James J Schauer

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Source apportionment of airborne particulate matter using organic compounds as tracers. Atmospheric Environment, 1996, 30, 3837-3855.	4.1	1,251
2	Measurement of Emissions from Air Pollution Sources. 3. C1â^C29Organic Compounds from Fireplace Combustion of Wood. Environmental Science & amp; Technology, 2001, 35, 1716-1728.	10.0	1,094
3	Measurement of Emissions from Air Pollution Sources. 2. C1through C30Organic Compounds from Medium Duty Diesel Trucks. Environmental Science & Technology, 1999, 33, 1578-1587.	10.0	1,002
4	Measurement of Emissions from Air Pollution Sources. 5. C1â^C32 Organic Compounds from Gasoline-Powered Motor Vehicles. Environmental Science & Technology, 2002, 36, 1169-1180.	10.0	940
5	Emissions of Metals Associated with Motor Vehicle Roadways. Environmental Science & Technology, 2005, 39, 826-836.	10.0	664
6	Source Apportionment of Wintertime Gas-Phase and Particle-Phase Air Pollutants Using Organic Compounds as Tracers. Environmental Science & amp; Technology, 2000, 34, 1821-1832.	10.0	533
7	Seasonal trends in PM2.5 source contributions in Beijing, China. Atmospheric Environment, 2005, 39, 3967-3976.	4.1	509
8	Measurement of Emissions from Air Pollution Sources. 1. C1through C29Organic Compounds from Meat Charbroiling. Environmental Science & amp; Technology, 1999, 33, 1566-1577.	10.0	504
9	Source Apportionment of PM2.5 in the Southeastern United States Using Solvent-Extractable Organic Compounds as Tracers. Environmental Science & amp; Technology, 2002, 36, 2361-2371.	10.0	482
10	Atmospheric brown clouds: Hemispherical and regional variations in longâ€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.	10.0	406
12	Highly Polar Organic Compounds Present in Wood Smoke and in the Ambient Atmosphere. Environmental Science & Technology, 2001, 35, 1912-1919.	10.0	372
13	Speciation of Gas-Phase and Fine Particle Emissions from Burning of Foliar Fuels. Environmental Science & Technology, 2002, 36, 2281-2295.	10.0	356
14	Measurement of Emissions from Air Pollution Sources. 4. C1â^C27Organic Compounds from Cooking with Seed Oils. Environmental Science & amp; Technology, 2002, 36, 567-575.	10.0	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.	10.0	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.	10.0	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.	10.0	207

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19	Gaseous and Particulate Emissions from Prescribed Burning in Georgia. Environmental Science & Technology, 2005, 39, 9049-9056.	10.0	207
20	The Adjuvant Effect of Ambient Particulate Matter Is Closely Reflected by the Particulate Oxidant Potential. Environmental Health Perspectives, 2009, 117, 1116-1123.	6.0	203
21	Spatial and temporal variation of chemical composition and mass closure of ambient coarse particulate matter (PM10–2.5) in the Los Angeles area. Atmospheric Environment, 2011, 45, 2651-2662.	4.1	202
22	Redox activity of urban quasi-ultrafine particles from primary and secondary sources. Atmospheric Environment, 2009, 43, 6360-6368.	4.1	201
23	Evaluation of elemental carbon as a marker for diesel particulate matter. Journal of Exposure Science and Environmental Epidemiology, 2003, 13, 443-453.	3.9	200
24	Diurnal Variations of Individual Organic Compound Constituents of Ultrafine and Accumulation Mode Particulate Matter in the Los Angeles Basin. Environmental Science & Technology, 2004, 38, 1296-1304.	10.0	193
25	Validation of a semi-continuous instrument for elemental carbon and organic carbon using a thermal-optical method. Atmospheric Environment, 2004, 38, 2885-2893.	4.1	189
26	Positive Matrix Factorization (PMF) Analysis of Molecular Marker Measurements to Quantify the Sources of Organic Aerosols. Environmental Science & amp; Technology, 2007, 41, 5763-5769.	10.0	186
27	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.	7.1	175
28	Airway inflammation and oxidative potential of air pollutant particles in a pediatric asthma panel. Journal of Exposure Science and Environmental Epidemiology, 2013, 23, 466-473.	3.9	172
29	Chemical characterization and source apportionment of fine and coarse particulate matter in Lahore, Pakistan. Atmospheric Environment, 2010, 44, 1062-1070.	4.1	171
30	Primary Sources and Secondary Formation of Organic Aerosols in Beijing, China. Environmental Science & Technology, 2012, 46, 9846-9853.	10.0	170
31	Source apportionment of fine particles at urban background and rural sites in the UK atmosphere. Atmospheric Environment, 2010, 44, 841-851.	4.1	166
32	Speciation of ambient fine organic carbon particles and source apportionment of PM _{2.5} in Indian cities. Journal of Geophysical Research, 2007, 112, .	3.3	163
33	Associations of Primary and Secondary Organic Aerosols With Airway and Systemic Inflammation in an Elderly Panel Cohort. Epidemiology, 2010, 21, 892-902.	2.7	160
34	Large Reductions in Solar Energy Production Due to Dust and Particulate Air Pollution. Environmental Science and Technology Letters, 2017, 4, 339-344.	8.7	159
35	Global Perspective on the Oxidative Potential of Airborne Particulate Matter: A Synthesis of Research Findings. Environmental Science & Technology, 2014, 48, 7576-7583.	10.0	157
36	Source Apportionment of in Vitro Reactive Oxygen Species Bioassay Activity from Atmospheric Particulate Matter. Environmental Science & Technology, 2008, 42, 7502-7509.	10.0	156

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37	Physicochemical and Toxicological Profiles of Particulate Matter in Los Angeles during the October 2007 Southern California Wildfires. Environmental Science & Technology, 2009, 43, 954-960.	10.0	154
38	Oxidative Potential of Semi-Volatile and Non Volatile Particulate Matter (PM) from Heavy-Duty Vehicles Retrofitted with Emission Control Technologies. Environmental Science & Technology, 2009, 43, 3905-3912.	10.0	151
39	Increased Biomass Burning Due to the Economic Crisis in Greece and Its Adverse Impact on Wintertime Air Quality in Thessaloniki. Environmental Science & Technology, 2013, 47, 13313-13320.	10.0	150
40	Investigation of black and brown carbon multipleâ€wavelengthâ€dependent light absorption from biomass and fossil fuel combustion source emissions. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6682-6697.	3.3	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. Aerosol Science and Technology, 2008, 42, 946-957.	3.1	142
42	Primary and Secondary Contributions to Ambient PM in the Midwestern United States. Environmental Science & Technology, 2008, 42, 3303-3309.	10.0	140
43	The effect of temperature on the gas–particle partitioning of reactive mercury in atmospheric aerosols. Atmospheric Environment, 2007, 41, 8647-8657.	4.1	138
44	Toxic metals in the atmosphere in Lahore, Pakistan. Science of the Total Environment, 2010, 408, 1640-1648.	8.0	136
45	Association of Biomarkers of Systemic Inflammation with Organic Components and Source Tracers in Quasi-Ultrafine Particles. Environmental Health Perspectives, 2010, 118, 756-762.	6.0	133
46	Fine, ultrafine and nanoparticle trace element compositions near a major freeway with a high heavy-duty diesel fraction. Atmospheric Environment, 2007, 41, 5684-5696.	4.1	132
47	Development of Molecular Marker Source Profiles for Emissions from On-Road Gasoline and Diesel Vehicle Fleets. Journal of the Air and Waste Management Association, 2007, 57, 1190-1199.	1.9	120
48	Trends in Secondary Organic Aerosol at a Remote Site in Michigan's Upper Peninsula. Environmental Science & Technology, 2004, 38, 6491-6500.	10.0	119
49	Exposure to Atmospheric Particulate Matter Enhances Th17 Polarization through the Aryl Hydrocarbon Receptor. PLoS ONE, 2013, 8, e82545.	2.5	116
50	Reactive oxygen species activity and chemical speciation of size-fractionated atmospheric particulate matter from Lahore, Pakistan: an important role for transition metals. Journal of Environmental Monitoring, 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. Atmospheric Environment, 2009, 43, 4205-4213.	4.1	112
52	Highly Polar Organic Compounds Present in Meat Smoke. Environmental Science & Technology, 1999, 33, 3313-3316.	10.0	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. Environment International, 2016, 94, 449-457.	10.0	108
54	Trimethylsilyl Derivatives of Organic Compounds in Source Samples and in Atmospheric Fine Particulate Matter. Environmental Science & Technology, 2002, 36, 4273-4281.	10.0	106

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55	Emission factors of PM species based on freeway measurements and comparison with tunnel and dynamometer studies. Atmospheric Environment, 2008, 42, 3099-3114.	4.1	101
56	Fine Particle Air Pollution and Mortality. Epidemiology, 2014, 25, 379-388.	2.7	101
57	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.	10.0	101
58	Sensitivity of molecular marker-based CMB models to biomass burning source profiles. Atmospheric Environment, 2007, 41, 9050-9063.	4.1	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. Atmospheric Environment, 2013, 77, 301-310.	4.1	99
60	Characterization of emissions from South Asian biofuels and application to source apportionment of carbonaceous aerosol in the Himalayas. Journal of Geophysical Research, 2010, 115, .	3.3	98
61	Source apportionment of primary and secondary organic aerosols using positive matrix factorization (PMF) of molecular markers. Atmospheric Environment, 2009, 43, 5567-5574.	4.1	97
62	Source apportionments of PM2.5 organic carbon using molecular marker Positive Matrix Factorization and comparison of results from different receptor models. Atmospheric Environment, 2013, 73, 51-61.	4.1	95
63	Aerosol chemical, physical, and radiative characteristics near a desert source region of northwest China during ACE-Asia. Journal of Geophysical Research, 2004, 109, .	3.3	92
64	Source Apportionment of Daily Fine Particulate Matter at Jefferson Street, Atlanta, GA, during Summer and Winter. Journal of the Air and Waste Management Association, 2007, 57, 228-242.	1.9	91
65	Characterization, sources and redox activity of fine and coarse particulate matter in Milan, Italy. Atmospheric Environment, 2012, 49, 130-141.	4.1	91
66	Roadside measurements of size-segregated particulate organic compounds near gasoline and diesel-dominated freeways in Los Angeles, CA. Atmospheric Environment, 2007, 41, 4653-4671.	4.1	90
67	Seasonal trends, chemical speciation and source apportionment of fine PM in Tehran. Atmospheric Environment, 2017, 153, 70-82.	4.1	90
68	Characterization of the seasonal cycle of south Asian aerosols: A regionalâ€scale modeling analysis. Journal of Geophysical Research, 2007, 112, .	3.3	89
69	The Impact of Aerosol Composition on the Particle to Gas Partitioning of Reactive Mercury. Environmental Science & Technology, 2007, 41, 3934-3939.	10.0	89
70	Contribution of transition metals in the reactive oxygen species activity of PM emissions from retrofitted heavy-duty vehicles. Atmospheric Environment, 2010, 44, 5165-5173.	4.1	88
71	Associations of oxidative stress and inflammatory biomarkers with chemically-characterized air pollutant exposures in an elderly cohort. Environmental Research, 2016, 150, 306-319.	7.5	88
72	Source apportionment of Beijing air pollution during a severe winter haze event and associated pro-inflammatory responses in lung epithelial cells. Atmospheric Environment, 2016, 126, 28-35.	4.1	88

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73	Chemical, Microphysical and Optical Properties of Primary Particles from the Combustion of Biomass Fuels. Environmental Science & Technology, 2008, 42, 8829-8834.	10.0	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. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 441-451.	1.7	85
75	Comparison of atmospheric mercury speciation and deposition at nine sites across central and eastern North America. Journal of Geophysical Research, 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. Science of the Total Environment, 2014, 470-471, 417-426.	8.0	83
77	Seasonal and spatial variations of sources of fine and quasi-ultrafine particulate matter in neighborhoods near the Los Angeles–Long Beach harbor. Atmospheric Environment, 2008, 42, 7317-7328.	4.1	82
78	A Comparison of Summertime Secondary Organic Aerosol Source Contributions at Contrasting Urban Locations. Environmental Science & Technology, 2009, 43, 3448-3454.	10.0	78
79	Source apportionment of carbonaceous fine particulate matter (PM 2.5) in two contrasting cities across the Indo–Gangetic Plain. Atmospheric Pollution Research, 2015, 6, 398-405.	3.8	77
80	Chemical Characterization of Fine and Coarse Particles in Gosan, Korea during Springtime Dust Events. Aerosol and Air Quality Research, 2011, 11, 31-43.	2.1	77
81	Chemical speciation and source apportionment of fine particulate matter in Santiago, Chile, 2013. Science of the Total Environment, 2015, 512-513, 133-142.	8.0	75
82	The Distribution of Particle-Phase Organic Compounds in the Atmosphere and Their Use for Source Apportionment during the Southern California Children's Health Study. Journal of the Air and Waste Management Association, 2003, 53, 1065-1079.	1.9	70
83	Source Apportionment of Fine (PM _{1.8}) and Ultrafine (PM _{0.1}) Airborne Particulate Matter during a Severe Winter Pollution Episode. Environmental Science & Technology, 2009, 43, 272-279.	10.0	69
84	Reactive oxygen species (ROS) activity of ambient fine particles (PM2.5) measured in Seoul, Korea. Environment International, 2018, 117, 276-283.	10.0	69
85	Concentrations and source insights for trace elements in fine and coarse particulate matter. Atmospheric Environment, 2014, 89, 373-381.	4.1	68
86	Spatial distribution of carbonaceous aerosol in the southeastern United States using molecular markers and carbon isotope data. Journal of Geophysical Research, 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. Aerosol Science and Technology, 2006, 40, 1123-1139.	3.1	65
88	Seasonal and Diurnal Air Pollution from Residential Cooking and Space Heating in the Eastern Tibetan Plateau. Environmental Science & Technology, 2016, 50, 8353-8361.	10.0	65
89	Seasonal and spatial differences in source contributions to PM2.5 in Wuhan, China. Science of the Total Environment, 2017, 577, 155-165.	8.0	65
90	An Inter-Comparison of Two Black Carbon Aerosol Instruments and a Semi-Continuous Elemental Carbon Instrument in the Urban Environment. Aerosol Science and Technology, 2007, 41, 463-474.	3.1	64

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91	Insights into the Origin of Water Soluble Organic Carbon in Atmospheric Fine Particulate Matter. Aerosol Science and Technology, 2009, 43, 1099-1107.	3.1	64
92	Dry deposition of gaseous elemental mercury to plants and soils using mercury stable isotopes in a controlled environment. Atmospheric Environment, 2011, 45, 848-855.	4.1	64
93	Neither dust nor black carbon causing apparent albedo decline in Greenland's dry snow zone: Implications for MODIS C5 surface reflectance. Geophysical Research Letters, 2015, 42, 9319-9327.	4.0	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. Environment International, 2019, 123, 417-427.	10.0	64
95	Source apportionment and organic compound characterization of ambient ultrafine particulate matter (PM) in the Los Angeles Basin. Atmospheric Environment, 2013, 79, 529-539.	4.1	63
96	Size-Segregated Inorganic and Organic Components of PM in the Communities of the Los Angeles Harbor. Aerosol Science and Technology, 2009, 43, 145-160.	3.1	62
97	Chemical characterization and source apportionment of indoor and outdoor fine particulate matter (PM2.5) in retirement communities of the Los Angeles Basin. Science of the Total Environment, 2014, 490, 528-537.	8.0	62
98	Household air pollution and measures of blood pressure, arterial stiffness and central haemodynamics. Heart, 2018, 104, 1515-1521.	2.9	62
99	Assessing Exposure to Household Air Pollution: A Systematic Review and Pooled Analysis of Carbon Monoxide as a Surrogate Measure of Particulate Matter. Environmental Health Perspectives, 2017, 125, 076002.	6.0	61
100	Chemical characterization and toxicity of particulate matter emissions from roadside trash combustion in urban India. Atmospheric Environment, 2016, 147, 22-30.	4.1	59
101	ROS production and gene expression in alveolar macrophages exposed to PM2.5 from Baghdad, Iraq: Seasonal trends and impact of chemical composition. Science of the Total Environment, 2016, 543, 739-745.	8.0	59
102	Fine and ultrafine particulate organic carbon in the Los Angeles basin: Trends in sources and composition. Science of the Total Environment, 2016, 541, 1083-1096.	8.0	59
103	The oxidative potential of PM2.5 exposures from indoor and outdoor sources in rural China. Science of the Total Environment, 2016, 571, 1477-1489.	8.0	58
104	Composition and sources of carbonaceous aerosols at three contrasting sites in Hong Kong. Journal of Geophysical Research, 2006, 111, .	3.3	57
105	Insights into the nature of secondary organic aerosol in Mexico City during the MILAGRO experiment 2006. Atmospheric Environment, 2010, 44, 312-319.	4.1	57
106	Diurnal Trends in Oxidative Potential of Coarse Particulate Matter in the Los Angeles Basin and Their Relation to Sources and Chemical Composition. Environmental Science & Technology, 2012, 46, 3779-3787.	10.0	57
107	Associations between microvascular function and short-term exposure to traffic-related air pollution and particulate matter oxidative potential. Environmental Health, 2016, 15, 81.	4.0	57
108	Repeated exposures to roadside particulate matter extracts suppresses pulmonary defense mechanisms, resulting in lipid and protein oxidative damage. Environmental Pollution, 2016, 210, 227-237.	7.5	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. Aerosol Science and Technology, 2009, 43, 1142-1152.	3.1	55
110	Chemical composition and source apportionment of ambient, household, and personal exposures to PM2.5 in communities using biomass stoves in rural China. Science of the Total Environment, 2019, 646, 309-319.	8.0	55
111	Understanding the origin of black carbon in the atmospheric brown cloud over the Indian Ocean. Journal of Geophysical Research, 2007, 112, .	3.3	54
112	Risk assessment of total and bioavailable potentially toxic elements (PTEs) in urban soils of Baghdad–Iraq. Science of the Total Environment, 2014, 494-495, 39-48.	8.0	54
113	Impact of primary and secondary organic sources on the oxidative potential of quasi-ultrafine particles (PM0.25) at three contrasting locations in the Los Angeles Basin. Atmospheric Environment, 2015, 120, 286-296.	4.1	54
114	ROS-generating/ARE-activating capacity of metals in roadway particulate matter deposited in urban environment. Environmental Research, 2016, 146, 252-262.	7.5	54
115	Chemical characterization and oxidative potential of particles emitted from open burning of cereal straws and rice husk under flaming and smoldering conditions. Atmospheric Environment, 2017, 163, 118-127.	4.1	54
116	Association Between Bedroom Particulate Matter Filtration and Changes in Airway Pathophysiology in Children With Asthma. JAMA Pediatrics, 2020, 174, 533.	6.2	54
117	Summer and Winter Nonmethane Hydrocarbon Emissions from On-Road Motor Vehicles in the Midwestern United States. Journal of the Air and Waste Management Association, 2005, 55, 629-646.	1.9	53
118	Seasonal and Spatial Coarse Particle Elemental Concentrations in the Los Angeles Area. Aerosol Science and Technology, 2011, 45, 949-963.	3.1	53
119	Seasonal and spatial variability in chemical composition and mass closure of ambient ultrafine particles in the megacity of Los Angeles. Environmental Sciences: Processes and Impacts, 2013, 15, 283-295.	3.5	53
120	Nighttime aqueous-phase secondary organic aerosols in Los Angeles and its implication for fine particulate matter composition and oxidative potential. Atmospheric Environment, 2016, 133, 112-122.	4.1	53
121	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. Atmospheric Environment, 2017, 148, 102-114.	4.1	53
122	Seasonal trends in the composition and sources of PM2.5 and carbonaceous aerosol in Tehran, Iran. Environmental Pollution, 2018, 239, 69-81.	7.5	52
123	A hybrid source apportionment strategy using positive matrix factorization (PMF) and molecular marker chemical mass balance (MM-CMB) models. Environmental Pollution, 2018, 238, 39-51.	7.5	51
124	Analysis of C1, C2, and C10 through C33 particle-phase and semi-volatile organic compound emissions from heavy-duty diesel engines. Atmospheric Environment, 2010, 44, 1108-1115.	4.1	50
125	Characterization of organic, metal and trace element PM2.5 species and derivation of freeway-based emission rates in Los Angeles, CA. Science of the Total Environment, 2012, 435-436, 159-166.	8.0	49
126	Source apportionment of air pollution exposures of rural Chinese women cooking with biomass fuels. Atmospheric Environment, 2015, 104, 79-87.	4.1	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. Atmospheric Environment, 2005, 39, 2281-2297.	4.1	48
128	Effects of a Platinumâ^'Cerium Bimetallic Fuel Additive on the Chemical Composition of Diesel Engine Exhaust Particles. Energy & Fuels, 2009, 23, 4974-4980.	5.1	48
129	Improved methods for elemental analysis of atmospheric aerosols for evaluating human health impacts of aerosols in East Asia. Atmospheric Environment, 2014, 97, 552-555.	4.1	48
130	Quantification of the sources of long-range transport of PM 2.5 pollution in the Ordos region, Inner Mongolia, China. Environmental Pollution, 2017, 229, 1019-1031.	7.5	48
131	Impacts of stove use patterns and outdoor air quality on household air pollution and cardiovascular mortality in southwestern China. Environment International, 2018, 117, 116-124.	10.0	48
132	Quantitative estimation of meteorological impacts and the COVID-19 lockdown reductions on NO2 and PM2.5 over the Beijing area using Generalized Additive Models (GAM). Journal of Environmental Management, 2021, 291, 112676.	7.8	47
133	The influence of air cleaners on indoor particulate matter components and oxidative potential in residential households in Beijing. Science of the Total Environment, 2018, 626, 507-518.	8.0	46
134	PM2.5 characterization for time series studies: Pointwise uncertainty estimation and bulk speciation methods applied in Denver. Atmospheric Environment, 2009, 43, 1136-1146.	4.1	45
135	Using Low-cost sensors to Quantify the Effects of Air Filtration on Indoor and Personal Exposure Relevant PM2.5 Concentrations in Beijing, China. Aerosol and Air Quality Research, 2020, 20, 297-313.	2.1	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. Faraday Discussions, 2016, 189, 381-405.	3.2	44
139	Oxidative potential of coarse particulate matter (PM _{10–2.5}) and its relation to water solubility and sources of trace elements and metals in the Los Angeles Basin. Environmental Sciences: Processes and Impacts, 2015, 17, 2110-2121.	3.5	42
140	Impact of biodiesel on regulated and unregulated emissions, and redox and proinflammatory properties of PM emitted from heavy-duty vehicles. Science of the Total Environment, 2017, 584-585, 1230-1238.	8.0	42
141	Sensitivity of Source Apportionment of Urban Particulate Matter to Uncertainty in Motor Vehicle Emissions Profiles. Journal of the Air and Waste Management Association, 2007, 57, 1200-1213.	1.9	41
142	Seasonal and spatial variation in reactive oxygen species activity of quasi-ultrafine particles (PM0.25) in the Los Angeles metropolitan area and its association with chemical composition. Atmospheric Environment, 2013, 79, 566-575.	4.1	41
143	Diurnal and seasonal trends in the apparent density of ambient fine and coarse particles in Los Angeles. Environmental Pollution, 2014, 187, 1-9.	7.5	41
144	Nrf2-related gene expression and exposure to traffic-related air pollution in elderly subjects with cardiovascular disease: An exploratory panel study. Journal of Exposure Science and Environmental Epidemiology, 2016, 26, 141-149.	3.9	41

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145	Sources of volatile organic compounds in suburban homes in Shanghai, China, and the impact of air filtration on compound concentrations. Chemosphere, 2019, 231, 256-268.	8.2	41
146	Sensitivity of a molecular marker based positive matrix factorization model to the number of receptor observations. Atmospheric Environment, 2009, 43, 4951-4958.	4.1	40
147	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. PLoS ONE, 2018, 13, e0209690.	2.5	40
148	Oxidative potential of ambient PM2.5 in Wuhan and its comparisons with eight areas of China. Science of the Total Environment, 2020, 701, 134844.	8.0	40
149	Concentrations and sources of carbonaceous aerosol in the atmosphere of Summit, Greenland. Atmospheric Environment, 2009, 43, 4155-4162.	4.1	39
150	Characterization of soluble iron in urban aerosols using nearâ€real time data. Journal of Geophysical Research, 2010, 115, .	3.3	39
151	Sources of excess urban carbonaceous aerosol in the Pearl River Delta Region, China. Atmospheric Environment, 2011, 45, 1175-1182.	4.1	39
152	The impact of household air cleaners on the oxidative potential of PM2.5 and the role of metals and sources associated with indoor and outdoor exposure. Environmental Research, 2020, 181, 108919.	7.5	39
153	Sources of Speciated Atmospheric Mercury at a Residential Neighborhood Impacted by Industrial Sources. Environmental Science & Technology, 2007, 41, 5626-5633.	10.0	38
154	Sources of nickel, vanadium and black carbon in aerosols in Milwaukee. Atmospheric Environment, 2012, 59, 294-301.	4.1	38
155	The relative importance of tailpipe and non-tailpipe emissions on the oxidative potential of ambient particles in Los Angeles, CA. Faraday Discussions, 2016, 189, 361-380.	3.2	38
156	Temporal variations of black carbon during haze and non-haze days in Beijing. Scientific Reports, 2016, 6, 33331.	3.3	38
157	The Oxidative Potential of Personal and Household PM _{2.5} in a Rural Setting in Southwestern China. Environmental Science & Technology, 2019, 53, 2788-2798.	10.0	38
158	Comparison of the Chemical and Oxidative Characteristics of Particulate Matter (PM) Collected by Different Methods: Filters, Impactors, and BioSamplers. Aerosol Science and Technology, 2011, 45, 1294-1304.	3.1	37
159	Source apportionment of PM2.5 carbonaceous aerosol in Baghdad, Iraq. Atmospheric Research, 2015, 156, 80-90.	4.1	36
160	Source Apportionment of Fine-Particle, Water-Soluble Organic Nitrogen and Its Association with the Inflammatory Potential of Lung Epithelial Cells. Environmental Science & Technology, 2019, 53, 9845-9854.	10.0	36
161	Is atherosclerotic disease associated with organic components of ambient fine particles?. Science of the Total Environment, 2015, 533, 69-75.	8.0	35
162	Chemical characterization and source apportionment of PM2.5 personal exposure of two cohorts living in urban and suburban Beijing. Environmental Pollution, 2019, 246, 225-236.	7.5	35

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163	Realâ€ŧime measurements of PM _{2.5} and ozone to assess the effectiveness of residential indoor air filtration in Shanghai homes. Indoor Air, 2021, 31, 74-87.	4.3	35
164	Sources and their contribution to two water-soluble organic carbon fractions at a roadway site. Atmospheric Environment, 2013, 77, 348-357.	4.1	34
165	The impact of household air cleaners on the chemical composition and children's exposure to PM2.5 metal sources in suburban Shanghai. Environmental Pollution, 2019, 253, 190-198.	7.5	34
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