

D R Blake

List of Publications by Year in descending order

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558
papers

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1301
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all docs

634
docs citations

634
times ranked

20411
citing authors

#	ARTICLE	IF	CITATIONS
1	The NASA Atmospheric Tomography (ATom) Mission: Imaging the Chemistry of the Global Atmosphere. Bulletin of the American Meteorological Society, 2022, 103, E761-E790.	3.3	39
2	Observations of atmospheric oxidation and ozone production in South Korea. Atmospheric Environment, 2022, 269, 118854.	4.1	6
3	Validation of in situ and remote sensing-derived methane refinery emissions in a complex wind environment and chemical implications. Atmospheric Environment, 2022, 273, 118900.	4.1	2
4	Field observational constraints on the controllers in glyoxal (CHOCHO) reactive uptake to aerosol. Atmospheric Chemistry and Physics, 2022, 22, 805-821.	4.9	5
5	Evaluation of Secondary Organic Aerosol (SOA) Simulations for Seoul, Korea. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	10
6	Exploring dimethyl sulfide (DMS) oxidation and implications for global aerosol radiative forcing. Atmospheric Chemistry and Physics, 2022, 22, 1549-1573.	4.9	33
7	Photochemical evolution of the 2013 California Rim Fire: synergistic impacts of reactive hydrocarbons and enhanced oxidants. Atmospheric Chemistry and Physics, 2022, 22, 4253-4275.	4.9	9
8	CFC-11 measurements in China, Nepal, Pakistan, Saudi Arabia and South Korea (1998–2018): Urban, landfill fire and garbage burning sources. Environmental Chemistry, 2022, 18, 370-392.	1.5	0
9	Understanding the Sources of Ambient Fine Particulate Matter (PM _{2.5}) in Jeddah, Saudi Arabia. Atmosphere, 2022, 13, 711.	2.3	2
10	Source and variability of formaldehyde (HCHO) at northern high latitudes: an integrated satellite, aircraft, and model study. Atmospheric Chemistry and Physics, 2022, 22, 7163-7178.	4.9	9
11	Limitations in representation of physical processes prevent successful simulation of PM _{2.5} during KORUS-AQ. Atmospheric Chemistry and Physics, 2022, 22, 7933-7958.	4.9	17
12	Long-term variations of C ₁ –C ₅ alkyl nitrates and their sources in Hong Kong. Environmental Pollution, 2021, 270, 116285.	7.5	1
13	Wildfire Smoke Exposure: Covid19 Comorbidity?. Journal of Respiration, 2021, 1, 74-79.	1.1	9
14	Metabolic and behavioral features of acute hyperpurinergia and the maternal immune activation mouse model of autism spectrum disorder. PLoS ONE, 2021, 16, e0248771.	2.5	17
15	HCOOH in the Remote Atmosphere: Constraints from Atmospheric Tomography (ATom) Airborne Observations. ACS Earth and Space Chemistry, 2021, 5, 1436-1454.	2.7	13
16	Chemical transport models often underestimate inorganic aerosol acidity in remote regions of the atmosphere. Communications Earth & Environment, 2021, 2, .	6.8	32
17	Large hemispheric difference in nucleation mode aerosol concentrations in the lowermost stratosphere at mid- and high latitudes. Atmospheric Chemistry and Physics, 2021, 21, 9065-9088.	4.9	8
18	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. Atmospheric Chemistry and Physics, 2021, 21, 11201-11224.	4.9	60

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19	Top-down estimates of anthropogenic VOC emissions in South Korea using formaldehyde vertical column densities from aircraft during the KORUS-AQ campaign. <i>Elementa</i> , 2021, 9, .	3.2	16
20	Evolution of formaldehyde (HCHO) in a plume originating from a petrochemical industry and its volatile organic compounds (VOCs) emission rate estimation. <i>Elementa</i> , 2021, 9, .	3.2	6
21	Rapid cloud removal of dimethyl sulfide oxidation products limits SO ₂ and cloud condensation nuclei production in the marine atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	28
22	Observations of Volatile Organic Compounds in the Los Angeles Basin during COVID-19. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 3045-3055.	2.7	6
23	Long-term atmospheric emissions for the Coal Oil Point natural marine hydrocarbon seep field, offshore California. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17607-17629.	4.9	4
24	Contribution of Organic Nitrates to Organic Aerosol over South Korea during KORUS-AQ. <i>Environmental Science & Technology</i> , 2021, 55, 16326-16338.	10.0	8
25	Exploring Oxidation in the Remote Free Troposphere: Insights From Atmospheric Tomography (ATom). <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031685.	3.3	23
26	Missing OH reactivity in the global marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4013-4029.	4.9	25
27	Evidence of Nighttime Production of Organic Nitrates During SEAC 4 RS, FRAPPÅ%, and KORUSâ€AQ. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087860.	4.0	7
28	Ambient air quality in the Kathmandu Valley, Nepal, during the pre-monsoon: concentrations and sources of particulate matter and trace gases. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2927-2951.	4.9	40
29	Long-term temporal variations and source changes of halocarbons in the Greater Pearl River Delta region, China. <i>Atmospheric Environment</i> , 2020, 234, 117550.	4.1	12
30	Revisiting the effectiveness of HCHO/NO ₂ ratios for inferring ozone sensitivity to its precursors using high resolution airborne remote sensing observations in a high ozone episode during the KORUS-AQ campaign. <i>Atmospheric Environment</i> , 2020, 224, 117341.	4.1	65
31	The Chemistry Mechanism in the Community Earth System Model Version 2 (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001882.	3.8	189
32	Evidence for an Oceanic Source of Methyl Ethyl Ketone to the Atmosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086045.	4.0	8
33	Comprehensive isoprene and terpene gas-phase chemistry improves simulated surface ozone in the southeastern US. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3739-3776.	4.9	47
34	Global airborne sampling reveals a previously unobserved dimethyl sulfide oxidation mechanism in the marine atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4505-4510.	7.1	118
35	Observation-based modeling of ozone chemistry in the Seoul metropolitan area during the Korea-United States Air Quality Study (KORUS-AQ). <i>Elementa</i> , 2020, 8, .	3.2	32
36	Characterization, sources and reactivity of volatile organic compounds (VOCs) in Seoul and surrounding regions during KORUS-AQ. <i>Elementa</i> , 2020, 8, .	3.2	44

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37	Correcting model biases of CO in East Asia: impact on oxidant distributions during KORUS-AQ. Atmospheric Chemistry and Physics, 2020, 20, 14617-14647.	4.9	34
38	Constraining remote oxidation capacity with ATom observations. Atmospheric Chemistry and Physics, 2020, 20, 7753-7781.	4.9	36
39	An inversion of NO _x and non-methane volatile organic compound (NMVOC) emissions using satellite observations during the KORUS-AQ campaign and implications for surface ozone over East Asia. Atmospheric Chemistry and Physics, 2020, 20, 9837-9854.	4.9	30
40	The Global Methane Budget 2000–2017. Earth System Science Data, 2020, 12, 1561-1623.	9.9	1,199
41	Emission of volatile halogenated organic compounds over various Dead Sea landscapes. Atmospheric Chemistry and Physics, 2019, 19, 7667-7690.	4.9	5
42	Ocean Biogeochemistry Control on the Marine Emissions of Brominated Very Short-Lived Ozone-Depleting Substances: A Machine-Learning Approach. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12319-12339.	3.3	17
43	On the sources and sinks of atmospheric VOCs: an integrated analysis of recent aircraft campaigns over North America. Atmospheric Chemistry and Physics, 2019, 19, 9097-9123.	4.9	32
44	Impacts of household sources on air pollution at village and regional scales in India. Atmospheric Chemistry and Physics, 2019, 19, 7719-7742.	4.9	30
45	Source Contributions to Carbon Monoxide Concentrations During KORUS-AQ Based on CAM-Chem Model Applications. Journal of Geophysical Research D: Atmospheres, 2019, 124, 2796-2822.	3.3	21
46	Atmospheric Acetaldehyde: Importance of Air–Sea Exchange and a Missing Source in the Remote Troposphere. Geophysical Research Letters, 2019, 46, 5601-5613.	4.0	41
47	Simulating the Weekly Cycle of NO _x –VOC–HO _x –O ₃ Photochemical System in the South Coast of California During CalNex-2010 Campaign. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3532-3555.	3.3	8
48	Source Apportionment of Ambient Methane Enhancements in Los Angeles, California, To Evaluate Emission Inventory Estimates. Environmental Science & Technology, 2019, 53, 2961-2970.	10.0	13
49	Integration of airborne and ground observations of nitril chloride in the Seoul metropolitan area and the implications on regional oxidation capacity during KORUS-AQ 2016. Atmospheric Chemistry and Physics, 2019, 19, 12779-12795.	4.9	24
50	Atmospheric Implications of Large C ₂ –C ₅ Alkane Emissions From the U.S. Oil and Gas Industry. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1148-1169.	3.3	12
51	Observations of C ₁ –C ₅ alkyl nitrates in the Yellow River Delta, northern China: Effects of biomass burning and oil field emissions. Science of the Total Environment, 2019, 656, 129-139.	8.0	18
52	Evaluation of simulated O ₃ production efficiency during the KORUS-AQ campaign: Implications for anthropogenic NO _x emissions in Korea. Elementa, 2019, 7, .	3.2	38
53	Summertime C ₁ –C ₅ alkyl nitrates over Beijing, northern China: Spatial distribution, regional transport, and formation mechanisms. Atmospheric Research, 2018, 204, 102-109.	4.1	17
54	An aerosol particle containing enriched uranium encountered in the remote upper troposphere. Journal of Environmental Radioactivity, 2018, 184-185, 95-100.	1.7	6

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55	Observations and Explicit Modeling of Summertime Carbonyl Formation in Beijing: Identification of Key Precursor Species and Their Impact on Atmospheric Oxidation Chemistry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1426-1440.	3.3	66
56	Molecular composition of particulate matter emissions from dung and brushwood burning household cookstoves in Haryana, India. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2461-2480.	4.9	69
57	Ambient Nonmethane Hydrocarbon Levels Along Colorado's Northern Front Range: Acute and Chronic Health Risks. <i>Environmental Science & Technology</i> , 2018, 52, 4514-4525.	10.0	47
58	Decadal changes in emissions of volatile organic compounds (VOCs) from on-road vehicles with intensified automobile pollution control: Case study in a busy urban tunnel in south China. <i>Environmental Pollution</i> , 2018, 233, 806-819.	7.5	74
59	Wintertime Transport of Reactive Trace Gases From East Asia Into the Deep Tropics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,877.	3.3	5
60	Atmospheric oxidation in the presence of clouds during the Deep Convective Clouds and Chemistry (DC3) study. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14493-14510.	4.9	18
61	Constraints on Aerosol Nitrate Photolysis as a Potential Source of HONO and NO _x . <i>Environmental Science & Technology</i> , 2018, 52, 13738-13746.	10.0	79
62	Estimating Source Region Influences on Black Carbon Abundance, Microphysics, and Radiative Effect Observed Over South Korea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,527.	3.3	24
63	Secondary organic aerosol production from local emissions dominates the organic aerosol budget over Seoul, South Korea, during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17769-17800.	4.9	105
64	Variability in Atmospheric Methane From Fossil Fuel and Microbial Sources Over the Last Three Decades. <i>Geophysical Research Letters</i> , 2018, 45, 11,499.	4.0	46
65	Continued Emissions of the Ozone-Depleting Substance Carbon Tetrachloride From Eastern Asia. <i>Geophysical Research Letters</i> , 2018, 45, 11423-11430.	4.0	37
66	Methyl, Ethyl, and Propyl Nitrates: Global Distribution and Impacts on Reactive Nitrogen in Remote Marine Environments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,429.	3.3	33
67	Emissions from village cookstoves in Haryana, India, and their potential impacts on air quality. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15169-15182.	4.9	33
68	Spatial and Temporal Variability in Emissions of Fluorinated Gases from a California Landfill. <i>Environmental Science & Technology</i> , 2018, 52, 6789-6797.	10.0	11
69	Sources and characteristics of summertime organic aerosol in the Colorado Front Range: perspective from measurements and WRF-Chem modeling. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8293-8312.	4.9	13
70	Molecular distributions of dicarboxylic acids, oxocarboxylic acids and α,β -dicarbonyls in PM _{2.5} collected at the top of Mt. Tai, North China, during the wheat burning season of 2014. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10741-10758.	4.9	27
71	Gas emissions, tars, and secondary minerals at the Ruth Mullins and Tiptop coal mine fires. <i>International Journal of Coal Geology</i> , 2018, 195, 304-316.	5.0	18
72	Using an Inverse Model to Reconcile Differences in Simulated and Observed Global Ethane Concentrations and Trends Between 2008 and 2014. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 11,262.	3.3	14

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73	A quantitative assessment of distributions and sources of tropospheric halocarbons measured in Singapore. <i>Science of the Total Environment</i> , 2018, 619-620, 528-544.	8.0	13
74	Meteorological and Chemical Factors Controlling Ozone Formation in Seoul during MAPS-Seoul 2015. <i>Aerosol and Air Quality Research</i> , 2018, 18, 2274-2286.	2.1	11
75	The Controlling Factors of Photochemical Ozone Production in Seoul, South Korea. <i>Aerosol and Air Quality Research</i> , 2018, 18, 2253-2261.	2.1	18
76	Stable isotope profiles reveal active production of VOCs from human-associated microbes. <i>Journal of Breath Research</i> , 2017, 11, 017101.	3.0	26
77	Estimating methane emissions from biological and fossil fuel sources in the San Francisco Bay Area. <i>Geophysical Research Letters</i> , 2017, 44, 486-495.	4.0	25
78	Contrasting aerosol refractive index and hygroscopicity in the inflow and outflow of deep convective storms: Analysis of airborne data from DC3. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4565-4577.	3.3	10
79	A dual-chamber method for quantifying the effects of atmospheric perturbations on secondary organic aerosol formation from biomass burning emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6043-6058.	3.3	41
80	Airborne measurements of western U.S. wildfire emissions: Comparison with prescribed burning and air quality implications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6108-6129.	3.3	184
81	Leakage Rates of Refrigerants CFC-12, HCFC-22, and HFC-134a from Operating Mobile Air Conditioning Systems in Guangzhou, China: Tests inside a Busy Urban Tunnel under Hot and Humid Weather Conditions. <i>Environmental Science and Technology Letters</i> , 2017, 4, 481-486.	8.7	10
82	New insights into the column $\text{CH}_2\text{O}/\text{NO}_2$ ratio as an indicator of near-surface ozone sensitivity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8885-8907.	3.3	87
83	Revisiting global fossil fuel and biofuel emissions of ethane. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2493-2512.	3.3	43
84	Gaseous emissions from the Lotts Creek coal mine fire: Perry County, Kentucky. <i>International Journal of Coal Geology</i> , 2017, 180, 57-66.	5.0	15
85	Characterization of carbon monoxide, methane and nonmethane hydrocarbons in emerging cities of Saudi Arabia and Pakistan and in Singapore. <i>Journal of Atmospheric Chemistry</i> , 2017, 74, 87-113.	3.2	18
86	Tropospheric volatile organic compounds in China. <i>Science of the Total Environment</i> , 2017, 574, 1021-1043.	8.0	169
87	Evaluation of the effectiveness of air pollution control measures in Hong Kong. <i>Environmental Pollution</i> , 2017, 220, 87-94.	7.5	39
88	Multi-instrument comparison and compilation of non-methane organic gas emissions from biomass burning and implications for smoke-derived secondary organic aerosol precursors. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1471-1489.	4.9	119
89	Modeling C_1 - C_4 Alkyl Nitrate Photochemistry and Their Impacts on O_3 Production in Urban and Suburban Environments of Hong Kong. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10,539.	3.3	14
90	Long-term O_3 and NO_2 precursor relationships in Hong Kong: field observation and model simulation. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 10919-10935.	4.9	98

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91	Size-resolved aerosol and cloud condensation nuclei (CCN) properties in the remote marine South China Sea – Part 1: Observations and source classification. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1105-1123.	4.9	28
92	Variability and quasi-decadal changes in the methane budget over the period 2000–2012. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11135-11161.	4.9	85
93	Higher measured than modeled ozone production at increased NO ₂ levels in the Colorado Front Range. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11273-11292.	4.9	18
94	Assessing a New Clue to How Much Carbon Plants Take Up. <i>Eos</i> , 2017, , .	0.1	2
95	Surface ozone in the Colorado northern Front Range and the influence of oil and gas development during FRAPPE/DISCOVER-AQ in summer 2014. <i>Elementa</i> , 2017, 5, .	3.2	33
96	Challenges associated with the sampling and analysis of organosulfur compounds in air using real-time PTR-ToF-MS and offline GC-FID. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 1325-1340.	3.1	27
97	Nighttime chemistry at a high altitude site above Hong Kong. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2457-2475.	3.3	78
98	OH reactivity in urban and suburban regions in Seoul, South Korea – an East Asian megacity in a rapid transition. <i>Faraday Discussions</i> , 2016, 189, 231-251.	3.2	31
99	Bacteria in the airways of patients with cystic fibrosis are genetically capable of producing VOCs in breath. <i>Journal of Breath Research</i> , 2016, 10, 047103.	3.0	30
100	Spatial patterns and source attribution of urban methane in the Los Angeles Basin. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2490-2507.	3.3	50
101	Formaldehyde column density measurements as a suitable pathway to estimate near-surface ozone tendencies from space. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 13088-13112.	3.3	19
102	Estimating Emissions of Toxic Hydrocarbons from Natural Gas Production Sites in the Barnett Shale Region of Northern Texas. <i>Environmental Science & Technology</i> , 2016, 50, 10756-10764.	10.0	41
103	Observations of nitryl chloride and modeling its source and effect on ozone in the planetary boundary layer of southern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2476-2489.	3.3	118
104	Observational evidence for the convective transport of dust over the Central United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1306-1319.	3.3	23
105	Atmospheric benzene observations from oil and gas production in the Denver–Julesburg Basin in July and August 2014. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,055.	3.3	70
106	Oxidative capacity and radical chemistry in the polluted atmosphere of Hong Kong and Pearl River Delta region: analysis of a severe photochemical smog episode. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9891-9903.	4.9	168
107	Convective transport and scavenging of peroxides by thunderstorms observed over the central U.S. during DC3. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4272-4295.	3.3	24
108	Nepal Ambient Monitoring and Source Testing Experiment (NAMaSTE): emissions of trace gases and light-absorbing carbon from wood and dung cooking fires, garbage and crop residue burning, brick kilns, and other sources. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11043-11081.	4.9	131

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109	Aerosol meteorology of Maritime Continent for the 2012 7SEAS southwest monsoon intensive study â€” Part 2: Philippine receptor observations of fine-scale aerosol behavior. Atmospheric Chemistry and Physics, 2016, 16, 14057-14078.	4.9	38
110	Effectiveness of replacing catalytic converters in LPG-fueled vehicles in Hong Kong. Atmospheric Chemistry and Physics, 2016, 16, 6609-6626.	4.9	46
111	Field measurements of trace gases and aerosols emitted by peat fires in Central Kalimantan, Indonesia, during the 2015 El NiÃ±o. Atmospheric Chemistry and Physics, 2016, 16, 11711-11732.	4.9	161
112	Quantifying the loss of processed natural gas within California's South Coast Air Basin using long-term measurements of ethane and methane. Atmospheric Chemistry and Physics, 2016, 16, 14091-14105.	4.9	48
113	Organic nitrate chemistry and its implications for nitrogen budgets in an isoprene- and monoterpene-rich atmosphere: constraints from aircraft (SEAC<sup>4</sup>RS) and ground-based (SOAS) observations in the Southeast US. Atmospheric Chemistry and Physics, 2016, 16, 5969-5991.	4.9	173
114	Using stable isotopes of hydrogen to quantify biogenic and thermogenic atmospheric methane sources: A case study from the Colorado Front Range. Geophysical Research Letters, 2016, 43, 11,462.	4.0	34
115	Agricultural fires in the southeastern U.S. during SEAC<sup>4</sup>RS: Emissions of trace gases and particles and evolution of ozone, reactive nitrogen, and organic aerosol. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7383-7414.	3.3	93
116	Wet scavenging of soluble gases in DC3 deep convective storms using WRFâ€”Chem simulations and aircraft observations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4233-4257.	3.3	29
117	Methane emissions from the 2015 Aliso Canyon blowout in Los Angeles, CA. Science, 2016, 351, 1317-1320.	12.6	183
118	Continued emissions of carbon tetrachloride from the United States nearly two decades after its phaseout for dispersive uses. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2880-2885.	7.1	32
119	Chemical Characterization and Source Apportionment of PM2.5 in Rabigh, Saudi Arabia. Aerosol and Air Quality Research, 2016, 16, 3114-3129.	2.1	34
120	The global methane budget 2000â€”2012. Earth System Science Data, 2016, 8, 697-751.	9.9	824
121	Quantification of Aerosol Hydrofluoroalkane HFAâ€”134a Elimination in the Exhaled Human Breath Following Inhaled Corticosteroids Administration. Clinical and Translational Science, 2015, 8, 445-450.	3.1	1
122	Upper tropospheric ozone production from lightning NO_x-impacted convection: Smoke ingestion case study from the DC3 campaign. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2505-2523.	3.3	88
123	The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations. Atmospheric Chemistry and Physics, 2015, 15, 6721-6744.	4.9	62
124	Observations of the temporal variability in aerosol properties and their relationships to meteorology in the summer monsoonal South China Sea/East Sea: the scale-dependent role of monsoonal flows, the Maddenâ€”Julian Oscillation, tropical cyclones, squall lines and cold pools. Atmospheric Chemistry and Physics, 2015, 15, 1745-1768.	4.9	39
125	Increase in HFCâ€”134a emissions in response to the success of the Montreal Protocol. Journal of Geophysical Research D: Atmospheres, 2015, 120, 11,728.	3.3	15
126	Study of Black Sand Particles from Sand Dunes in Badr, Saudi Arabia Using Electron Microscopy. Atmosphere, 2015, 6, 1175-1194.	2.3	4

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127	Airborne measurements of organosulfates over the continental U.S.. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2990-3005.	3.3	96
128	The future of airborne sulfur-containing particles in the absence of fossil fuel sulfur dioxide emissions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13514-13519.	7.1	76
129	Nighttime air quality under desert conditions. Atmospheric Environment, 2015, 114, 102-111.	4.1	6
130	Integrating Source Apportionment Tracers into a Bottom-up Inventory of Methane Emissions in the Barnett Shale Hydraulic Fracturing Region. Environmental Science & Technology, 2015, 49, 8175-8182.	10.0	55
131	Characterization of volatile organic compounds at a roadside environment in Hong Kong: An investigation of influences after air pollution control strategies. Atmospheric Environment, 2015, 122, 809-818.	4.1	64
132	Changes in nitrogen oxides emissions in California during 2005â€“2010 indicated from topâ€“down and bottomâ€“up emission estimates. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,928.	3.3	16
133	Breath gas metabolites and bacterial metagenomes from cystic fibrosis airways indicate active pH neutral 2,3-butanedione fermentation. ISME Journal, 2014, 8, 1247-1258.	9.8	114
134	Results from the International Halocarbons in Air Comparison Experiment (IHALACE). Atmospheric Measurement Techniques, 2014, 7, 469-490.	3.1	37
135	Elevated Carbon Monoxide to Carbon Dioxide Ratio in the Exhaled Breath of Mice Treated With a Single Dose of Lipopolysaccharide. Open Forum Infectious Diseases, 2014, 1, ofu085.	0.9	15
136	On the use of an explicit chemical mechanism to dissect peroxy acetyl nitrate formation. Environmental Pollution, 2014, 195, 39-47.	7.5	53
137	Air Quality in Mecca and Surrounding Holy Places in Saudi Arabia During Hajj: Initial Survey. Environmental Science & Technology, 2014, 48, 8529-8537.	10.0	45
138	High-Global Warming Potential F-gas Emissions in California: Comparison of Ambient-Based versus Inventory-Based Emission Estimates, and Implications of Refined Estimates. Environmental Science & Technology, 2014, 48, 1084-1093.	10.0	5
139	Increasing External Effects Negate Local Efforts to Control Ozone Air Pollution: A Case Study of Hong Kong and Implications for Other Chinese Cities. Environmental Science & Technology, 2014, 48, 10769-10775.	10.0	125
140	Secondary Organic Aerosol Formation from in-Use Motor Vehicle Emissions Using a Potential Aerosol Mass Reactor. Environmental Science & Technology, 2014, 48, 11235-11242.	10.0	154
141	Mapping of North American methane emissions with high spatial resolution by inversion of SCIAMACHY satellite data. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7741-7756.	3.3	126
142	Ambient CFCs and HCFC-22 observed concurrently at 84 sites in the Pearl River Delta region during the 2008-2009 grid studies. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7699-7717.	3.3	19
143	Evidence of mixing between polluted convective outflow and stratospheric air in the upper troposphere during DC3. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,477.	3.3	16
144	Ground-level ozone in four Chinese cities: precursors, regional transport and heterogeneous processes. Atmospheric Chemistry and Physics, 2014, 14, 13175-13188.	4.9	305

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145	Chlorine as a primary radical: evaluation of methods to understand its role in initiation of oxidative cycles. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3427-3440.	4.9	90
146	Emissions of organic carbon and methane from petroleum and dairy operations in California's San Joaquin Valley. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4955-4978.	4.9	59
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