

Eleanor Browne

List of Publications by Year in descending order

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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	Evidence for NO _x Control over Nighttime SOA Formation. <i>Science</i> , 2012, 337, 1210-1212.	12.6	266
2	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
3	A high spatial resolution retrieval of NO ₂ column densities from OMI: method and evaluation. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8543-8554.	4.9	133
4	Observational Insights into Aerosol Formation from Isoprene. <i>Environmental Science & Technology</i> , 2013, 47, 11403-11413.	10.0	113
5	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
6	On the temperature dependence of organic reactivity, nitrogen oxides, ozone production, and the impact of emission controls in San Joaquin Valley, California. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3373-3395.	4.9	92
7	Effects of biogenic nitrate chemistry on the NO _x lifetime in remote continental regions. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 11917-11932.	4.9	86
8	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
9	A relaxed eddy accumulation system for measuring vertical fluxes of nitrous acid. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 2093-2103.	3.1	76
10	Observations of total RONO ₂ over the boreal forest: NO _x sinks and HNO ₃ sources. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4543-4562.	4.9	76
11	Evidence for a nitrous acid (HONO) reservoir at the ground surface in Bakersfield, CA, during CalNex 2010. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9093-9106.	3.3	59
12	Ozone production chemistry in the presence of urban plumes. <i>Faraday Discussions</i> , 2016, 189, 169-189.	3.2	56
13	Measurement of atmospheric nitrous acid at Bodgett Forest during BEARPEX2007. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6283-6294.	4.9	55
14	Effect of heterogeneous oxidative aging on light absorption by biomass burning organic aerosol. <i>Aerosol Science and Technology</i> , 2019, 53, 663-674.	3.1	55
15	Global and regional effects of the photochemistry of CH ₃ O ₂ /NO ₂ evidence from ARCTAS. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 4209-4219.		
16	On the role of monoterpene chemistry in the remote continental boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1225-1238.	4.9	44
17	Chemical Compositions of Black Carbon Particle Cores and Coatings via Soot Particle Aerosol Mass Spectrometry with Photoionization and Electron Ionization. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4589-4599.	2.5	44
18	Eddy covariance fluxes and vertical concentration gradient measurements of NO and NO ₂ over a ponderosa pine ecosystem: observational evidence for within-canopy chemical removal of NO _x . <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5495-5512.	4.9	36

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19	Changes to the Chemical Composition of Soot from Heterogeneous Oxidation Reactions. <i>Journal of Physical Chemistry A</i> , 2015, 119, 1154-1163.	2.5	33
20	Atmospheric Chemistry of Volatile Methyl Siloxanes: Kinetics and Products of Oxidation by OH Radicals and Cl Atoms. <i>Environmental Science & Technology</i> , 2020, 54, 5992-5999.	10.0	30
21	Rapid heterogeneous oxidation of organic coatings on submicron aerosols. <i>Geophysical Research Letters</i> , 2017, 44, 2949-2957.	4.0	28
22	An Atmospheric Constraint on the NO ₂ Dependence of Daytime Near-Surface Nitrous Acid (HONO). <i>Environmental Science & Technology</i> , 2015, 49, 12774-12781.	10.0	26
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	The Influence of Gas-phase Chemistry on Organic Haze Formation. <i>Astrophysical Journal Letters</i> , 2019, 885, L6.	8.3	15
25	Atmospheric Degradation of Cyclic Volatile Methyl Siloxanes: Radical Chemistry and Oxidation Products. <i>ACS Environmental Au</i> , 2022, 2, 263-274.	7.0	12
26	Chemical Composition of Gas-Phase Positive Ions during Laboratory Simulations of Titan's Haze Formation. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 202-211.	2.7	11
27	Impact of Hydrogen Sulfide on Photochemical Haze Formation in Methane/Nitrogen Atmospheres. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 897-904.	2.7	8
28	Laser Ablation-Aerosol Mass Spectrometry-Chemical Ionization Mass Spectrometry for Ambient Surface Imaging. <i>Analytical Chemistry</i> , 2018, 90, 4046-4053.	6.5	6
29	The Impact of Molecular Oxygen on Anion Composition in a Hazy Archean Earth Atmosphere. <i>Astrobiology</i> , 2020, 20, 658-669.	3.0	4
30	Trace H ₂ S Promotes Organic Aerosol Production and Organosulfur Compound Formation in Archean Analog Haze Photochemistry Experiments. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
31	CCN closure and composition analysis of droplet-forming aerosol. , 2013, , .		1
32	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