

# James J Schauer

## List of Publications by Year in descending order

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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	Source apportionment of airborne particulate matter using organic compounds as tracers. Atmospheric Environment, 1996, 30, 3837-3855.	1.9	1,251
2	Measurement of Emissions from Air Pollution Sources. 3. C1 <sup>14</sup> C <sup>29</sup> Organic Compounds from Fireplace Combustion of Wood. Environmental Science & Technology, 2001, 35, 1716-1728.	4.6	1,094
3	Measurement of Emissions from Air Pollution Sources. 2. C1 through C30 Organic Compounds from Medium Duty Diesel Trucks. Environmental Science & Technology, 1999, 33, 1578-1587.	4.6	1,002
4	Measurement of Emissions from Air Pollution Sources. 5. C1 <sup>14</sup> C <sup>32</sup> Organic Compounds from Gasoline-Powered Motor Vehicles. Environmental Science & Technology, 2002, 36, 1169-1180.	4.6	940
5	Emissions of Metals Associated with Motor Vehicle Roadways. Environmental Science & Technology, 2005, 39, 826-836.	4.6	664
6	Source Apportionment of Wintertime Gas-Phase and Particle-Phase Air Pollutants Using Organic Compounds as Tracers. Environmental Science & Technology, 2000, 34, 1821-1832.	4.6	533
7	Seasonal trends in PM <sub>2.5</sub> source contributions in Beijing, China. Atmospheric Environment, 2005, 39, 3967-3976.	1.9	509
8	Measurement of Emissions from Air Pollution Sources. 1. C1 through C29 Organic Compounds from Meat Charbroiling. Environmental Science & Technology, 1999, 33, 1566-1577.	4.6	504
9	Source Apportionment of PM <sub>2.5</sub> in the Southeastern United States Using Solvent-Extractable Organic Compounds as Tracers. Environmental Science & Technology, 2002, 36, 2361-2371.	4.6	482
10	Atmospheric brown clouds: Hemispherical and regional variations in long-range transport, absorption, and radiative forcing. Journal of Geophysical Research, 2007, 112, .	3.3	421
11	Size and Composition Distribution of Fine Particulate Matter Emitted from Motor Vehicles. Environmental Science & Technology, 2000, 34, 1132-1142.	4.6	406
12	Highly Polar Organic Compounds Present in Wood Smoke and in the Ambient Atmosphere. Environmental Science & Technology, 2001, 35, 1912-1919.	4.6	372
13	Speciation of Gas-Phase and Fine Particle Emissions from Burning of Foliar Fuels. Environmental Science & Technology, 2002, 36, 2281-2295.	4.6	356
14	Measurement of Emissions from Air Pollution Sources. 4. C1 <sup>14</sup> C <sup>27</sup> Organic Compounds from Cooking with Seed Oils. Environmental Science & Technology, 2002, 36, 567-575.	4.6	328
15	Size and Composition Distribution of Fine Particulate Matter Emitted from Wood Burning, Meat Charbroiling, and Cigarettes. Environmental Science & Technology, 1999, 33, 3516-3523.	4.6	310
16	Apportionment of Primary and Secondary Organic Aerosols in Southern California during the 2005 Study of Organic Aerosols in Riverside (SOAR-1). Environmental Science & Technology, 2008, 42, 7655-7662.	4.6	273
17	Characterization of organic aerosols emitted from the combustion of biomass indigenous to South Asia. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	237
18	Source Reconciliation of Atmospheric Gas-Phase and Particle-Phase Pollutants during a Severe Photochemical Smog Episode. Environmental Science & Technology, 2002, 36, 3806-3814.	4.6	207

#	ARTICLE	IF	CITATIONS
19	Gaseous and Particulate Emissions from Prescribed Burning in Georgia. <i>Environmental Science &amp; Technology</i> , 2005, 39, 9049-9056.	4.6	207
20	The Adjuvant Effect of Ambient Particulate Matter Is Closely Reflected by the Particulate Oxidant Potential. <i>Environmental Health Perspectives</i> , 2009, 117, 1116-1123.	2.8	203
21	Spatial and temporal variation of chemical composition and mass closure of ambient coarse particulate matter (PM <sub>10</sub> â€²2.5) in the Los Angeles area. <i>Atmospheric Environment</i> , 2011, 45, 2651-2662.	1.9	202
22	Redox activity of urban quasi-ultrafine particles from primary and secondary sources. <i>Atmospheric Environment</i> , 2009, 43, 6360-6368.	1.9	201
23	Evaluation of elemental carbon as a marker for diesel particulate matter. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2003, 13, 443-453.	1.8	200
24	Diurnal Variations of Individual Organic Compound Constituents of Ultrafine and Accumulation Mode Particulate Matter in the Los Angeles Basin. <i>Environmental Science &amp; Technology</i> , 2004, 38, 1296-1304.	4.6	193
25	Validation of a semi-continuous instrument for elemental carbon and organic carbon using a thermal-optical method. <i>Atmospheric Environment</i> , 2004, 38, 2885-2893.	1.9	189
26	Positive Matrix Factorization (PMF) Analysis of Molecular Marker Measurements to Quantify the Sources of Organic Aerosols. <i>Environmental Science &amp; Technology</i> , 2007, 41, 5763-5769.	4.6	186
27	Highway proximity and black carbon from cookstoves as a risk factor for higher blood pressure in rural China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13229-13234.	3.3	175
28	Airway inflammation and oxidative potential of air pollutant particles in a pediatric asthma panel. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2013, 23, 466-473.	1.8	172
29	Chemical characterization and source apportionment of fine and coarse particulate matter in Lahore, Pakistan. <i>Atmospheric Environment</i> , 2010, 44, 1062-1070.	1.9	171
30	Primary Sources and Secondary Formation of Organic Aerosols in Beijing, China. <i>Environmental Science &amp; Technology</i> , 2012, 46, 9846-9853.	4.6	170
31	Source apportionment of fine particles at urban background and rural sites in the UK atmosphere. <i>Atmospheric Environment</i> , 2010, 44, 841-851.	1.9	166
32	Speciation of ambient fine organic carbon particles and source apportionment of PM <sub>2.5</sub> in Indian cities. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	163
33	Associations of Primary and Secondary Organic Aerosols With Airway and Systemic Inflammation in an Elderly Panel Cohort. <i>Epidemiology</i> , 2010, 21, 892-902.	1.2	160
34	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
35	Global Perspective on the Oxidative Potential of Airborne Particulate Matter: A Synthesis of Research Findings. <i>Environmental Science &amp; Technology</i> , 2014, 48, 7576-7583.	4.6	157
36	Source Apportionment of in Vitro Reactive Oxygen Species Bioassay Activity from Atmospheric Particulate Matter. <i>Environmental Science &amp; Technology</i> , 2008, 42, 7502-7509.	4.6	156

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37	Physicochemical and Toxicological Profiles of Particulate Matter in Los Angeles during the October 2007 Southern California Wildfires. <i>Environmental Science &amp; Technology</i> , 2009, 43, 954-960.	4.6	154
38	Oxidative Potential of Semi-Volatile and Non Volatile Particulate Matter (PM) from Heavy-Duty Vehicles Retrofitted with Emission Control Technologies. <i>Environmental Science &amp; Technology</i> , 2009, 43, 3905-3912.	4.6	151
39	Increased Biomass Burning Due to the Economic Crisis in Greece and Its Adverse Impact on Wintertime Air Quality in Thessaloniki. <i>Environmental Science &amp; Technology</i> , 2013, 47, 13313-13320.	4.6	150
40	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
41	A Macrophage-Based Method for the Assessment of the Reactive Oxygen Species (ROS) Activity of Atmospheric Particulate Matter (PM) and Application to Routine (Daily-24 h) Aerosol Monitoring Studies. <i>Aerosol Science and Technology</i> , 2008, 42, 946-957.	1.5	142
42	Primary and Secondary Contributions to Ambient PM in the Midwestern United States. <i>Environmental Science &amp; Technology</i> , 2008, 42, 3303-3309.	4.6	140
43	The effect of temperature on the gas-particle partitioning of reactive mercury in atmospheric aerosols. <i>Atmospheric Environment</i> , 2007, 41, 8647-8657.	1.9	138
44	Toxic metals in the atmosphere in Lahore, Pakistan. <i>Science of the Total Environment</i> , 2010, 408, 1640-1648.	3.9	136
45	Association of Biomarkers of Systemic Inflammation with Organic Components and Source Tracers in Quasi-Ultrafine Particles. <i>Environmental Health Perspectives</i> , 2010, 118, 756-762.	2.8	133
46	Fine, ultrafine and nanoparticle trace element compositions near a major freeway with a high heavy-duty diesel fraction. <i>Atmospheric Environment</i> , 2007, 41, 5684-5696.	1.9	132
47	Development of Molecular Marker Source Profiles for Emissions from On-Road Gasoline and Diesel Vehicle Fleets. <i>Journal of the Air and Waste Management Association</i> , 2007, 57, 1190-1199.	0.9	120
48	Trends in Secondary Organic Aerosol at a Remote Site in Michigan's Upper Peninsula. <i>Environmental Science &amp; Technology</i> , 2004, 38, 6491-6500.	4.6	119
49	Exposure to Atmospheric Particulate Matter Enhances Th17 Polarization through the Aryl Hydrocarbon Receptor. <i>PLoS ONE</i> , 2013, 8, e82545.	1.1	116
50	Reactive oxygen species activity and chemical speciation of size-fractionated atmospheric particulate matter from Lahore, Pakistan: an important role for transition metals. <i>Journal of Environmental Monitoring</i> , 2010, 12, 704-715.	2.1	115
51	Investigating the chemical nature of humic-like substances (HULIS) in North American atmospheric aerosols by liquid chromatography tandem mass spectrometry. <i>Atmospheric Environment</i> , 2009, 43, 4205-4213.	1.9	112
52	Highly Polar Organic Compounds Present in Meat Smoke. <i>Environmental Science &amp; Technology</i> , 1999, 33, 3313-3316.	4.6	111
53	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
54	Trimethylsilyl Derivatives of Organic Compounds in Source Samples and in Atmospheric Fine Particulate Matter. <i>Environmental Science &amp; Technology</i> , 2002, 36, 4273-4281.	4.6	106

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55	Emission factors of PM species based on freeway measurements and comparison with tunnel and dynamometer studies. <i>Atmospheric Environment</i> , 2008, 42, 3099-3114.	1.9	101
56	Fine Particle Air Pollution and Mortality. <i>Epidemiology</i> , 2014, 25, 379-388.	1.2	101
57	Single Exposure to near Roadway Particulate Matter Leads to Confined Inflammatory and Defense Responses: Possible Role of Metals. <i>Environmental Science &amp; Technology</i> , 2015, 49, 8777-8785.	4.6	101
58	Sensitivity of molecular marker-based CMB models to biomass burning source profiles. <i>Atmospheric Environment</i> , 2007, 41, 9050-9063.	1.9	99
59	Macrophage reactive oxygen species activity of water-soluble and water-insoluble fractions of ambient coarse, PM2.5 and ultrafine particulate matter (PM) in Los Angeles. <i>Atmospheric Environment</i> , 2013, 77, 301-310.	1.9	99
60	Characterization of emissions from South Asian biofuels and application to source apportionment of carbonaceous aerosol in the Himalayas. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	98
61	Source apportionment of primary and secondary organic aerosols using positive matrix factorization (PMF) of molecular markers. <i>Atmospheric Environment</i> , 2009, 43, 5567-5574.	1.9	97
62	Source apportionments of PM2.5 organic carbon using molecular marker Positive Matrix Factorization and comparison of results from different receptor models. <i>Atmospheric Environment</i> , 2013, 73, 51-61.	1.9	95
63	Aerosol chemical, physical, and radiative characteristics near a desert source region of northwest China during ACE-Asia. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	92
64	Source Apportionment of Daily Fine Particulate Matter at Jefferson Street, Atlanta, GA, during Summer and Winter. <i>Journal of the Air and Waste Management Association</i> , 2007, 57, 228-242.	0.9	91
65	Characterization, sources and redox activity of fine and coarse particulate matter in Milan, Italy. <i>Atmospheric Environment</i> , 2012, 49, 130-141.	1.9	91
66	Roadside measurements of size-segregated particulate organic compounds near gasoline and diesel-dominated freeways in Los Angeles, CA. <i>Atmospheric Environment</i> , 2007, 41, 4653-4671.	1.9	90
67	Seasonal trends, chemical speciation and source apportionment of fine PM in Tehran. <i>Atmospheric Environment</i> , 2017, 153, 70-82.	1.9	90
68	Characterization of the seasonal cycle of south Asian aerosols: A regional-scale modeling analysis. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	89
69	The Impact of Aerosol Composition on the Particle to Gas Partitioning of Reactive Mercury. <i>Environmental Science &amp; Technology</i> , 2007, 41, 3934-3939.	4.6	89
70	Contribution of transition metals in the reactive oxygen species activity of PM emissions from retrofitted heavy-duty vehicles. <i>Atmospheric Environment</i> , 2010, 44, 5165-5173.	1.9	88
71	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
72	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

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73	Chemical, Microphysical and Optical Properties of Primary Particles from the Combustion of Biomass Fuels. <i>Environmental Science &amp; Technology</i> , 2008, 42, 8829-8834.	4.6	86
74	Seasonal and spatial variation in dithiothreitol (DTT) activity of quasi-ultrafine particles in the Los Angeles Basin and its association with chemical species. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 441-451.	0.9	85
75	Comparison of atmospheric mercury speciation and deposition at nine sites across central and eastern North America. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	84
76	Oxidative potential and chemical speciation of size-resolved particulate matter (PM) at near-freeway and urban background sites in the greater Beirut area. <i>Science of the Total Environment</i> , 2014, 470-471, 417-426.	3.9	83
77	Seasonal and spatial variations of sources of fine and quasi-ultrafine particulate matter in neighborhoods near the Los Angelesâ€™ Long Beach harbor. <i>Atmospheric Environment</i> , 2008, 42, 7317-7328.	1.9	82
78	A Comparison of Summertime Secondary Organic Aerosol Source Contributions at Contrasting Urban Locations. <i>Environmental Science &amp; Technology</i> , 2009, 43, 3448-3454.	4.6	78
79	Source apportionment of carbonaceous fine particulate matter (PM <sub>2.5</sub> ) in two contrasting cities across the Indoâ€™ Gangetic Plain. <i>Atmospheric Pollution Research</i> , 2015, 6, 398-405.	1.8	77
80	Chemical Characterization of Fine and Coarse Particles in Gosan, Korea during Springtime Dust Events. <i>Aerosol and Air Quality Research</i> , 2011, 11, 31-43.	0.9	77
81	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
82	The Distribution of Particle-Phase Organic Compounds in the Atmosphere and Their Use for Source Apportionment during the Southern California Childrenâ€™s Health Study. <i>Journal of the Air and Waste Management Association</i> , 2003, 53, 1065-1079.	0.9	70
83	Source Apportionment of Fine (PM <sub>1.8</sub> ) and Ultrafine (PM <sub>0.1</sub> ) Airborne Particulate Matter during a Severe Winter Pollution Episode. <i>Environmental Science &amp; Technology</i> , 2009, 43, 272-279.	4.6	69
84	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
85	Concentrations and source insights for trace elements in fine and coarse particulate matter. <i>Atmospheric Environment</i> , 2014, 89, 373-381.	1.9	68
86	Spatial distribution of carbonaceous aerosol in the southeastern United States using molecular markers and carbon isotope data. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	65
87	Estimation of the Monthly Average Ratios of Organic Mass to Organic Carbon for Fine Particulate Matter at an Urban Site. <i>Aerosol Science and Technology</i> , 2006, 40, 1123-1139.	1.5	65
88	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
89	Seasonal and spatial differences in source contributions to PM <sub>2.5</sub> in Wuhan, China. <i>Science of the Total Environment</i> , 2017, 577, 155-165.	3.9	65
90	An Inter-Comparison of Two Black Carbon Aerosol Instruments and a Semi-Continuous Elemental Carbon Instrument in the Urban Environment. <i>Aerosol Science and Technology</i> , 2007, 41, 463-474.	1.5	64

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91	Insights into the Origin of Water Soluble Organic Carbon in Atmospheric Fine Particulate Matter. <i>Aerosol Science and Technology</i> , 2009, 43, 1099-1107.	1.5	64
92	Dry deposition of gaseous elemental mercury to plants and soils using mercury stable isotopes in a controlled environment. <i>Atmospheric Environment</i> , 2011, 45, 848-855.	1.9	64
93	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
94	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
95	Source apportionment and organic compound characterization of ambient ultrafine particulate matter (PM) in the Los Angeles Basin. <i>Atmospheric Environment</i> , 2013, 79, 529-539.	1.9	63
96	Size-Segregated Inorganic and Organic Components of PM in the Communities of the Los Angeles Harbor. <i>Aerosol Science and Technology</i> , 2009, 43, 145-160.	1.5	62
97	Chemical characterization and source apportionment of indoor and outdoor fine particulate matter (PM2.5) in retirement communities of the Los Angeles Basin. <i>Science of the Total Environment</i> , 2014, 490, 528-537.	3.9	62
98	Household air pollution and measures of blood pressure, arterial stiffness and central haemodynamics. <i>Heart</i> , 2018, 104, 1515-1521.	1.2	62
99	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
100	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
101	ROS production and gene expression in alveolar macrophages exposed to PM2.5 from Baghdad, Iraq: Seasonal trends and impact of chemical composition. <i>Science of the Total Environment</i> , 2016, 543, 739-745.	3.9	59
102	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
103	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
104	Composition and sources of carbonaceous aerosols at three contrasting sites in Hong Kong. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	57
105	Insights into the nature of secondary organic aerosol in Mexico City during the MILAGRO experiment 2006. <i>Atmospheric Environment</i> , 2010, 44, 312-319.	1.9	57
106	Diurnal Trends in Oxidative Potential of Coarse Particulate Matter in the Los Angeles Basin and Their Relation to Sources and Chemical Composition. <i>Environmental Science &amp; Technology</i> , 2012, 46, 3779-3787.	4.6	57
107	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
108	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



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109	Comparison of Strategies for the Measurement of Mass Emissions from Diesel Engines Emitting Ultra-Low Levels of Particulate Matter. <i>Aerosol Science and Technology</i> , 2009, 43, 1142-1152.	1.5	55
110	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
111	Understanding the origin of black carbon in the atmospheric brown cloud over the Indian Ocean. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	54
112	Risk assessment of total and bioavailable potentially toxic elements (PTEs) in urban soils of Baghdadâ€Iraq. <i>Science of the Total Environment</i> , 2014, 494-495, 39-48.	3.9	54
113	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. <i>Atmospheric Environment</i> , 2015, 120, 286-296.	1.9	54
114	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
115	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
116	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
117	Summer and Winter Nonmethane Hydrocarbon Emissions from On-Road Motor Vehicles in the Midwestern United States. <i>Journal of the Air and Waste Management Association</i> , 2005, 55, 629-646.	0.9	53
118	Seasonal and Spatial Coarse Particle Elemental Concentrations in the Los Angeles Area. <i>Aerosol Science and Technology</i> , 2011, 45, 949-963.	1.5	53
119	Seasonal and spatial variability in chemical composition and mass closure of ambient ultrafine particles in the megacity of Los Angeles. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 283-295.	1.7	53
120	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
121	Oxidative potential of on-road fine particulate matter (PM <sub>2.5</sub> ) 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
122	Seasonal trends in the composition and sources of PM <sub>2.5</sub> and carbonaceous aerosol in Tehran, Iran. <i>Environmental Pollution</i> , 2018, 239, 69-81.	3.7	52
123	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
124	Analysis of C <sub>1</sub> , C <sub>2</sub> , and C <sub>10</sub> through C <sub>33</sub> particle-phase and semi-volatile organic compound emissions from heavy-duty diesel engines. <i>Atmospheric Environment</i> , 2010, 44, 1108-1115.	1.9	50
125	Characterization of organic, metal and trace element PM <sub>2.5</sub> species and derivation of freeway-based emission rates in Los Angeles, CA. <i>Science of the Total Environment</i> , 2012, 435-436, 159-166.	3.9	49
126	Source apportionment of air pollution exposures of rural Chinese women cooking with biomass fuels. <i>Atmospheric Environment</i> , 2015, 104, 79-87.	1.9	49



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127	A comparison of the UCD/CIT air quality model and the CMB source-receptor model for primary airborne particulate matter. <i>Atmospheric Environment</i> , 2005, 39, 2281-2297.	1.9	48
128	Effects of a Platinum-Cerium Bimetallic Fuel Additive on the Chemical Composition of Diesel Engine Exhaust Particles. <i>Energy &amp; Fuels</i> , 2009, 23, 4974-4980.	2.5	48
129	Improved methods for elemental analysis of atmospheric aerosols for evaluating human health impacts of aerosols in East Asia. <i>Atmospheric Environment</i> , 2014, 97, 552-555.	1.9	48
130	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
131	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
132	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
133	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
134	PM <sub>2.5</sub> characterization for time series studies: Pointwise uncertainty estimation and bulk speciation methods applied in Denver. <i>Atmospheric Environment</i> , 2009, 43, 1136-1146.	1.9	45
135	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
136	Characterization of metals emitted from motor vehicles. Research Report (health Effects Institute), 2006, , 1-76; discussion 77-88.	1.6	45
137	Detailed Chemical Composition and Particle Size Assessment of Diesel Engine Exhaust. , 0, , .		44
138	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
139	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
140	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
141	Sensitivity of Source Apportionment of Urban Particulate Matter to Uncertainty in Motor Vehicle Emissions Profiles. <i>Journal of the Air and Waste Management Association</i> , 2007, 57, 1200-1213.	0.9	41
142	Seasonal and spatial variation in reactive oxygen species activity of quasi-ultrafine particles (PM <sub>0.25</sub> ) in the Los Angeles metropolitan area and its association with chemical composition. <i>Atmospheric Environment</i> , 2013, 79, 566-575.	1.9	41
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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