

Allen L Robinson

List of Publications by Year in descending order

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222
papers

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8208

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273
docs citations

273
times ranked

13294
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#	ARTICLE	IF	CITATIONS
1	Cardiopulmonary Mortality and Fine Particulate Air Pollution by Species and Source in a National U.S. Cohort. <i>Environmental Science & Technology</i> , 2022, 56, 7214-7223.	4.6	21
2	Limited Secondary Organic Aerosol Production from Acyclic Oxygenated Volatile Chemical Products. <i>Environmental Science & Technology</i> , 2022, 56, 4806-4815.	4.6	11
3	Full-volatility emission framework corrects missing and underestimated secondary organic aerosol sources. <i>One Earth</i> , 2022, 5, 403-412.	3.6	44
4	Criteria pollutant impacts of volatile chemical products informed by near-field modelling. <i>Nature Sustainability</i> , 2021, 4, 129-137.	11.5	58
5	Fine Particulate Matter Air Pollution and Mortality Risk Among US Cancer Patients and Survivors. <i>JNCI Cancer Spectrum</i> , 2021, 5, pkab001.	1.4	18
6	Measurement report: Distinct emissions and volatility distribution of intermediate-volatility organic compounds from on-road Chinese gasoline vehicles: implication of high secondary organic aerosol formation potential. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 2569-2583.	1.9	45
7	Past, present, and future of ultrafine particle exposures in North America. <i>Atmospheric Environment: X</i> , 2021, 10, 100109.	0.8	13
8	Changes in criteria air pollution levels in the US before, during, and after Covid-19 stay-at-home orders: Evidence from regulatory monitors. <i>Science of the Total Environment</i> , 2021, 769, 144693.	3.9	52
9	Air quality-related health damages of food. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	70
10	High-Spatial-Resolution Estimates of Ultrafine Particle Concentrations across the Continental United States. <i>Environmental Science & Technology</i> , 2021, 55, 10320-10331.	4.6	29
11	Local- and regional-scale racial and ethnic disparities in air pollution determined by long-term mobile monitoring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	57
12	The food we eat, the air we breathe: a review of the fine particulate matter-induced air quality health impacts of the global food system. <i>Environmental Research Letters</i> , 2021, 16, 103004.	2.2	17
13	Disparities in Air Pollution Exposure in the United States by Race/Ethnicity and Income, 1990-2010. <i>Environmental Health Perspectives</i> , 2021, 129, 127005.	2.8	154
14	Fine particle mass monitoring with low-cost sensors: Corrections and long-term performance evaluation. <i>Aerosol Science and Technology</i> , 2020, 54, 160-174.	1.5	136
15	Urban Oxidation Flow Reactor Measurements Reveal Significant Secondary Organic Aerosol Contributions from Volatile Emissions of Emerging Importance. <i>Environmental Science & Technology</i> , 2020, 54, 714-725.	4.6	44
16	Fine Particulate Matter Exposure and Cancer Incidence: Analysis of SEER Cancer Registry Data from 1992-2016. <i>Environmental Health Perspectives</i> , 2020, 128, 107004.	2.8	55
17	Reducing Mortality from Air Pollution in the United States by Targeting Specific Emission Sources. <i>Environmental Science and Technology Letters</i> , 2020, 7, 639-645.	3.9	64
18	Using a network of lower-cost monitors to identify the influence of modifiable factors driving spatial patterns in fine particulate matter concentrations in an urban environment. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020, 30, 949-961.	1.8	17

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19	Biomass burning organic aerosol from prescribed burning and other activities in the United States. <i>Atmospheric Environment</i> , 2020, 241, 117753.	1.9	4
20	Optimizing Emissions Reductions from the U.S. Power Sector for Climate and Health Benefits. <i>Environmental Science & Technology</i> , 2020, 54, 7513-7523.	4.6	31
21	Simulation of organic aerosol formation during the CalNex study: updated mobile emissions and secondary organic aerosol parameterization for intermediate-volatility organic compounds. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4313-4332.	1.9	42
22	Cancer mortality risk, fine particulate air pollution, and smoking in a large, representative cohort of US adults. <i>Cancer Causes and Control</i> , 2020, 31, 767-776.	0.8	73
23	Impacts of Modifiable Factors on Ambient Air Pollution: A Case Study of COVID-19 Shutdowns. <i>Environmental Science and Technology Letters</i> , 2020, 7, 554-559.	3.9	53
24	Water-soluble iron emitted from vehicle exhaust is linked to primary speciated organic compounds. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1849-1860.	1.9	9
25	Estimating long-term pollution exposure effects through inverse probability weighting methods with Cox proportional hazards models. <i>Environmental Epidemiology</i> , 2020, 4, e085.	1.4	10
26	Spatial Correlation of Ultrafine Particle Number and Fine Particle Mass at Urban Scales: Implications for Health Assessment. <i>Environmental Science & Technology</i> , 2020, 54, 9295-9304.	4.6	21
27	The relationship between black carbon and polycyclic aromatic hydrocarbon exposures and mortality in Allegheny County, Pennsylvania. <i>Air Quality, Atmosphere and Health</i> , 2020, 13, 893-908.	1.5	1
28	Comparing regional stove usage patterns and using those patterns to model indoor air quality impacts. <i>Indoor Air</i> , 2020, 30, 521-533.	2.0	7
29	Moving beyond Fine Particle Mass: High-Spatial Resolution Exposure to Source-Resolved Atmospheric Particle Number and Chemical Mixing State. <i>Environmental Health Perspectives</i> , 2020, 128, 17009.	2.8	16
30	Spatial decomposition analysis of NO ₂ and PM _{2.5} air pollution in the United States. <i>Atmospheric Environment</i> , 2020, 241, 117470.	1.9	35
31	Socio-economic disparities in exposure to urban restaurant emissions are larger than for traffic. <i>Environmental Research Letters</i> , 2020, 15, 114039.	2.2	21
32	Improving Correlations between Land Use and Air Pollutant Concentrations Using Wavelet Analysis: Insights from a Low-cost Sensor Network. <i>Aerosol and Air Quality Research</i> , 2020, 20, 314-328.	0.9	16
33	PM _{2.5} and ozone air pollution levels have not dropped consistently across the US following societal covid response. <i>ISEE Conference Abstracts</i> , 2020, 2020, .	0.0	3
34	Land-Use Regression Modeling of Source-Resolved Fine Particulate Matter Components from Mobile Sampling. <i>Environmental Science & Technology</i> , 2019, 53, 8925-8937.	4.6	29
35	Mortality Risk and Fine Particulate Air Pollution in a Large, Representative Cohort of U.S. Adults. <i>Environmental Health Perspectives</i> , 2019, 127, 77007.	2.8	144
36	Urban Ultrafine Particle Exposure Assessment with Land-Use Regression: Influence of Sampling Strategy. <i>Environmental Science & Technology</i> , 2019, 53, 7326-7336.	4.6	33

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37	Production of Secondary Organic Aerosol During Aging of Biomass Burning Smoke From Fresh Fuels and Its Relationship to VOC Precursors. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 3583-3606.	1.2	67
38	Spatially dense air pollutant sampling: Implications of spatial variability on the representativeness of stationary air pollutant monitors. <i>Atmospheric Environment: X</i> , 2019, 2, 100012.	0.8	48
39	Quantifying the social equity state of an energy system: environmental and labor market equity of the shale gas boom in Appalachia. <i>Environmental Research Letters</i> , 2019, 14, 124072.	2.2	10
40	Cumulative environmental and employment impacts of the shale gas boom. <i>Nature Sustainability</i> , 2019, 2, 1122-1131.	11.5	34
41	Air pollution and mortality in a large, representative U.S. cohort: multiple-pollutant analyses, and spatial and temporal decompositions. <i>Environmental Health</i> , 2019, 18, 101.	1.7	27
42	Detailed Speciation of Intermediate Volatility and Semivolatile Organic Compound Emissions from Gasoline Vehicles: Effects of Cold-Starts and Implications for Secondary Organic Aerosol Formation. <i>Environmental Science & Technology</i> , 2019, 53, 1706-1714.	4.6	75
43	Quantifying high-resolution spatial variations and local source impacts of urban ultrafine particle concentrations. <i>Science of the Total Environment</i> , 2019, 655, 473-481.	3.9	54
44	Simulation of fresh and chemically-aged biomass burning organic aerosol. <i>Atmospheric Environment</i> , 2019, 196, 27-37.	1.9	8
45	Mass accommodation coefficients of fresh and aged biomass-burning emissions. <i>Aerosol Science and Technology</i> , 2018, 52, 300-309.	1.5	10
46	Secondary Organic Aerosol Production from Gasoline Vehicle Exhaust: Effects of Engine Technology, Cold Start, and Emission Certification Standard. <i>Environmental Science & Technology</i> , 2018, 52, 1253-1261.	4.6	70
47	High-spatial-resolution mapping and source apportionment of aerosol composition in Oakland, California, using mobile aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16325-16344.	1.9	46
48	Comprehensive organic emission profiles for gasoline, diesel, and gas-turbine engines including intermediate and semi-volatile organic compound emissions. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17637-17654.	1.9	83
49	Methane Emissions from Natural Gas Production Sites in the United States: Data Synthesis and National Estimate. <i>Environmental Science & Technology</i> , 2018, 52, 12915-12925.	4.6	83
50	Intra-city variability of PM exposure is driven by carbonaceous sources and correlated with land use variables. <i>Environmental Science & Technology</i> , 2018, 52, 11545-11554.	4.6	29
51	Aerosol Optical Properties and Climate Implications of Emissions from Traditional and Improved Cookstoves. <i>Environmental Science & Technology</i> , 2018, 52, 13647-13656.	4.6	9
52	Reduced Ultrafine Particle Concentration in Urban Air: Changes in Nucleation and Anthropogenic Emissions. <i>Environmental Science & Technology</i> , 2018, 52, 6798-6806.	4.6	29
53	Spatial Variability of Sources and Mixing State of Atmospheric Particles in a Metropolitan Area. <i>Environmental Science & Technology</i> , 2018, 52, 6807-6815.	4.6	42
54	Field measurements of solid-fuel cookstove emissions from uncontrolled cooking in China, Honduras, Uganda, and India. <i>Atmospheric Environment</i> , 2018, 190, 116-125.	1.9	52

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55	A machine learning calibration model using random forests to improve sensor performance for lower-cost air quality monitoring. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 291-313.	1.2	312
56	Restaurant Impacts on Outdoor Air Quality: Elevated Organic Aerosol Mass from Restaurant Cooking with Neighborhood-Scale Plume Extents. <i>Environmental Science & Technology</i> , 2018, 52, 9285-9294.	4.6	61
57	Size distribution of vehicle emitted primary particles measured in a traffic tunnel. <i>Atmospheric Environment</i> , 2018, 191, 9-18.	1.9	20
58	Secondary organic aerosol production from pinanediol, a semi-volatile surrogate for first-generation oxidation products of monoterpenes. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6171-6186.	1.9	8
59	The Firepower Sweep Test: A novel approach to cookstove laboratory testing. <i>Indoor Air</i> , 2018, 28, 936-949.	2.0	23
60	Assessment of methane emissions from the U.S. oil and gas supply chain. <i>Science</i> , 2018, 361, 186-188.	6.0	519
61	Integrating Spatiotemporal Variability and Modifiable Factors into Air Pollution Estimates. <i>ISEE Conference Abstracts</i> , 2018, 2018, .	0.0	1
62	System-wide and Superemitter Policy Options for the Abatement of Methane Emissions from the U.S. Natural Gas System. <i>Environmental Science & Technology</i> , 2017, 51, 4772-4780.	4.6	25
63	Impact of natural gas development in the Marcellus and Utica shales on regional ozone and fine particulate matter levels. <i>Atmospheric Environment</i> , 2017, 155, 11-20.	1.9	22
64	Comparison of Gasoline Direct-Injection (GDI) and Port Fuel Injection (PFI) Vehicle Emissions: Emission Certification Standards, Cold-Start, Secondary Organic Aerosol Formation Potential, and Potential Climate Impacts. <i>Environmental Science & Technology</i> , 2017, 51, 6542-6552.	4.6	184
65	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.	1.2	41
66	Review of Urban Secondary Organic Aerosol Formation from Gasoline and Diesel Motor Vehicle Emissions. <i>Environmental Science & Technology</i> , 2017, 51, 1074-1093.	4.6	348
67	Gasoline cars produce more carbonaceous particulate matter than modern filter-equipped diesel cars. <i>Scientific Reports</i> , 2017, 7, 4926.	1.6	133
68	Reducing secondary organic aerosol formation from gasoline vehicle exhaust. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6984-6989.	3.3	107
69	Chemical transport model simulations of organic aerosol in southern California: model evaluation and gasoline and diesel source contributions. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 4305-4318.	1.9	53
70	Evaluating the impact of new observational constraints on P-S/IVOC emissions, multi-generation oxidation, and chamber wall losses on SOA modeling for Los Angeles, CA. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9237-9259.	1.9	36
71	Time Resolved Measurements of Speciated Tailpipe Emissions from Motor Vehicles: Trends with Emission Control Technology, Cold Start Effects, and Speciation. <i>Environmental Science & Technology</i> , 2016, 50, 13592-13599.	4.6	50
72	Intermediate Volatility Organic Compound Emissions from On-Road Gasoline Vehicles and Small Off-Road Gasoline Engines. <i>Environmental Science & Technology</i> , 2016, 50, 4554-4563.	4.6	167

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73	Application of plume analysis to build land use regression models from mobile sampling to improve model transferability. <i>Atmospheric Environment</i> , 2016, 134, 51-60.	1.9	21
74	Methane Emissions from Conventional and Unconventional Natural Gas Production Sites in the Marcellus Shale Basin. <i>Environmental Science & Technology</i> , 2016, 50, 2099-2107.	4.6	127
75	The interplay between assumed morphology and the direct radiative effect of light-absorbing organic aerosol. <i>Geophysical Research Letters</i> , 2016, 43, 8735-8743.	1.5	12
76	Optical properties of black carbon in cookstove emissions coated with secondary organic aerosols: Measurements and modeling. <i>Aerosol Science and Technology</i> , 2016, 50, 1264-1276.	1.5	38
77	Quantifying the effect of organic aerosol aging and intermediate-volatility emissions on regional-scale aerosol pollution in China. <i>Scientific Reports</i> , 2016, 6, 28815.	1.6	110
78	Where Did This Particle Come From? Sources of Particle Number and Mass for Human Exposure Estimates. <i>Issues in Environmental Science and Technology</i> , 2016, , 35-71.	0.4	5
79	Possible malfunction in widely used methane sampler deserves attention but poses limited implications for supply chain emission estimates. <i>Elementa</i> , 2016, 4, .	1.1	11
80	Contribution of brown carbon and lensing to the direct radiative effect of carbonaceous aerosols from biomass and biofuel burning emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 10,285.	1.2	134
81	Estimates of non-traditional secondary organic aerosols from aircraft SVOC and IVOC emissions using CMAQ. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6929-6942.	1.9	31
82	Corrigendum to "Secondary organic aerosol formation exceeds primary particulate matter emissions for light-duty gasoline vehicles" published in <i>Atmos. Chem. Phys.</i> , 14, 4661-4678, 2014. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 19-20.	1.9	1
83	Measurements of methane emissions from natural gas gathering facilities and processing plants: measurement methods. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 2017-2035.	1.2	82
84	Reconciling divergent estimates of oil and gas methane emissions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15597-15602.	3.3	209
85	Methane Emissions from Natural Gas Compressor Stations in the Transmission and Storage Sector: Measurements and Comparisons with the EPA Greenhouse Gas Reporting Program Protocol. <i>Environmental Science & Technology</i> , 2015, 49, 3252-3261.	4.6	129
86	Measurements of Methane Emissions from Natural Gas Gathering Facilities and Processing Plants: Measurement Results. <i>Environmental Science & Technology</i> , 2015, 49, 3219-3227.	4.6	133
87	Constructing a Spatially Resolved Methane Emission Inventory for the Barnett Shale Region. <i>Environmental Science & Technology</i> , 2015, 49, 8147-8157.	4.6	133
88	Methane Emissions from the Natural Gas Transmission and Storage System in the United States. <i>Environmental Science & Technology</i> , 2015, 49, 9374-9383.	4.6	143
89	Methane Emissions from United States Natural Gas Gathering and Processing. <i>Environmental Science & Technology</i> , 2015, 49, 10718-10727.	4.6	111
90	Intermediate Volatility Organic Compound Emissions from On-Road Diesel Vehicles: Chemical Composition, Emission Factors, and Estimated Secondary Organic Aerosol Production. <i>Environmental Science & Technology</i> , 2015, 49, 11516-11526.	4.6	172

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91	Contribution of brown carbon and lensing to the direct radiative effect of carbonaceous aerosols from biomass and biofuel burning emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, , n/a-n/a.	1.2	13
92	Intermediate-Volatility Organic Compounds: A Large Source of Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2014, 48, 13743-13750.	4.6	221
93	Unspeciated organic emissions from combustion sources and their influence on the secondary organic aerosol budget in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10473-10478.	3.3	196
94	Air pollutant emissions from the development, production, and processing of Marcellus Shale natural gas. <i>Journal of the Air and Waste Management Association</i> , 2014, 64, 19-37.	0.9	104
95	Characterizing the Spatial Variation of Air Pollutants and the Contributions of High Emitting Vehicles in Pittsburgh, PA. <i>Environmental Science & Technology</i> , 2014, 48, 14186-14194.	4.6	56
96	Brownness of organics in aerosols from biomass burning linked to their black carbon content. <i>Nature Geoscience</i> , 2014, 7, 647-650.	5.4	407
97	Computational Analysis of Particle Nucleation in Dilution Tunnels: Effects of Flow Configuration and Tunnel Geometry. <i>Aerosol Science and Technology</i> , 2014, 48, 638-648.	1.5	5
98	Quantifying uncertainties in pollutant mapping studies using the Monte Carlo method. <i>Atmospheric Environment</i> , 2014, 99, 333-340.	1.9	17
99	Secondary Organic Aerosol Formation from in-Use Motor Vehicle Emissions Using a Potential Aerosol Mass Reactor. <i>Environmental Science & Technology</i> , 2014, 48, 11235-11242.	4.6	154
100	Gas- and particle-phase primary emissions from in-use, on-road gasoline and diesel vehicles. <i>Atmospheric Environment</i> , 2014, 88, 247-260.	1.9	201
101	Secondary organic aerosol formation exceeds primary particulate matter emissions for light-duty gasoline vehicles. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4661-4678.	1.9	158
102	Testing secondary organic aerosol models using smog chamber data for complex precursor mixtures: influence of precursor volatility and molecular structure. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5771-5780.	1.9	20
103	Emission factor ratios, SOA mass yields, and the impact of vehicular emissions on SOA formation. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 2383-2397.	1.9	83
104	Secondary organic aerosol production from diesel vehicle exhaust: impact of aftertreatment, fuel chemistry and driving cycle. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4643-4659.	1.9	119
105	Primary to secondary organic aerosol: evolution of organic emissions from mobile combustion sources. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5015-5036.	1.9	50
106	A naming convention for atmospheric organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5825-5839.	1.9	88
107	Trace gas emissions from combustion of peat, crop residue, domestic biofuels, grasses, and other fuels: configuration and Fourier transform infrared (FTIR) component of the fourth Fire Lab at Missoula Experiment (FLAME-4). <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 9727-9754.	1.9	188
108	Aerosol single scattering albedo dependence on biomass combustion efficiency: Laboratory and field studies. <i>Geophysical Research Letters</i> , 2014, 41, 742-748.	1.5	85

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109	An Enhanced Sub-grid Scale Approach to Characterize Air Quality Impacts of Aircraft Emissions. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 327-332.	0.1	1
110	Gas-particle partitioning of primary organic aerosol emissions: (1) Gasoline vehicle exhaust. Atmospheric Environment, 2013, 77, 128-139.	1.9	136
111	Secondary Organic Aerosol Formation from Photo-Oxidation of Unburned Fuel: Experimental Results and Implications for Aerosol Formation from Combustion Emissions. Environmental Science & Technology, 2013, 47, 12886-12893.	4.6	73
112	Time Scales for Gas-Particle Partitioning Equilibration of Secondary Organic Aerosol Formed from Alpha-Pinene Ozonolysis. Environmental Science & Technology, 2013, 47, 5588-5594.	4.6	122
113	Analyses of Turbulent Flow Fields and Aerosol Dynamics of Diesel Engine Exhaust Inside Two Dilution Sampling Tunnels Using the CTAG Model. Environmental Science & Technology, 2013, 47, 889-898.	4.6	12
114	Primary Gas- and Particle-Phase Emissions and Secondary Organic Aerosol Production from Gasoline and Diesel Off-Road Engines. Environmental Science & Technology, 2013, 47, 14137-14146.	4.6	75
115	Gas-Particle Partitioning of Primary Organic Aerosol Emissions: (2) Diesel Vehicles. Environmental Science & Technology, 2013, 47, 8288-8296.	4.6	126
116	Absorptivity of brown carbon in fresh and photo-chemically aged biomass-burning emissions. Atmospheric Chemistry and Physics, 2013, 13, 7683-7693.	1.9	297
117	Why do organic aerosols exist? Understanding aerosol lifetimes using the two-dimensional volatility basis set. Environmental Chemistry, 2013, 10, 151.	0.7	103
118	Gas-particle partitioning of primary organic aerosol emissions: 3. Biomass burning. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,327.	1.2	178
119	Determination of Volatility Distributions of Primary Organic Aerosol Emissions from Internal Combustion Engines Using Thermal Desorption Gas Chromatography Mass Spectrometry. Aerosol Science and Technology, 2012, 46, 1129-1139.	1.5	49
120	Volatility and Aging of Atmospheric Organic Aerosol. Topics in Current Chemistry, 2012, 339, 97-143.	4.0	70
121	Temperature Dependence of Gas-particle Partitioning of Primary Organic Aerosol Emissions from a Small Diesel Engine. Aerosol Science and Technology, 2012, 46, 13-21.	1.5	37
122	A two-dimensional volatility basis set - Part 2: Diagnostics of organic-aerosol evolution. Atmospheric Chemistry and Physics, 2012, 12, 615-634.	1.9	491
123	Cloud condensation nuclei activity of fresh primary and aged biomass burning aerosol. Atmospheric Chemistry and Physics, 2012, 12, 7285-7293.	1.9	115
124	Modeling the formation and properties of traditional and non-traditional secondary organic aerosol: problem formulation and application to aircraft exhaust. Atmospheric Chemistry and Physics, 2012, 12, 9025-9040.	1.9	28
125	Volatility of Organic Molecular Markers Used for Source Apportionment Analysis: Measurements and Implications for Atmospheric Lifetime. Environmental Science & Technology, 2012, 46, 12435-12444.	4.6	83
126	Fuel Composition and Secondary Organic Aerosol Formation: Gas-Turbine Exhaust and Alternative Aviation Fuels. Environmental Science & Technology, 2012, 46, 8493-8501.	4.6	31

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127	Particulate Matter and Organic Vapor Emissions from a Helicopter Engine Operating on Petroleum and Fischer-Tropsch Fuels. <i>Energy & Fuels</i> , 2012, 26, 4756-4766.	2.5	18
128	Secondary Organic Aerosol Formation from Intermediate-Volatility Organic Compounds: Cyclic, Linear, and Branched Alkanes. <i>Environmental Science & Technology</i> , 2012, 46, 8773-8781.	4.6	178
129	A volatility basis set model for summertime secondary organic aerosols over the eastern United States in 2006. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	195
130	New particle formation and growth in biomass burning plumes: An important source of cloud condensation nuclei. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	54
131	Organic Aerosol Formation Downwind from the Deepwater Horizon Oil Spill. <i>Science</i> , 2011, 331, 1295-1299.	6.0	162
132	Understanding evolution of product composition and volatility distribution through in-situ GC-MS analysis: a case study of longifolene ozonolysis. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5335-5346.	1.9	35
133	Secondary aerosol formation from photochemical aging of aircraft exhaust in a smog chamber. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 4135-4147.	1.9	74
134	Chemical and physical transformations of organic aerosol from the photo-oxidation of open biomass burning emissions in an environmental chamber. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7669-7686.	1.9	329
135	The influence of semi-volatile and reactive primary emissions on the abundance and properties of global organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7727-7746.	1.9	86
136	A two-dimensional volatility basis set: 1. organic-aerosol mixing thermodynamics. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 3303-3318.	1.9	596
137	Evaluating the national air toxics assessment (NATA): Comparison of predicted and measured air toxics concentrations, risks, and sources in Pittsburgh, Pennsylvania. <i>Atmospheric Environment</i> , 2011, 45, 476-484.	1.9	22
138	Quantification of the effects of molecular marker oxidation on source apportionment estimates for motor vehicles. <i>Atmospheric Environment</i> , 2011, 45, 3132-3140.	1.9	24
139	Fine particle and organic vapor emissions from staged tests of an in-use aircraft engine. <i>Atmospheric Environment</i> , 2011, 45, 3603-3612.	1.9	71
140	Correction Methods for Organic Carbon Artifacts When Using Quartz-Fiber Filters in Large Particulate Matter Monitoring Networks: The Regression Method and Other Options. <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 696-710.	0.9	16
141	Characterization of fine primary biogenic organic aerosol in an urban area in the northeastern United States. <i>Atmospheric Environment</i> , 2010, 44, 3952-3962.	1.9	51
142	Spatial Variation in Ambient Air Toxics Concentrations and Health Risks between Industrial-Influenced, Urban, and Rural Sites. <i>Journal of the Air and Waste Management Association</i> , 2010, 60, 271-286.	0.9	27
143	Updating the Conceptual Model for Fine Particle Mass Emissions from Combustion Systems Allen L. Robinson. <i>Journal of the Air and Waste Management Association</i> , 2010, 60, 1204-1222.	0.9	121
144	Organic Aerosol Speciation: Intercomparison of Thermal Desorption Aerosol GC/MS (TAG) and Filter-Based Techniques. <i>Aerosol Science and Technology</i> , 2010, 44, 141-151.	1.5	20

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145	Levoglucon stability in biomass burning particles exposed to hydroxyl radicals. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	406
146	Secondary Organic Aerosol Formation from High-NO _x Photo-Oxidation of Low Volatility Precursors: <i>n</i> -Alkanes. <i>Environmental Science & Technology</i> , 2010, 44, 2029-2034.	4.6	187
147	Photo-Oxidation of Low-Volatility Organics Found in Motor Vehicle Emissions: Production and Chemical Evolution of Organic Aerosol Mass. <i>Environmental Science & Technology</i> , 2010, 44, 1638-1643.	4.6	82
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