

Allen L Robinson

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

238
papers

20,032
citations

76
h-index

137
g-index

273
ext. papers

23,201
ext. citations

7.2
avg, IF

6.72
L-index

#	Paper	IF	Citations
238	Limited Secondary Organic Aerosol Production from Acyclic Oxygenated Volatile Chemical Products.. <i>Environmental Science & Technology</i> , 2022 , 56, 4806-4815	10.3	1
237	Full-volatility emission framework corrects missing and underestimated secondary organic aerosol sources. <i>One Earth</i> , 2022 , 5, 403-412	8.1	3
236	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	6.2	2
235	Past, present, and future of ultrafine particle exposures in North America. <i>Atmospheric Environment: X</i> , 2021 , 10, 100109	2.8	3
234	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	10.2	19
233	Air quality-related health damages of food. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	16
232	High-Spatial-Resolution Estimates of Ultrafine Particle Concentrations across the Continental United States. <i>Environmental Science & Technology</i> , 2021 , 55, 10320-10331	10.3	4
231	Fine Particulate Matter Air Pollution and Mortality Risk Among US Cancer Patients and Survivors. <i>JNCI Cancer Spectrum</i> , 2021 , 5, pkab001	4.6	7
230	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	6.8	16
229	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,	11.5	11
228	Disparities in Air Pollution Exposure in the United States by Race/Ethnicity and Income, 1990-2010.. <i>Environmental Health Perspectives</i> , 2021 , 129, 127005	8.4	17
227	Optimizing Emissions Reductions from the U.S. Power Sector for Climate and Health Benefits. <i>Environmental Science & Technology</i> , 2020 , 54, 7513-7523	10.3	15
226	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	6.8	18
225	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	2.8	25
224	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	11	37
223	Water-soluble iron emitted from vehicle exhaust is linked to primary speciated organic compounds. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 1849-1860	6.8	6
222	Estimating long-term pollution exposure effects through inverse probability weighting methods with Cox proportional hazards models. <i>Environmental Epidemiology</i> , 2020 , 4, e085	0.2	1

221	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	10.3	10
220	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	5.6	1
219	Comparing regional stove-usage patterns and using those patterns to model indoor air quality impacts. <i>Indoor Air</i> , 2020 , 30, 521-533	5.4	4
218	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	8.4	10
217	Spatial decomposition analysis of NO ₂ and PM _{2.5} air pollution in the United States. <i>Atmospheric Environment</i> , 2020 , 241, 117470	5.3	15
216	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,	2.9	2
215	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	4.6	7
214	Socio-economic disparities in exposure to urban restaurant emissions are larger than for traffic. <i>Environmental Research Letters</i> , 2020 , 15, 114039	6.2	6
213	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	10.3	27
212	Fine Particulate Matter Exposure and Cancer Incidence: Analysis of SEER Cancer Registry Data from 1992-2016. <i>Environmental Health Perspectives</i> , 2020 , 128, 107004	8.4	17
211	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	11	19
210	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	6.7	9
209	Biomass burning organic aerosol from prescribed burning and other activities in the United States. <i>Atmospheric Environment</i> , 2020 , 241, 117753	5.3	3
208	Fine particle mass monitoring with low-cost sensors: Corrections and long-term performance evaluation. <i>Aerosol Science and Technology</i> , 2020 , 54, 160-174	3.4	69
207	Criteria pollutant impacts of volatile chemical products informed by near-field modeling. <i>Nature Sustainability</i> , 2020 , N/A, 1-57	22.1	19
206	Urban Ultrafine Particle Exposure Assessment with Land-Use Regression: Influence of Sampling Strategy. <i>Environmental Science & Technology</i> , 2019 , 53, 7326-7336	10.3	15
205	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	4.4	39
204	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	2.8	32

203	Land-Use Regression Modeling of Source-Resolved Fine Particulate Matter Components from Mobile Sampling. <i>Environmental Science & Technology</i> , 2019 , 53, 8925-8937	10.3	17
202	Mortality Risk and Fine Particulate Air Pollution in a Large, Representative Cohort of U.S. Adults. <i>Environmental Health Perspectives</i> , 2019 , 127, 77007	8.4	86
201	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	6.2	2
200	Cumulative environmental and employment impacts of the shale gas boom. <i>Nature Sustainability</i> , 2019 , 2, 1122-1131	22.1	15
199	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	6	17
198	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	10.3	39
197	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	10.2	24
196	Simulation of fresh and chemically-aged biomass burning organic aerosol. <i>Atmospheric Environment</i> , 2019 , 196, 27-37	5.3	6
195	Mass accommodation coefficients of fresh and aged biomass-burning emissions. <i>Aerosol Science and Technology</i> , 2018 , 52, 300-309	3.4	8
194	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	10.3	51
193	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	10.3	39
192	Size distribution of vehicle emitted primary particles measured in a traffic tunnel. <i>Atmospheric Environment</i> , 2018 , 191, 9-18	5.3	15
191	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	6.8	7
190	The Firepower Sweep Test: A novel approach to cookstove laboratory testing. <i>Indoor Air</i> , 2018 , 28, 936-949	5.4	16
189	Assessment of methane emissions from the U.S. oil and gas supply chain. <i>Science</i> , 2018 , 361, 186-188	33.3	334
188	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	6.8	26
187	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	6.8	44
186	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	10.3	47

185	Intracity Variability of Particulate Matter Exposure Is Driven by Carbonaceous Sources and Correlated with Land-Use Variables. <i>Environmental Science & Technology</i> , 2018 , 52, 11545-11554	10.3	19
184	Aerosol Optical Properties and Climate Implications of Emissions from Traditional and Improved Cookstoves. <i>Environmental Science & Technology</i> , 2018 , 52, 13647-13656	10.3	6
183	Reduced Ultrafine Particle Concentration in Urban Air: Changes in Nucleation and Anthropogenic Emissions. <i>Environmental Science & Technology</i> , 2018 , 52, 6798-6806	10.3	21
182	Spatial Variability of Sources and Mixing State of Atmospheric Particles in a Metropolitan Area. <i>Environmental Science & Technology</i> , 2018 , 52, 6807-6815	10.3	30
181	Field measurements of solid-fuel cookstove emissions from uncontrolled cooking in China, Honduras, Uganda, and India. <i>Atmospheric Environment</i> , 2018 , 190, 116-125	5.3	34
180	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	4	185
179	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	10.3	17
178	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	5.3	15
177	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	10.3	132
176	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	4.4	32
175	Review of Urban Secondary Organic Aerosol Formation from Gasoline and Diesel Motor Vehicle Emissions. <i>Environmental Science & Technology</i> , 2017 , 51, 1074-1093	10.3	229
174	Gasoline cars produce more carbonaceous particulate matter than modern filter-equipped diesel cars. <i>Scientific Reports</i> , 2017 , 7, 4926	4.9	92
173	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	11.5	73
172	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	6.8	39
171	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	6.8	29
170	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	3.4	29
169	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	4.9	88
168	Possible malfunction in widely used methane sampler deserves attention but poses limited implications for supply chain emission estimates. <i>Elementa</i> , 2016 , 4,	3.6	10

167	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	0.7	5
166	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	10.3	33
165	Intermediate Volatility Organic Compound Emissions from On-Road Gasoline Vehicles and Small Off-Road Gasoline Engines. <i>Environmental Science & Technology</i> , 2016 , 50, 4554-63	10.3	98
164	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	5.3	16
163	Methane Emissions from Conventional and Unconventional Natural Gas Production Sites in the Marcellus Shale Basin. <i>Environmental Science & Technology</i> , 2016 , 50, 2099-107	10.3	95
162	The interplay between assumed morphology and the direct radiative effect of light-absorbing organic aerosol. <i>Geophysical Research Letters</i> , 2016 , 43, 8735-8743	4.9	9
161	Constructing a Spatially Resolved Methane Emission Inventory for the Barnett Shale Region. <i>Environmental Science & Technology</i> , 2015 , 49, 8147-57	10.3	101
160	Methane Emissions from the Natural Gas Transmission and Storage System in the United States. <i>Environmental Science & Technology</i> , 2015 , 49, 9374-83	10.3	99
159	Methane Emissions from United States Natural Gas Gathering and Processing. <i>Environmental Science & Technology</i> , 2015 , 49, 10718-27	10.3	79
158	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, 11516-26	10.3	112
157	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	4.4	93
156	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	6.8	24
155	Measurements of methane emissions from natural gas gathering facilities and processing plants: measurement methods. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 2017-2035	4	60
154	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, 15597-602	11.5	145
153	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, 3252-61	10.3	105
152	Measurements of methane emissions from natural gas gathering facilities and processing plants: measurement results. <i>Environmental Science & Technology</i> , 2015 , 49, 3219-27	10.3	110
151	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	4.4	11
150	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	2.4	89

149	Characterizing the spatial variation of air pollutants and the contributions of high emitting vehicles in Pittsburgh, PA. <i>Environmental Science & Technology</i> , 2014 , 48, 14186-94	10.3	41
148	Brownness of organics in aerosols from biomass burning linked to their black carbon content. <i>Nature Geoscience</i> , 2014 , 7, 647-650	18.3	314
147	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	3.4	5
146	Quantifying uncertainties in pollutant mapping studies using the Monte Carlo method. <i>Atmospheric Environment</i> , 2014 , 99, 333-340	5.3	15
145	Secondary organic aerosol formation from in-use motor vehicle emissions using a potential aerosol mass reactor. <i>Environmental Science & Technology</i> , 2014 , 48, 11235-42	10.3	125
144	Gas- and particle-phase primary emissions from in-use, on-road gasoline and diesel vehicles. <i>Atmospheric Environment</i> , 2014 , 88, 247-260	5.3	165
143	Secondary organic aerosol formation exceeds primary particulate matter emissions for light-duty gasoline vehicles. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 4661-4678	6.8	128
142	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	6.8	17
141	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	6.8	67
140	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	6.8	102
139	Primary to secondary organic aerosol: evolution of organic emissions from mobile combustion sources. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 5015-5036	6.8	38
138	A naming convention for atmospheric organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 5825-5839	6.8	68
137	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	6.8	142
136	Aerosol single scattering albedo dependence on biomass combustion efficiency: Laboratory and field studies. <i>Geophysical Research Letters</i> , 2014 , 41, 742-748	4.9	72
135	Measurements of methane emissions from natural gas gathering facilities and processing plants: measurement methods 2014 ,		4
134	Intermediate-volatility organic compounds: a large source of secondary organic aerosol. <i>Environmental Science & Technology</i> , 2014 , 48, 13743-50	10.3	154
133	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, 10473-8	11.5	148
132	Volatility and aging of atmospheric organic aerosol. <i>Topics in Current Chemistry</i> , 2014 , 339, 97-143		56

131	An Enhanced Sub-grid Scale Approach to Characterize Air Quality Impacts of Aircraft Emissions. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2014 , 327-332	0.3	1
130	Gas-particle partitioning of primary organic aerosol emissions: (1) Gasoline vehicle exhaust. <i>Atmospheric Environment</i> , 2013 , 77, 128-139	5.3	111
129	Secondary organic aerosol formation from photo-oxidation of unburned fuel: experimental results and implications for aerosol formation from combustion emissions. <i>Environmental Science & Technology</i> , 2013 , 47, 12886-93	10.3	61
128	Time scales for gas-particle partitioning equilibration of secondary organic aerosol formed from alpha-pinene ozonolysis. <i>Environmental Science & Technology</i> , 2013 , 47, 5588-94	10.3	99
127	Analyses of turbulent flow fields and aerosol dynamics of diesel engine exhaust inside two dilution sampling tunnels using the CTAG model. <i>Environmental Science & Technology</i> , 2013 , 47, 889-98	10.3	10
126	Primary gas- and particle-phase emissions and secondary organic aerosol production from gasoline and diesel off-road engines. <i>Environmental Science & Technology</i> , 2013 , 47, 14137-46	10.3	64
125	Gas-particle partitioning of primary organic aerosol emissions: (2) diesel vehicles. <i>Environmental Science & Technology</i> , 2013 , 47, 8288-96	10.3	103
124	Absorptivity of brown carbon in fresh and photo-chemically aged biomass-burning emissions. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 7683-7693	6.8	231
123	Why do organic aerosols exist? Understanding aerosol lifetimes using the two-dimensional volatility basis set. <i>Environmental Chemistry</i> , 2013 , 10, 151	3.2	85
122	Gas-particle partitioning of primary organic aerosol emissions: 3. Biomass burning. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 11,327-11,338	4.4	144
121	Volatility of organic molecular markers used for source apportionment analysis: measurements and implications for atmospheric lifetime. <i>Environmental Science & Technology</i> , 2012 , 46, 12435-44	10.3	70
120	Fuel composition and secondary organic aerosol formation: gas-turbine exhaust and alternative aviation fuels. <i>Environmental Science & Technology</i> , 2012 , 46, 8493-501	10.3	26
119	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	4.1	14
118	Secondary organic aerosol formation from intermediate-volatility organic compounds: cyclic, linear, and branched alkanes. <i>Environmental Science & Technology</i> , 2012 , 46, 8773-81	10.3	134
117	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, n/a-n/a		159
116	New particle formation and growth in biomass burning plumes: An important source of cloud condensation nuclei. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	46
115	Determination of Volatility Distributions of Primary Organic Aerosol Emissions from Internal Combustion Engines Using Thermal Desorption Gas Chromatography Mass Spectrometry. <i>Aerosol Science and Technology</i> , 2012 , 46, 1129-1139	3.4	38
114	Temperature Dependence of Gas-Particle Partitioning of Primary Organic Aerosol Emissions from a Small Diesel Engine. <i>Aerosol Science and Technology</i> , 2012 , 46, 13-21	3.4	34

113	A two-dimensional volatility basis set [Part 2: Diagnostics of organic-aerosol evolution. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 615-634	6.8	365
112	Cloud condensation nuclei activity of fresh primary and aged biomass burning aerosol. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 7285-7293	6.8	86
111	Modeling the formation and properties of traditional and non-traditional secondary organic aerosol: problem formulation and application to aircraft exhaust. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 9025-9040	6.8	23
110	Organic aerosol formation downwind from the Deepwater Horizon oil spill. <i>Science</i> , 2011 , 331, 1295-9	33.3	138
109	Understanding evolution of product composition and volatility distribution through in-situ GC & GC analysis: a case study of longifolene ozonolysis. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 5335-5346	6.8	32
108	Secondary aerosol formation from photochemical aging of aircraft exhaust in a smog chamber. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 4135-4147	6.8	62
107	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	6.8	287
106	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	6.8	71
105	A two-dimensional volatility basis set: 1. organic-aerosol mixing thermodynamics. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 3303-3318	6.8	421
104	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	5.3	17
103	Quantification of the effects of molecular marker oxidation on source apportionment estimates for motor vehicles. <i>Atmospheric Environment</i> , 2011 , 45, 3132-3140	5.3	19
102	Fine particle and organic vapor emissions from staged tests of an in-use aircraft engine. <i>Atmospheric Environment</i> , 2011 , 45, 3603-3612	5.3	55
101	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	2.4	13
100	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, 271-86	2.4	26
99	Updating the conceptual model for fine particle mass emissions from combustion systems. <i>Journal of the Air and Waste Management Association</i> , 2010 , 60, 1204-22	2.4	103
98	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	3.4	18
97	Levoglucosan stability in biomass burning particles exposed to hydroxyl radicals. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	363
96	Secondary organic aerosol formation from high-NO(x) photo-oxidation of low volatility precursors: n-alkanes. <i>Environmental Science & Technology</i> , 2010 , 44, 2029-34	10.3	156

95	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, 1638-43	10.3	71
94	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, 1-4	2.4	1
93	Characterization of fine primary biogenic organic aerosol in an urban area in the northeastern United States. <i>Atmospheric Environment</i> , 2010 , 44, 3952-3962	5.3	36
92	Atmospheric organic particulate matter: From smoke to secondary organic aerosol. <i>Atmospheric Environment</i> , 2009 , 43, 94-106	5.3	292
91	High time-resolved measurements of organic air toxics in different source regimes. <i>Atmospheric Environment</i> , 2009 , 43, 6205-6217	5.3	17
90	Intermediate-volatility organic compounds: a potential source of ambient oxidized organic aerosol. <i>Environmental Science & Technology</i> , 2009 , 43, 4744-9	10.3	88
89	Effective rate constants and uptake coefficients for the reactions of organic molecular markers (n-alkanes, hopanes, and steranes) in motor oil and diesel primary organic aerosols with hydroxyl radicals. <i>Environmental Science & Technology</i> , 2009 , 43, 8794-800	10.3	82
88	Mixing and phase partitioning of primary and secondary organic aerosols. <i>Geophysical Research Letters</i> , 2009 , 36, n/a-n/a	4.9	45
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14	A two-dimensional volatility basis set Part 2: Diagnostics of organic-aerosol evolution		5
13	The influence of semi-volatile and reactive primary emissions on the abundance and properties of global organic aerosol		4
12	Cloud condensation nuclei activity of fresh primary and aged biomass burning aerosol		1
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9	Secondary organic aerosol formation exceeds primary particulate matter emissions for light-duty gasoline vehicles		9
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