

# James J Schauer

## List of Publications by Year in descending order

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Version: 2024-02-01

301  
papers

24,479  
citations

10070

75  
h-index

11608

140  
g-index

302  
all docs

302  
docs citations

302  
times ranked

15751  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oral cavity response to air pollutant exposure and association with pulmonary inflammation and symptoms in asthmatic children. <i>Environmental Research</i> , 2022, 206, 112275.	3.7	10
2	Elemental composition of fine and coarse particles across the greater Los Angeles area: Spatial variation and contributing sources. <i>Environmental Pollution</i> , 2022, 292, 118356.	3.7	21
3	An improved method for sampling and analytical measurement of aerosol platinum in ambient air and workplace environments. <i>Science of the Total Environment</i> , 2022, 814, 152657.	3.9	3
4	An improved understanding of NO <sub>x</sub> emissions in South Asian megacities using TROPOMI NO <sub>2</sub> retrievals. <i>Environmental Research Letters</i> , 2022, 17, 024006.	2.2	19
5	Household air pollution from solid fuel use as a dose-dependent risk factor for cognitive impairment in northern China. <i>Scientific Reports</i> , 2022, 12, 6187.	1.6	6
6	Real-time measurements of PM <sub>2.5</sub> and ozone to assess the effectiveness of residential indoor air filtration in Shanghai homes. <i>Indoor Air</i> , 2021, 31, 74-87.	2.0	35
7	Cytotoxicity and chemical composition of women's personal PM <sub>2.5</sub> exposures from rural China. <i>Environmental Science Atmospheres</i> , 2021, 1, 359-371.	0.9	2
8	Personal Exposure to PM <sub>2.5</sub> Oxidative Potential in Association with Pulmonary Pathophysiologic Outcomes in Children with Asthma. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3101-3111.	4.6	33
9	Wood burning pollution in Chile: A tale of two mid-size cities. <i>Atmospheric Pollution Research</i> , 2021, 12, 50-59.	1.8	4
10	Increases in the formation of water soluble organic nitrogen during Asian dust storm episodes. <i>Atmospheric Research</i> , 2021, 253, 105486.	1.8	9
11	Role of endogenous melatonin in pathophysiologic and oxidative stress responses to personal air pollutant exposures in asthmatic children. <i>Science of the Total Environment</i> , 2021, 773, 145709.	3.9	9
12	Source contributions to multiple toxic potentials of atmospheric organic aerosols. <i>Science of the Total Environment</i> , 2021, 773, 145614.	3.9	30
13	Assessment of long-range oriented source and oxidative potential on the South-west shoreline, Korea: Molecular marker receptor models during shipborne measurements. <i>Environmental Pollution</i> , 2021, 281, 116979.	3.7	8
14	Source attribution of air pollution using a generalized additive model and particle trajectory clusters. <i>Science of the Total Environment</i> , 2021, 780, 146458.	3.9	6
15	Quantitative estimation of meteorological impacts and the COVID-19 lockdown reductions on NO <sub>2</sub> and PM <sub>2.5</sub> over the Beijing area using Generalized Additive Models (GAM). <i>Journal of Environmental Management</i> , 2021, 291, 112676.	3.8	47
16	Distinguishing Air Pollution Due to Stagnation, Local Emissions, and Long-Range Transport Using a Generalized Additive Model to Analyze Hourly Monitoring Data. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2329-2340.	1.2	8
17	Reactive oxygen species (ROS) activity of fine particulate matter health impacts in Addis Ababa, Ethiopia. <i>Atmospheric Pollution Research</i> , 2021, 12, 101149.	1.8	3
18	Temporal trends in the spatial-scale contributions to black carbon in a Middle Eastern megacity. <i>Science of the Total Environment</i> , 2021, 792, 148364.	3.9	4

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19	Estimation of commercial cooking emissions in real-world operation: Particulate and gaseous emission factors, activity influencing and modelling. <i>Environmental Pollution</i> , 2021, 289, 117847.	3.7	13
20	Determinants of personal exposure to PM <sub>2.5</sub> and black carbon in Chinese adults: A repeated-measures study in villages using solid fuel energy. <i>Environment International</i> , 2021, 146, 106297.	4.8	18
21	Source Apportionment of Fine Organic Particulate Matter (PM <sub>2.5</sub> ) in Central Addis Ababa, Ethiopia. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11608.	1.2	8
22	Chemical Investigation of Household Solid Fuel Use and Outdoor Air Pollution Contributions to Personal PM <sub>2.5</sub> Exposures. <i>Environmental Science &amp; Technology</i> , 2021, 55, 15969-15979.	4.6	11
23	Characterization of aerosol chemical composition and the reconstruction of light extinction coefficients during winter in Wuhan, China. <i>Chemosphere</i> , 2020, 241, 125033.	4.2	29
24	Oxidative potential of ambient PM <sub>2.5</sub> in Wuhan and its comparisons with eight areas of China. <i>Science of the Total Environment</i> , 2020, 701, 134844.	3.9	40
25	PM <sub>2.5</sub> in Abuja, Nigeria: Chemical characterization, source apportionment, temporal variations, transport pathways and the health risks assessment. <i>Atmospheric Research</i> , 2020, 237, 104833.	1.8	34
26	Using low-cost sensors to monitor indoor, outdoor, and personal ozone concentrations in Beijing, China. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 131-143.	1.7	19
27	Impacts of stove/fuel use and outdoor air pollution on chemical composition of household particulate matter. <i>Indoor Air</i> , 2020, 30, 294-305.	2.0	16
28	The impact of household air cleaners on the oxidative potential of PM <sub>2.5</sub> and the role of metals and sources associated with indoor and outdoor exposure. <i>Environmental Research</i> , 2020, 181, 108919.	3.7	39
29	Occurrence of estrogens, androgens and progestogens and estrogenic activity in surface water runoff from beef and dairy manure amended crop fields. <i>Science of the Total Environment</i> , 2020, 710, 136247.	3.9	28
30	Source apportionment of fine particulate matter in a Middle Eastern Metropolis, Tehran-Iran, using PMF with organic and inorganic markers. <i>Science of the Total Environment</i> , 2020, 705, 135330.	3.9	30
31	Satellite Observations of PM <sub>2.5</sub> Changes and Driving Factors Based Forecasting Over China 2000–2025. <i>Remote Sensing</i> , 2020, 12, 2518.	1.8	9
32	Investigating Cumulative Exposures among 3- to 4-Year-Old Children Using Wearable Ultrafine Particle Sensors and Language Environment Devices: A Pilot and Feasibility Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5259.	1.2	6
33	Children's microenvironmental exposure to PM <sub>2.5</sub> and ozone and the impact of indoor air filtration. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020, 30, 971-980.	1.8	19
34	Malondialdehyde in Nasal Fluid: A Biomarker for Monitoring Asthma Control in Relation to Air Pollution Exposure. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11405-11413.	4.6	24
35	Source Apportionment of Coarse Particulate Matter (PM <sub>10</sub> ) in Yangon, Myanmar. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4145.	1.2	11
36	Associations of personal exposure to air pollutants with airway mechanics in children with asthma. <i>Environment International</i> , 2020, 138, 105647.	4.8	30

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37	Impacts of Sources on PM <sub>2.5</sub> Oxidation Potential during and after the Asia-Pacific Economic Cooperation Conference in Huairou, Beijing. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2585-2594.	4.6	6
38	Association Between Bedroom Particulate Matter Filtration and Changes in Airway Pathophysiology in Children With Asthma. <i>JAMA Pediatrics</i> , 2020, 174, 533.	3.3	54
39	Computational Chemistry-Based Evaluation of Metal Salts and Metal Oxides for Application in Mercury-Capture Technologies. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 9015-9022.	1.8	4
40	Changes in ozone photochemical regime in Fresno, California from 1994 to 2018 deduced from changes in the weekend effect. <i>Environmental Pollution</i> , 2020, 263, 114380.	3.7	34
41	Chemical Characterization and Seasonality of Ambient Particles (PM <sub>2.5</sub> ) in the City Centre of Addis Ababa. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6998.	1.2	16
42	Using Low-cost sensors to Quantify the Effects of Air Filtration on Indoor and Personal Exposure Relevant PM <sub>2.5</sub> Concentrations in Beijing, China. <i>Aerosol and Air Quality Research</i> , 2020, 20, 297-313.	0.9	45
43	Chemical composition and source apportionment of ambient, household, and personal exposures to PM <sub>2.5</sub> in communities using biomass stoves in rural China. <i>Science of the Total Environment</i> , 2019, 646, 309-319.	3.9	55
44	Exposure-Response Associations of Household Air Pollution and Buccal Cell Telomere Length in Women Using Biomass Stoves. <i>Environmental Health Perspectives</i> , 2019, 127, 87004.	2.8	15
45	The impact of household air cleaners on the chemical composition and children's exposure to PM <sub>2.5</sub> metal sources in suburban Shanghai. <i>Environmental Pollution</i> , 2019, 253, 190-198.	3.7	34
46	Longitudinal evaluation of a household energy package on blood pressure, central hemodynamics, and arterial stiffness in China. <i>Environmental Research</i> , 2019, 177, 108592.	3.7	17
47	Source Apportionment of Fine-Particle, Water-Soluble Organic Nitrogen and Its Association with the Inflammatory Potential of Lung Epithelial Cells. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9845-9854.	4.6	36
48	A global perspective on national climate mitigation priorities in the context of air pollution and sustainable development. <i>City and Environment Interactions</i> , 2019, 1, 100003.	1.8	22
49	The Oxidative Potential of Personal and Household PM <sub>2.5</sub> in a Rural Setting in Southwestern China. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2788-2798.	4.6	38
50	Comparison of PM <sub>2.5</sub> emission rates and source profiles for traditional Chinese cooking styles. <i>Environmental Science and Pollution Research</i> , 2019, 26, 21239-21252.	2.7	21
51	Sources of volatile organic compounds in suburban homes in Shanghai, China, and the impact of air filtration on compound concentrations. <i>Chemosphere</i> , 2019, 231, 256-268.	4.2	41
52	Effectiveness of a Household Energy Package in Improving Indoor Air Quality and Reducing Personal Exposures in Rural China. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9306-9316.	4.6	30
53	Differences in chemical composition of PM <sub>2.5</sub> emissions from traditional versus advanced combustion (semi-gasifier) solid fuel stoves. <i>Chemosphere</i> , 2019, 233, 852-861.	4.2	24
54	Chemical composition and health risk indices associated with size-resolved particulate matter in Pearl River Delta (PRD) region, China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12435-12445.	2.7	17

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55	Assessment of forest fire impacts on carbonaceous aerosols using complementary molecular marker receptor models at two urban locations in California's San Joaquin Valley. <i>Environmental Pollution</i> , 2019, 246, 274-283.	3.7	19
56	Chemical Characteristics of Size-Resolved Aerosols in Coastal Areas during KORUS-AQ Campaign; Comparison of Ion Neutralization Model. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2019, 55, 387-399.	1.3	8
57	Real-world PM extracts differentially enhance Th17 differentiation and activate the aryl hydrocarbon receptor (AHR). <i>Toxicology</i> , 2019, 414, 14-26.	2.0	17
58	Seasonal variations in the oxidative stress and inflammatory potential of PM2.5 in Tehran using an alveolar macrophage model; The role of chemical composition and sources. <i>Environment International</i> , 2019, 123, 417-427.	4.8	64
59	Effects of the emergency control measures in Beijing on air quality improvement. <i>Atmospheric Pollution Research</i> , 2019, 10, 580-586.	1.8	8
60	Chemical characterization and source apportionment of PM2.5 personal exposure of two cohorts living in urban and suburban Beijing. <i>Environmental Pollution</i> , 2019, 246, 225-236.	3.7	35
61	Ambient urban dust particulate matter reduces pathologic T cells in the CNS and severity of EAE. <i>Environmental Research</i> , 2019, 168, 178-192.	3.7	20
62	Impact of emissions from the Ports of Los Angeles and Long Beach on the oxidative potential of ambient PM0.25 measured across the Los Angeles County. <i>Science of the Total Environment</i> , 2019, 651, 638-647.	3.9	24
63	Changes in speciated PM2.5 concentrations in Fresno, California, due to NOx reductions and variations in diurnal emission profiles by day of week. <i>Elementa</i> , 2019, 7, .	1.1	12
64	Source apportionments of PM2.5 organic carbon during the elevated pollution episodes in the Ordos region, Inner Mongolia, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 13159-13172.	2.7	9
65	The role of iron-oxide aerosols and sunlight in the atmospheric reduction of Hg(II) species: A DFT+U study. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 347-356.	10.8	10
66	Exposure to air pollution interacts with obesogenic nutrition to induce tissue-specific response patterns. <i>Environmental Pollution</i> , 2018, 239, 532-543.	3.7	19
67	Source apportionment of PM2.5 organic carbon in the San Joaquin Valley using monthly and daily observations and meteorological clustering. <i>Environmental Pollution</i> , 2018, 237, 366-376.	3.7	21
68	Seasonal trends in the composition and sources of PM2.5 and carbonaceous aerosol in Tehran, Iran. <i>Environmental Pollution</i> , 2018, 239, 69-81.	3.7	52
69	Household air pollution and measures of blood pressure, arterial stiffness and central haemodynamics. <i>Heart</i> , 2018, 104, 1515-1521.	1.2	62
70	Acute changes in a respiratory inflammation marker in guards following Beijing air pollution controls. <i>Science of the Total Environment</i> , 2018, 624, 1539-1549.	3.9	19
71	Impacts of stove use patterns and outdoor air quality on household air pollution and cardiovascular mortality in southwestern China. <i>Environment International</i> , 2018, 117, 116-124.	4.8	48
72	Quantum chemical calculations to determine partitioning coefficients for HgCl2 on iron-oxide aerosols. <i>Science of the Total Environment</i> , 2018, 636, 580-587.	3.9	9

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73	A hybrid source apportionment strategy using positive matrix factorization (PMF) and molecular marker chemical mass balance (MM-CMB) models. <i>Environmental Pollution</i> , 2018, 238, 39-51.	3.7	51
74	The influence of air cleaners on indoor particulate matter components and oxidative potential in residential households in Beijing. <i>Science of the Total Environment</i> , 2018, 626, 507-518.	3.9	46
75	Chemical composition and redox activity of PM <sub>0.25</sub> near Los Angeles International Airport and comparisons to an urban traffic site. <i>Science of the Total Environment</i> , 2018, 610-611, 1336-1346.	3.9	26
76	Changes in oxidative potential of soil and fly ash after reaction with gaseous nitric acid. <i>Atmospheric Environment</i> , 2018, 173, 306-315.	1.9	9
77	BAERLIN2014 "stationary measurements and source apportionment at an urban background station in Berlin, Germany. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8621-8645.	1.9	5
78	Polycyclic aromatic hydrocarbons (PAHs) present in ambient urban dust drive proinflammatory T cell and dendritic cell responses via the aryl hydrocarbon receptor (AHR) in vitro. <i>PLoS ONE</i> , 2018, 13, e0209690.	1.1	40
79	Air Toxics in Relation to Autism Diagnosis, Phenotype, and Severity in a U.S. Family-Based Study. <i>Environmental Health Perspectives</i> , 2018, 126, 037004.	2.8	27
80	Reactive oxygen species (ROS) activity of ambient fine particles (PM <sub>2.5</sub> ) measured in Seoul, Korea. <i>Environment International</i> , 2018, 117, 276-283.	4.8	69
81	Differential effects of diesel exhaust particles on T cell differentiation and autoimmune disease. <i>Particle and Fibre Toxicology</i> , 2018, 15, 35.	2.8	30
82	Impact of biodiesel on regulated and unregulated emissions, and redox and proinflammatory properties of PM emitted from heavy-duty vehicles. <i>Science of the Total Environment</i> , 2017, 584-585, 1230-1238.	3.9	42
83	Large Reductions in Solar Energy Production Due to Dust and Particulate Air Pollution. <i>Environmental Science and Technology Letters</i> , 2017, 4, 339-344.	3.9	159
84	Chemical characterization and oxidative potential of particles emitted from open burning of cereal straws and rice husk under flaming and smoldering conditions. <i>Atmospheric Environment</i> , 2017, 163, 118-127.	1.9	54
85	Source apportionments of ambient fine particulate matter in Israeli, Jordanian, and Palestinian cities. <i>Environmental Pollution</i> , 2017, 225, 1-11.	3.7	27
86	Wood burning pollution in southern Chile: PM <sub>2.5</sub> source apportionment using CMB and molecular markers. <i>Environmental Pollution</i> , 2017, 225, 514-523.	3.7	33
87	Seasonal trends, chemical speciation and source apportionment of fine PM in Tehran. <i>Atmospheric Environment</i> , 2017, 153, 70-82.	1.9	90
88	A user-centered, iterative engineering approach for advanced biomass cookstove design and development. <i>Environmental Research Letters</i> , 2017, 12, 095009.	2.2	32
89	Elements and inorganic ions as source tracers in recent Greenland snow. <i>Atmospheric Environment</i> , 2017, 164, 205-215.	1.9	25
90	Relationship between reactive oxygen species and water-soluble organic compounds: Time-resolved benzene carboxylic acids measurement in the coastal area during the KORUS-AQ campaign. <i>Environmental Pollution</i> , 2017, 231, 1-12.	3.7	30

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91	Quantification of the sources of long-range transport of PM 2.5 pollution in the Ordos region, Inner Mongolia, China. <i>Environmental Pollution</i> , 2017, 229, 1019-1031.	3.7	48
92	Seasonal and spatial differences in source contributions to PM2.5 in Wuhan, China. <i>Science of the Total Environment</i> , 2017, 577, 155-165.	3.9	65
93	Oxidative potential of on-road fine particulate matter (PM 2.5 ) measured on major freeways of Los Angeles, CA, and a 10-year comparison with earlier roadside studies. <i>Atmospheric Environment</i> , 2017, 148, 102-114.	1.9	53
94	A non-destructive optical color space sensing system to quantify elemental and organic carbon in atmospheric particulate matter on Teflon and quartz filters. <i>Atmospheric Environment</i> , 2017, 149, 84-94.	1.9	14
95	Impacts of regional transport on black carbon in Huairou, Beijing, China. <i>Environmental Pollution</i> , 2017, 221, 75-84.	3.7	20
96	Assessing Exposure to Household Air Pollution: A Systematic Review and Pooled Analysis of Carbon Monoxide as a Surrogate Measure of Particulate Matter. <i>Environmental Health Perspectives</i> , 2017, 125, 076002.	2.8	61
97	Oxidative potential of size-fractionated atmospheric aerosol in urban and rural sites across Europe. <i>Faraday Discussions</i> , 2016, 189, 381-405.	1.6	44
98	The relative importance of tailpipe and non-tailpipe emissions on the oxidative potential of ambient particles in Los Angeles, CA. <i>Faraday Discussions</i> , 2016, 189, 361-380.	1.6	38
99	Temporal variations of black carbon during haze and non-haze days in Beijing. <i>Scientific Reports</i> , 2016, 6, 33331.	1.6	38
100	First field-based atmospheric observation of the reduction of reactive mercury driven by sunlight. <i>Atmospheric Environment</i> , 2016, 134, 27-39.	1.9	28
101	Optimization of the Measurement of Particle-Bound Reactive Oxygen Species with 2â€²,7â€²-dichlorofluorescein (DCFH). <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	31
102	Development and field evaluation of an online monitor for near-continuous measurement of iron, manganese, and chromium in coarse airborne particulate matter (PM). <i>Aerosol Science and Technology</i> , 2016, 50, 1306-1319.	1.5	11
103	Sensitivity of source apportionment results to mobile source profiles. <i>Environmental Pollution</i> , 2016, 219, 821-828.	3.7	15
104	Chemical characterization and toxicity of particulate matter emissions from roadside trash combustion in urban India. <i>Atmospheric Environment</i> , 2016, 147, 22-30.	1.9	59
105	The oxidative potential of PM2.5 exposures from indoor and outdoor sources in rural China. <i>Science of the Total Environment</i> , 2016, 571, 1477-1489.	3.9	58
106	Associations between microvascular function and short-term exposure to traffic-related air pollution and particulate matter oxidative potential. <i>Environmental Health</i> , 2016, 15, 81.	1.7	57
107	Seasonal variation in outdoor, indoor, and personal air pollution exposures of women using wood stoves in the Tibetan Plateau: Baseline assessment for an energy intervention study. <i>Environment International</i> , 2016, 94, 449-457.	4.8	108
108	Associations of oxidative stress and inflammatory biomarkers with chemically-characterized air pollutant exposures in an elderly cohort. <i>Environmental Research</i> , 2016, 150, 306-319.	3.7	88

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109	Development and evaluation of a novel monitor for online measurement of iron, manganese, and chromium in ambient particulate matter (PM). <i>Science of the Total Environment</i> , 2016, 565, 123-131.	3.9	17
110	Seasonal and Diurnal Air Pollution from Residential Cooking and Space Heating in the Eastern Tibetan Plateau. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8353-8361.	4.6	65
111	Nrf2-related gene expression and exposure to traffic-related air pollution in elderly subjects with cardiovascular disease: An exploratory panel study. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016, 26, 141-149.	1.8	41
112	ROS-generating/ARE-activating capacity of metals in roadway particulate matter deposited in urban environment. <i>Environmental Research</i> , 2016, 146, 252-262.	3.7	54
113	Heterogeneous Reduction Pathways for Hg(II) Species on Dry Aerosols: A First-Principles Computational Study. <i>Journal of Physical Chemistry A</i> , 2016, 120, 2106-2113.	1.1	10
114	ROS production and gene expression in alveolar macrophages exposed to PM <sub>2.5</sub> from Baghdad, Iraq: Seasonal trends and impact of chemical composition. <i>Science of the Total Environment</i> , 2016, 543, 739-745.	3.9	59
115	Source apportionment of Beijing air pollution during a severe winter haze event and associated pro-inflammatory responses in lung epithelial cells. <i>Atmospheric Environment</i> , 2016, 126, 28-35.	1.9	88
116	Repeated exposures to roadside particulate matter extracts suppresses pulmonary defense mechanisms, resulting in lipid and protein oxidative damage. <i>Environmental Pollution</i> , 2016, 210, 227-237.	3.7	57
117	Nighttime aqueous-phase secondary organic aerosols in Los Angeles and its implication for fine particulate matter composition and oxidative potential. <i>Atmospheric Environment</i> , 2016, 133, 112-122.	1.9	53
118	Quantification of elemental and organic carbon in atmospheric particulate matter using color space sensing—hue, saturation, and value (HSV) coordinates. <i>Science of the Total Environment</i> , 2016, 548-549, 252-259.	3.9	13
119	Fine and ultrafine particulate organic carbon in the Los Angeles basin: Trends in sources and composition. <i>Science of the Total Environment</i> , 2016, 541, 1083-1096.	3.9	59
120	Source apportionment of carbonaceous fine particulate matter (PM <sub>2.5</sub> ) in two contrasting cities across the Indo-Gangetic Plain. <i>Atmospheric Pollution Research</i> , 2015, 6, 398-405.	1.8	77
121	Investigation of black and brown carbon multiple-wavelength-dependent light absorption from biomass and fossil fuel combustion source emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6682-6697.	1.2	150
122	Neither dust nor black carbon causing apparent albedo decline in Greenland's dry snow zone: Implications for MODIS C5 surface reflectance. <i>Geophysical Research Letters</i> , 2015, 42, 9319-9327.	1.5	64
123	Oxidative potential of coarse particulate matter (PM <sub>10-2.5</sub> ) and its relation to water solubility and sources of trace elements and metals in the Los Angeles Basin. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 2110-2121.	1.7	42
124	Impact of regional transport on the anthropogenic and biogenic secondary organic aerosols in the Los Angeles Basin. <i>Atmospheric Environment</i> , 2015, 103, 171-179.	1.9	27
125	Chemical speciation and source apportionment of fine particulate matter in Santiago, Chile, 2013. <i>Science of the Total Environment</i> , 2015, 512-513, 133-142.	3.9	75
126	A new technique for online measurement of total and water-soluble copper (Cu) in coarse particulate matter (PM). <i>Environmental Pollution</i> , 2015, 199, 227-234.	3.7	14



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127	Source apportionment of PM <sub>2.5</sub> carbonaceous aerosol in Baghdad, Iraq. Atmospheric Research, 2015, 156, 80-90.	1.8	36
128	Source apportionment of air pollution exposures of rural Chinese women cooking with biomass fuels. Atmospheric Environment, 2015, 104, 79-87.	1.9	49
129	Design Criteria for Future Fuels and Related Power Systems Addressing the Impacts of Non-CO <sub>2</sub> Pollutants on Human Health and Climate Change. Annual Review of Chemical and Biomolecular Engineering, 2015, 6, 101-120.	3.3	11
130	Single Exposure to near Roadway Particulate Matter Leads to Confined Inflammatory and Defense Responses: Possible Role of Metals. Environmental Science & Technology, 2015, 49, 8777-8785.	4.6	101
131	Is atherosclerotic disease associated with organic components of ambient fine particles?. Science of the Total Environment, 2015, 533, 69-75.	3.9	35
132	Assessing the role of chemical components in cellular responses to atmospheric particle matter (PM) through chemical fractionation of PM extracts. Analytical and Bioanalytical Chemistry, 2015, 407, 5953-5963.	1.9	28
133	Seasonal contribution of mineral dust and other major components to particulate matter at two remote sites in Central Asia. Atmospheric Environment, 2015, 119, 11-20.	1.9	23
134	Impact of primary and secondary organic sources on the oxidative potential of quasi-ultrafine particles (PM <sub>0.25</sub> ) at three contrasting locations in the Los Angeles Basin. Atmospheric Environment, 2015, 120, 286-296.	1.9	54
135	Atmospheric impacts of black carbon emission reductions through the strategic use of biodiesel in California. Science of the Total Environment, 2015, 538, 412-422.	3.9	13
136	Origin of high particle number concentrations reaching the St. Louis, Midwest Supersite. Journal of Environmental Sciences, 2015, 34, 219-231.	3.2	14
137	An <i>In Vitro</i> alveolar macrophage assay for the assessment of inflammatory cytokine expression induced by atmospheric particulate matter. Environmental Toxicology, 2015, 30, 836-851.	2.1	24
138	Seasonal trends in the composition and ROS activity of fine particulate matter in Baghdad, Iraq. Atmospheric Environment, 2015, 100, 102-110.	1.9	29
139	Spatial and Temporal Variation in Fine Particulate Matter Mass and Chemical Composition: The Middle East Consortium for Aerosol Research Study. Scientific World Journal, The, 2014, 2014, 1-16.	0.8	21
140	Highway proximity and black carbon from cookstoves as a risk factor for higher blood pressure in rural China. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13229-13234.	3.3	175
141	Fine Particle Air Pollution and Mortality. Epidemiology, 2014, 25, 379-388.	1.2	101
142	Iron Distribution in Size-Resolved Aerosols Generated by UV-Femtosecond Laser Ablation: Influence of Cell Geometry and Implications for <i>In Situ</i> Isotopic Determination by LA-MC-ICP-MS. Geostandards and Geoanalytical Research, 2014, 38, 293-309.	1.7	29
143	Diurnal and seasonal trends in the apparent density of ambient fine and coarse particles in Los Angeles. Environmental Pollution, 2014, 187, 1-9.	3.7	41
144	Oxidative potential and chemical speciation of size-resolved particulate matter (PM) at near-freeway and urban background sites in the greater Beirut area. Science of the Total Environment, 2014, 470-471, 417-426.	3.9	83

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289	Source Reconciliation of Atmospheric Gas-Phase and Particle-Phase Pollutants during a Severe Photochemical Smog Episode. <i>Environmental Science &amp; Technology</i> , 2002, 36, 3806-3814.	4.6	207
290	Highly Polar Organic Compounds Present in Wood Smoke and in the Ambient Atmosphere. <i>Environmental Science &amp; Technology</i> , 2001, 35, 1912-1919.	4.6	372
291	Measurement of Emissions from Air Pollution Sources. 3. C1 <sup>13</sup> C <sup>13</sup> Organic Compounds from Fireplace Combustion of Wood. <i>Environmental Science &amp; Technology</i> , 2001, 35, 1716-1728.	4.6	1,094
292	Size and Composition Distribution of Fine Particulate Matter Emitted from Motor Vehicles. <i>Environmental Science &amp; Technology</i> , 2000, 34, 1132-1142.	4.6	406
293	Source Apportionment of Wintertime Gas-Phase and Particle-Phase Air Pollutants Using Organic Compounds as Tracers. <i>Environmental Science &amp; Technology</i> , 2000, 34, 1821-1832.	4.6	533
294	Measurement of Emissions from Air Pollution Sources. 1. C1through C29Organic Compounds from Meat Charbroiling. <i>Environmental Science &amp; Technology</i> , 1999, 33, 1566-1577.	4.6	504
295	Size and Composition Distribution of Fine Particulate Matter Emitted from Wood Burning, Meat Charbroiling, and Cigarettes. <i>Environmental Science &amp; Technology</i> , 1999, 33, 3516-3523.	4.6	310
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299	Detailed Chemical Composition and Particle Size Assessment of Diesel Engine Exhaust. , 0, , .		44
300	Sources of Aerosol Acidity at a Suburban Site of Nanjing and Their Associations with Chlorophyll Depletion. <i>ACS Earth and Space Chemistry</i> , 0, , .	1.2	4
301	Determination of Heterocyclic Aromatic Amines (HAAs) in Urban Particulate Standard Reference Material and Wildfire-Influenced Particulate Matter by High-Performance Liquid Chromatography-Tandem Mass Spectrometry (HPLC-MS/MS). <i>Analytical Letters</i> , 0, , 1-14.	1.0	0