

# Eleanor Browne

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6260612/publications.pdf>

Version: 2024-02-01

32  
papers

1,879  
citations

304743

22  
h-index

454955

30  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric Degradation of Cyclic Volatile Methyl Siloxanes: Radical Chemistry and Oxidation Products. ACS Environmental Au, 2022, 2, 263-274.	7.0	12
2	Trace H <sub>2</sub> S Promotes Organic Aerosol Production and Organosulfur Compound Formation in Archean Analog Haze Photochemistry Experiments. Geophysical Research Letters, 2022, 49, .	4.0	4
3	Impact of Hydrogen Sulfide on Photochemical Haze Formation in Methane/Nitrogen Atmospheres. ACS Earth and Space Chemistry, 2020, 4, 897-904.	2.7	8
4	The Impact of Molecular Oxygen on Anion Composition in a Hazy Archean Earth Atmosphere. Astrobiology, 2020, 20, 658-669.	3.0	4
5	Atmospheric Chemistry of Volatile Methyl Siloxanes: Kinetics and Products of Oxidation by OH Radicals and Cl Atoms. Environmental Science & Technology, 2020, 54, 5992-5999.	10.0	30
6	The Influence of Gas-phase Chemistry on Organic Haze Formation. Astrophysical Journal Letters, 2019, 885, L6.	8.3	15
7	Effect of heterogeneous oxidative aging on light absorption by biomass burning organic aerosol. Aerosol Science and Technology, 2019, 53, 663-674.	3.1	55
8	Chemical Composition of Gas-Phase Positive Ions during Laboratory Simulations of Titan's Haze Formation. ACS Earth and Space Chemistry, 2019, 3, 202-211.	2.7	11
9	Laser Ablation-Aerosol Mass Spectrometry-Chemical Ionization Mass Spectrometry for Ambient Surface Imaging. Analytical Chemistry, 2018, 90, 4046-4053.	6.5	6
10	Rapid heterogeneous oxidation of organic coatings on submicron aerosols. Geophysical Research Letters, 2017, 44, 2949-2957.	4.0	28
11	Ozone production chemistry in the presence of urban plumes. Faraday Discussions, 2016, 189, 169-189.	3.2	56
12	Changes to the Chemical Composition of Soot from Heterogeneous Oxidation Reactions. Journal of Physical Chemistry A, 2015, 119, 1154-1163.	2.5	33
13	An Atmospheric Constraint on the NO <sub>2</sub> Dependence of Daytime Near-Surface Nitrous Acid (HONO). Environmental Science & Technology, 2015, 49, 12774-12781.	10.0	26
14	Chemical Compositions of Black Carbon Particle Cores and Coatings via Soot Particle Aerosol Mass Spectrometry with Photoionization and Electron Ionization. Journal of Physical Chemistry A, 2015, 119, 4589-4599.	2.5	44
15	Evidence for a nitrous acid (HONO) reservoir at the ground surface in Bakersfield, CA, during CalNex 2010. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9093-9106.	3.3	59
16	On the role of monoterpene chemistry in the remote continental boundary layer. Atmospheric Chemistry and Physics, 2014, 14, 1225-1238.	4.9	44
17	On the temperature dependence of organic reactivity, nitrogen oxides, ozone production, and the impact of emission controls in San Joaquin Valley, California. Atmospheric Chemistry and Physics, 2014, 14, 3373-3395.	4.9	92
18	Eddy covariance fluxes and vertical concentration gradient measurements of NO and NO <sub>2</sub> over a ponderosa pine ecosystem: observational evidence for within-canopy chemical removal of NO <sub>x</sub> . Atmospheric Chemistry and Physics, 2014, 14, 5495-5512.	4.9	36

#	ARTICLE	IF	CITATIONS
19	Observational Insights into Aerosol Formation from Isoprene. <i>Environmental Science &amp; Technology</i> , 2013, 47, 11403-11413.	10.0	113
20	CCN closure and composition analysis of droplet-forming aerosol. , 2013, , .		1
21	Observations of total RONO <sub>2</sub> over the boreal forest: NO <sub>x</sub> sinks and HNO <sub>3</sub> sources. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4543-4562.	4.9	76
22	Effects of biogenic nitrate chemistry on the NO <sub>x</sub> lifetime in remote continental regions. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 11917-11932.	4.9	86
23	Observations of atmosphere-biosphere exchange of total and speciated peroxy nitrates: nitrogen fluxes and biogenic sources of peroxy nitrates. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9763-9773.	4.9	16
24	Evidence for NO <sub>x</sub> Control over Nighttime SOA Formation. <i>Science</i> , 2012, 337, 1210-1212.	12.6	266
25	Global and regional effects of the photochemistry of CH <sub>3</sub> O <sub>2</sub> /NO <sub>2</sub> evidence from ARCTAS. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 4209-4219.		
26	The Chemistry of Atmosphere-Forest Exchange (CAFE) Model – Part 2: Application to BEARPEX-2007 observations. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1269-1294.	4.9	85
27	A high spatial resolution retrieval of NO <sub>2</sub> column densities from OMI: method and evaluation. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8543-8554.	4.9	133
28	A relaxed eddy accumulation system for measuring vertical fluxes of nitrous acid. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 2093-2103.	3.1	76
29	Measurement of atmospheric nitrous acid at Bodgett Forest during BEARPEX2007. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6283-6294.	4.9	55
30	Nitrogen oxides and PAN in plumes from boreal fires during ARCTAS-B and their impact on ozone: an integrated analysis of aircraft and satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9739-9760.	4.9	234
31	Corrigendum to "Measurement of atmospheric nitrous acid at Blodgett Forest during BEARPEX2007" published in <i>Atmos. Chem. Phys.</i> , 10, 6283-6294, 2010. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6501-6501.	4.9	0
32	Closing the peroxy acetyl nitrate budget: observations of acyl peroxy nitrates (PAN, PPN, and MPAN) during BEARPEX 2007. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7623-7641.	4.9	105