyoxal budget and its contribution to organic aerosol for Los Angeles, California, during CalNex 2010. Journal of Geophysical Research, 2011, 116, .	3.3	99
11	Kinetic and Product Yield Study of the Heterogeneous Gasâ˜Surface Reaction of Anthracene and Ozone. Journal of Physical Chemistry A, 2006, 110, 3638-3646.	1.1	96
12	Chlorine activation within urban or power plant plumes: Vertically resolved ClNO₂ and Cl₂ measurements from a tall tower in a polluted continental setting. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8702-8715.	1.2	94
13	Chlorine as a primary radical: evaluation of methods to understand its role in initiation of oxidative cycles. Atmospheric Chemistry and Physics, 2014, 14, 3427-3440.	1.9	90
14	Nocturnal loss and daytime source of nitrous acid through reactive uptake and displacement. Nature Geoscience, 2015, 8, 55-60.	5.4	89
15	N₂O₅ uptake coefficients and nocturnal NO₂ removal rates determined from ambient wintertime measurements. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9331-9350.	1.2	87
16	Measurements of hydroxyl and hydroperoxy radicals during CalNexâ€LA: Model comparisons and radical budgets. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4211-4232.	1.2	81
17	Molecular-Size-Separated Brown Carbon Absorption for Biomass-Burning Aerosol at Multiple Field Sites. Environmental Science & Technology, 2017, 51, 3128-3137.	4.6	77
18	Atmospheric Perfluorinated Acid Precursors: Chemistry, Occurrence, and Impacts. Reviews of Environmental Contamination and Toxicology, 2010, 208, 1-109.	0.7	74

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19	Time-Resolved Measurements of Nitric Oxide, Nitrogen Dioxide, and Nitrous Acid in an Occupied New York Home. Environmental Science & Technology, 2018, 52, 8355-8364.	4.6	72
20	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. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8067-8085.	1.2	68
21	The primary and recycling sources of OH during the NACHTTâ€2011 campaign: HONO as an important OH primary source in the wintertime. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6886-6896.	1.2	66
22	Heterogeneous formation of nitryl chloride and its role as a nocturnal NO_x reservoir species during CalNexâ€LA 2010. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,638.	1.2	65
23	Continuous non-marine inputs of per- and polyfluoroalkyl substances to the High Arctic: a multi-decadal temporal record. Atmospheric Chemistry and Physics, 2018, 18, 5045-5058.	1.9	57
24	Emerging investigator series: a 14-year depositional ice record of perfluoroalkyl substances in the High Arctic. Environmental Sciences: Processes and Impacts, 2017, 19, 22-30.	1.7	55
25	Size separation method for absorption characterization in brown carbon: Application to an aged biomass burning sample. Geophysical Research Letters, 2016, 43, 458-465.	1.5	54
26	Modeling the weekly cycle of NO_x and CO emissions and their impacts on O₃ in the Los Angelesâ€South Coast Air Basin during the CalNex 2010 field campaign. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1340-1360.	1.2	51
27	Biogas Stoves Reduce Firewood Use, Household Air Pollution, and Hospital Visits in Odisha, India. Environmental Science & Technology, 2017, 51, 560-569.	4.6	48
28	Illuminating the dark side of indoor oxidants. Environmental Sciences: Processes and Impacts, 2019, 21, 1229-1239.	1.7	47
29	Atmospheric Chemistry of 4:2 Fluorotelomer Acrylate [C₄F₉CH₂CH₂OC(O)CHâ•CH₂]: Kinetics, Mechanisms, and Products of Chlorine-Atom- and OH-Radical-Initiated Oxidation. Journal of Physical Chemistry A, 2009, 113, 3155-3161.	1.1	44
30	Chemistry of Volatile Organic Compounds in the Los Angeles Basin: Formation of Oxygenated Compounds and Determination of Emission Ratios. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2298-2319.	1.2	43
31	Ice Core Record of Persistent Shortâ€Chain Fluorinated Alkyl Acids: Evidence of the Impact From Global Environmental Regulations. Geophysical Research Letters, 2020, 47, e2020GL087535.	1.5	43
32	Atmospheric Degradation of Perfluoro-2-methyl-3-pentanone: Photolysis, Hydrolysis and Hydration. Environmental Science & Technology, 2011, 45, 8030-8036.	4.6	38
33	Absolute ozone absorption cross section in the Huggins Chappuis minimum (350â€“470 nm) at 296 K. Atmospheric Chemistry and Physics, 2011, 11, 11581-11590.	1.9	38
34	Atmospheric Lifetime and Global Warming Potential of a Perfluoropolyether. Environmental Science & Technology, 2006, 40, 2242-2246.	4.6	34
35	Insufficient evidence for the existence of natural trifluoroacetic acid. Environmental Sciences: Processes and Impacts, 2021, 23, 1641-1649.	1.7	34
36	Atmospheric Chemistry of 4:2 Fluorotelomer Iodide (n-C₄F₉CH₂CH₂I): Kinetics and Products of Photolysis and Reaction with OH Radicals and Cl Atoms. Journal of Physical Chemistry A, 2008, 112, 13542-13548.	1.1	32

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37	Formation and emission of hydrogen chloride in indoor air. Indoor Air, 2019, 29, 70-78.	2.0	30
38	A global atmospheric chemistry model for the fate and transport of PFCAs and their precursors. Environmental Sciences: Processes and Impacts, 2020, 22, 285-293.	1.7	30
39	Overtone-Induced Degradation of Perfluorinated Alcohols in the Atmosphere. Journal of Physical Chemistry A, 2007, 111, 13466-13471.	1.1	29
40	Selective decontamination of the reactive air pollutant nitrous acid via node-linker cooperativity in a metalâ€“organic framework. Chemical Science, 2019, 10, 5576-5581.	3.7	28
41	Atmospheric chemistry of perfluorobutenes (CF3CFCFCF3 and CF3CF2CFCF2): Kinetics and mechanisms of reactions with OH radicals and chlorine atoms, IR spectra, global warming potentials, and oxidation to perfluorocarboxylic acids. Atmospheric Environment, 2009, 43, 3717-3724.	1.9	26
42	An Atmospheric Constraint on the NO₂ Dependence of Daytime Near-Surface Nitrous Acid (HONO). Environmental Science & Technology, 2015, 49, 12774-12781.	4.6	26
43	Composition of Size-Resolved Aged Boreal Fire Aerosols: Brown Carbon, Biomass Burning Tracers, and Reduced Nitrogen. ACS Earth and Space Chemistry, 2018, 2, 278-285.	1.2	26
44	Reactive nitrogen partitioning and its relationship to winter ozone events in Utah. Atmospheric Chemistry and Physics, 2016, 16, 573-583.	1.9	24
45	Atmospheric chemistry of CF3CF2H and CF3CF2CF2CF2H: Kinetics and products of gas-phase reactions with Cl atoms and OH radicals, infrared spectra, and formation of perfluorocarboxylic acids. Chemical Physics Letters, 2009, 473, 251-256.	1.2	21
46	Role of location, season, occupant activity, and chemistry in indoor ozone and nitrogen oxide mixing ratios. Environmental Sciences: Processes and Impacts, 2019, 21, 1374-1383.	1.7	21
47	Hydrogen Peroxide Emission and Fate Indoors during Non-bleach Cleaning: A Chamber and Modeling Study. Environmental Science & Technology, 2020, 54, 15643-15651.	4.6	19
48	Non-woven materials for cloth-based face masks inserts: relationship between material properties and sub-micron aerosol filtration. Environmental Science: Nano, 2021, 8, 1603-1613.	2.2	19
49	Perfluorotributylamine: A novel long-lived greenhouse gas. Geophysical Research Letters, 2013, 40, 6010-6015.	1.5	18
50	Vertically resolved chemical characteristics and sources of submicron aerosols measured on a Tall Tower in a suburban area near Denver, Colorado in winter. Journal of Geophysical Research D: Atmospheres, 2013, 118, 13,591.	1.2	18
51	Contrasting Reactive Organic Carbon Observations in the Southeast United States (SOAS) and Southern California (CalNex). Environmental Science & Technology, 2020, 54, 14923-14935.	4.6	15
52	A portable, robust, stable, and tunable calibration source for gas-phase nitrous acid (HONO). Atmospheric Measurement Techniques, 2020, 13, 5873-5890.	1.2	14
53	Molecular structure and radiative efficiency of fluorinated ethers: A structureâ€activity relationship. Journal of Geophysical Research, 2008, 113, .	3.3	11
54	Passive sampling capabilities for ultra-trace quantitation of atmospheric nitric acid (HNO3) in remote environments. Atmospheric Environment, 2018, 191, 360-369.	1.9	11

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55	Atmospheric Fate of a New Polyfluoroalkyl Building Block, C₃F₇OCHFCF₂SCH₂CH₂OH. Environmental Science & Technology, 2022, 56, 6027-6035.	4.6	11
56	Quantifying Nitrous Acid Formation Mechanisms Using Measured Vertical Profiles During the CalNex 2010 Campaign and 1D Column Modeling. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034689.	1.2	10
57	Complexity in the Evolution, Composition, and Spectroscopy of Brown Carbon in Aircraft Measurements of Wildfire Plumes. Geophysical Research Letters, 2022, 49, .	1.5	10
58	Polybrominated Diphenyl Ethers (PBDEs) in Marine Fish and Dietary Exposure in Newfoundland. EcoHealth, 2022, 19, 99-113.	0.9	9
59	Development of a gas phase source for perfluoroalkyl acids to examine atmospheric sampling methods. Analyst, The, 2016, 141, 3765-3775.	1.7	7
60	Validation of a new cavity ring-down spectrometer for measuring tropospheric gaseous hydrogen chloride. Atmospheric Measurement Techniques, 2021, 14, 5859-5871.	1.2	7
61	Sizeâ€resolved particle measurements of polybrominated diphenyl ethers indoors: Implications for sources and human exposure. Environmental Toxicology and Chemistry, 2018, 37, 481-490.	2.2	6
62	Measurements of Total OH Reactivity During CalNexâ€ŁA. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD032988.	1.2	5
63	Acidity of Size-Resolved Sea-Salt Aerosol in a Coastal Urban Area: Comparison of Existing and New Approaches. ACS Earth and Space Chemistry, 2022, 6, 1239-1249.	1.2	5
64	Understanding Sources of Atmospheric Hydrogen Chloride in Coastal Spring and Continental Winter. ACS Earth and Space Chemistry, 2021, 5, 2507-2516.	1.2	4
65	Importance of meteorology and chemistry in determining air pollutant levels during COVID-19 lockdown in Indian cities. Environmental Sciences: Processes and Impacts, 2021, 23, 1718-1728.	1.7	4
66	Paint solvent to food additive: An environmental route of dehalogenation for 4â€chlorobenzotrifluoride. Environmental Toxicology and Chemistry, 2008, 27, 2233-2238.	2.2	3
67	Unraveling the complexity of atmospheric brown carbon produced by smoldering boreal peat using size-exclusion chromatography with selective mobile phases. Environmental Science Atmospheres, 0, , .	0.9	3
68	Response to Comment on â€œAtmospheric Degradation of Perfluoro-2-methyl-3-pentanone: Photolysis, Hydrolysis, and Hydrationâ€• Environmental Science & Technology, 2013, 47, 4954-4955.	4.6	1
69	Quantitation of amino sugar stereoisomer and muramic acid biomarkers by hydrophilic interaction liquid chromatography-mass spectrometry. Journal of Chromatography A, 2020, 1618, 460843.	1.8	1
70	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.	1.2	1
71	Halogenated Organics in the Cryosphere. , 2021, , 621-648.		0