James J Schauer

List of Publications by Year
in descending order

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301 papers	24,479 citations	8755 75 h-index	10158 140 g-index
302 all docs	302 docs citations	302 times ranked	14163 citing authors

#	Article	IF	Citations
1	Oral cavity response to air pollutant exposure and association with pulmonary inflammation and symptoms in asthmatic children. Environmental Research, 2022, 206, 112275.	7.5	10
2	Elemental composition of fine and coarse particles across the greater Los Angeles area: Spatial variation and contributing sources. Environmental Pollution, 2022, 292, 118356.	7.5	21
3	An improved method for sampling and analytical measurement of aerosol platinum in ambient air and workplace environments. Science of the Total Environment, 2022, 814, 152657.	8.0	3
4	An improved understanding of NOx emissions in South Asian megacities using TROPOMI NO₂ retrievals. Environmental Research Letters, 2022, 17, 024006.	5.2	19
5	Household air pollution from solid fuel use as a dose-dependent risk factor for cognitive impairment in northern China. Scientific Reports, 2022, 12, 6187.	3.3	6
6	Realâ€time 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
7	Cytotoxicity and chemical composition of women's personal PM_{2.5} exposures from rural China. Environmental Science Atmospheres, 2021, 1, 359-371.	2.4	2
8	Personal Exposure to PM_{2.5} Oxidative Potential in Association with Pulmonary Pathophysiologic Outcomes in Children with Asthma. Environmental Science & Technology, 2021, 55, 3101-3111.	10.0	33
9	Wood burning pollution in Chile: A tale of two mid-size cities. Atmospheric Pollution Research, 2021, 12, 50-59.	3.8	4
10	Increases in the formation of water soluble organic nitrogen during Asian dust storm episodes. Atmospheric Research, 2021, 253, 105486.	4.1	9
11	Role of endogenous melatonin in pathophysiologic and oxidative stress responses to personal air pollutant exposures in asthmatic children. Science of the Total Environment, 2021, 773, 145709.	8.0	9
12	Source contributions to multiple toxic potentials of atmospheric organic aerosols. Science of the Total Environment, 2021, 773, 145614.	8.0	30
13	Assessment of long-range oriented source and oxidative potential on the South-west shoreline, Korea: Molecular marker receptor models during shipborne measurements. Environmental Pollution, 2021, 281, 116979.	7.5	8
14	Source attribution of air pollution using a generalized additive model and particle trajectory clusters. Science of the Total Environment, 2021, 780, 146458.	8.0	6
15	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
16	Distinguishing Air Pollution Due to Stagnation, Local Emissions, and Long-Range Transport Using a Generalized Additive Model to Analyze Hourly Monitoring Data. ACS Earth and Space Chemistry, 2021, 5, 2329-2340.	2.7	8
17	Reactive oxygen species (ROS) activity of fine particulate matter health impacts in Addis Ababa, Ethiopia. Atmospheric Pollution Research, 2021, 12, 101149.	3.8	3
18	Temporal trends in the spatial-scale contributions to black carbon in a Middle Eastern megacity. Science of the Total Environment, 2021, 792, 148364.	8.0	4

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19	Estimation of commercial cooking emissions in real-world operation: Particulate and gaseous emission factors, activity influencing and modelling. Environmental Pollution, 2021, 289, 117847.	7.5	13
20	Determinants of personal exposure to PM2.5 and black carbon in Chinese adults: A repeated-measures study in villages using solid fuel energy. Environment International, 2021, 146, 106297.	10.0	18
21	Source Apportionment of Fine Organic Particulate Matter (PM2.5) in Central Addis Ababa, Ethiopia. International Journal of Environmental Research and Public Health, 2021, 18, 11608.	2.6	8
22	Chemical Investigation of Household Solid Fuel Use and Outdoor Air Pollution Contributions to Personal PM_{2.5} Exposures. Environmental Science & Technology, 2021, 55, 15969-15979.	10.0	11
23	Characterization of aerosol chemical composition and the reconstruction of light extinction coefficients during winter in Wuhan, China. Chemosphere, 2020, 241, 125033.	8.2	29
24	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
25	PM2.5 in Abuja, Nigeria: Chemical characterization, source apportionment, temporal variations, transport pathways and the health risks assessment. Atmospheric Research, 2020, 237, 104833.	4.1	34
26	Using low-cost sensors to monitor indoor, outdoor, and personal ozone concentrations in Beijing, China. Environmental Sciences: Processes and Impacts, 2020, 22, 131-143.	3.5	19
27	Impacts of stove/fuel use and outdoor air pollution on chemical composition of household particulate matter. Indoor Air, 2020, 30, 294-305.	4.3	16
28	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
29	Occurrence of estrogens, androgens and progestogens and estrogenic activity in surface water runoff from beef and dairy manure amended crop fields. Science of the Total Environment, 2020, 710, 136247.	8.0	28
30	Source apportionment of fine particulate matter in a Middle Eastern Metropolis, Tehran-Iran, using PMF with organic and inorganic markers. Science of the Total Environment, 2020, 705, 135330.	8.0	30
31	Satellite Observations of PM2.5 Changes and Driving Factors Based Forecasting Over China 2000â€“2025. Remote Sensing, 2020, 12, 2518.	4.0	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. International Journal of Environmental Research and Public Health, 2020, 17, 5259.	2.6	6
33	Childrenâ€™s microenvironmental exposure to PM2.5 and ozone and the impact of indoor air filtration. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 971-980.	3.9	19
34	Malondialdehyde in Nasal Fluid: A Biomarker for Monitoring Asthma Control in Relation to Air Pollution Exposure. Environmental Science & Technology, 2020, 54, 11405-11413.	10.0	24
35	Source Apportionment of Coarse Particulate Matter (PM10) in Yangon, Myanmar. International Journal of Environmental Research and Public Health, 2020, 17, 4145.	2.6	11
36	Associations of personal exposure to air pollutants with airway mechanics in children with asthma. Environment International, 2020, 138, 105647.	10.0	30

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37	Impacts of Sources on PM_{2.5} Oxidation Potential during and after the Asia-Pacific Economic Cooperation Conference in Huairou, Beijing. Environmental Science & Technology, 2020, 54, 2585-2594.	10.0	6
38	Association Between Bedroom Particulate Matter Filtration and Changes in Airway Pathophysiology in Children With Asthma. JAMA Pediatrics, 2020, 174, 533.	6.2	54
39	Computational Chemistry-Based Evaluation of Metal Salts and Metal Oxides for Application in Mercury-Capture Technologies. Industrial & Engineering Chemistry Research, 2020, 59, 9015-9022.	3.7	4
40	Changes in ozone photochemical regime in Fresno, California from 1994 to 2018 deduced from changes in the weekend effect. Environmental Pollution, 2020, 263, 114380.	7.5	34
41	Chemical Characterization and Seasonality of Ambient Particles (PM2.5) in the City Centre of Addis Ababa. International Journal of Environmental Research and Public Health, 2020, 17, 6998.	2.6	16
42	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
43	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
44	Exposureâ€“Response Associations of Household Air Pollution and Buccal Cell Telomere Length in Women Using Biomass Stoves. Environmental Health Perspectives, 2019, 127, 87004.	6.0	15
45	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
46	Longitudinal evaluation of a household energy package on blood pressure, central hemodynamics, and arterial stiffness in China. Environmental Research, 2019, 177, 108592.	7.5	17
47	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
48	A global perspective on national climate mitigation priorities in the context of air pollution and sustainable development. City and Environment Interactions, 2019, 1, 100003.	4.2	22
49	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
50	Comparison of PM2.5 emission rates and source profiles for traditional Chinese cooking styles. Environmental Science and Pollution Research, 2019, 26, 21239-21252.	5.3	21
51	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
52	Effectiveness of a Household Energy Package in Improving Indoor Air Quality and Reducing Personal Exposures in Rural China. Environmental Science & Technology, 2019, 53, 9306-9316.	10.0	30
53	Differences in chemical composition of PM2.5 emissions from traditional versus advanced combustion (semi-gasifier) solid fuel stoves. Chemosphere, 2019, 233, 852-861.	8.2	24
54	Chemical composition and health risk indices associated with size-resolved particulate matter in Pearl River Delta (PRD) region, China. Environmental Science and Pollution Research, 2019, 26, 12435-12445.	5.3	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. Environmental Pollution, 2019, 246, 274-283.	7.5	19
56	Chemical Characteristics of Size-Resolved Aerosols in Coastal Areas during KORUS-AQ Campaign; Comparison of Ion Neutralization Model. Asia-Pacific Journal of Atmospheric Sciences, 2019, 55, 387-399.	2.3	8
57	Real-world PM extracts differentially enhance Th17 differentiation and activate the aryl hydrocarbon receptor (AHR). Toxicology, 2019, 414, 14-26.	4.2	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. Environment International, 2019, 123, 417-427.	10.0	64
59	Effects of the emergency control measures in Beijing on air quality improvement. Atmospheric Pollution Research, 2019, 10, 580-586.	3.8	8
60	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
61	Ambient urban dust particulate matter reduces pathologic T cells in the CNS and severity of EAE. Environmental Research, 2019, 168, 178-192.	7.5	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. Science of the Total Environment, 2019, 651, 638-647.	8.0	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. Elementa, 2019, 7, .	3.2	12
64	Source apportionments of PM2.5 organic carbon during the elevated pollution episodes in the Ordos region, Inner Mongolia, China. Environmental Science and Pollution Research, 2018, 25, 13159-13172.	5.3	9
65	The role of iron-oxide aerosols and sunlight in the atmospheric reduction of Hg(II) species: A DFT+U study. Applied Catalysis B: Environmental, 2018, 234, 347-356.	20.2	10
66	Exposure to air pollution interacts with obesogenic nutrition to induce tissue-specific response patterns. Environmental Pollution, 2018, 239, 532-543.	7.5	19
67	Source apportionment of PM2.5 organic carbon in the San Joaquin Valley using monthly and daily observations and meteorological clustering. Environmental Pollution, 2018, 237, 366-376.	7.5	21
68	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
69	Household air pollution and measures of blood pressure, arterial stiffness and central haemodynamics. Heart, 2018, 104, 1515-1521.	2.9	62
70	Acute changes in a respiratory inflammation marker in guards following Beijing air pollution controls. Science of the Total Environment, 2018, 624, 1539-1549.	8.0	19
71	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
72	Quantum chemical calculations to determine partitioning coefficients for HgCl2 on iron-oxide aerosols. Science of the Total Environment, 2018, 636, 580-587.	8.0	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. Environmental Pollution, 2018, 238, 39-51.	7.5	51
74	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
75	Chemical composition and redox activity of PM0.25 near Los Angeles International Airport and comparisons to an urban traffic site. Science of the Total Environment, 2018, 610-611, 1336-1346.	8.0	26
76	Changes in oxidative potential of soil and fly ash after reaction with gaseous nitric acid. Atmospheric Environment, 2018, 173, 306-315.	4.1	9
77	BAERLIN2014 â€“ stationary measurements and source apportionment at an urban background station in Berlin, Germany. Atmospheric Chemistry and Physics, 2018, 18, 8621-8645.	4.9	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. PLoS ONE, 2018, 13, e0209690.	2.5	40
79	Air Toxics in Relation to Autism Diagnosis, Phenotype, and Severity in a U.S. Family-Based Study. Environmental Health Perspectives, 2018, 126, 037004.	6.0	27
80	Reactive oxygen species (ROS) activity of ambient fine particles (PM2.5) measured in Seoul, Korea. Environment International, 2018, 117, 276-283.	10.0	69
81	Differential effects of diesel exhaust particles on T cell differentiation and autoimmune disease. Particle and Fibre Toxicology, 2018, 15, 35.	6.2	30
82	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
83	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
84	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
85	Source apportionments of ambient fine particulate matter in Israeli, Jordanian, and Palestinian cities. Environmental Pollution, 2017, 225, 1-11.	7.5	27
86	Wood burning pollution in southern Chile: PM 2.5 source apportionment using CMB and molecular markers. Environmental Pollution, 2017, 225, 514-523.	7.5	33
87	Seasonal trends, chemical speciation and source apportionment of fine PM in Tehran. Atmospheric Environment, 2017, 153, 70-82.	4.1	90
88	A user-centered, iterative engineering approach for advanced biomass cookstove design and development. Environmental Research Letters, 2017, 12, 095009.	5.2	32
89	Elements and inorganic ions as source tracers in recent Greenland snow. Atmospheric Environment, 2017, 164, 205-215.	4.1	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. Environmental Pollution, 2017, 231, 1-12.	7.5	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. Environmental Pollution, 2017, 229, 1019-1031.	7.5	48
92	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
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. Atmospheric Environment, 2017, 148, 102-114.	4.1	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. Atmospheric Environment, 2017, 149, 84-94.	4.1	14
95	Impacts of regional transport on black carbon in Huairou, Beijing, China. Environmental Pollution, 2017, 221, 75-84.	7.5	20
96	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
97	Oxidative potential of size-fractionated atmospheric aerosol in urban and rural sites across Europe. Faraday Discussions, 2016, 189, 381-405.	3.2	44
98	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
99	Temporal variations of black carbon during haze and non-haze days in Beijing. Scientific Reports, 2016, 6, 33331.	3.3	38
100	First field-based atmospheric observation of the reduction of reactive mercury driven by sunlight. Atmospheric Environment, 2016, 134, 27-39.	4.1	28
101	Optimization of the Measurement of Particle-Bound Reactive Oxygen Species with 2â€²,7â€²-dichlorofluorescin (DCFH). Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	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). Aerosol Science and Technology, 2016, 50, 1306-1319.	3.1	11
103	Sensitivity of source apportionment results to mobile source profiles. Environmental Pollution, 2016, 219, 821-828.	7.5	15
104	Chemical characterization and toxicity of particulate matter emissions from roadside trash combustion in urban India. Atmospheric Environment, 2016, 147, 22-30.	4.1	59
105	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
106	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
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. Environment International, 2016, 94, 449-457.	10.0	108
108	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

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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). Science of the Total Environment, 2016, 565, 123-131.	8.0	17
110	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
111	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
112	ROS-generating/ARE-activating capacity of metals in roadway particulate matter deposited in urban environment. Environmental Research, 2016, 146, 252-262.	7.5	54
113	Heterogeneous Reduction Pathways for Hg(II) Species on Dry Aerosols: A First-Principles Computational Study. Journal of Physical Chemistry A, 2016, 120, 2106-2113.	2.5	10
114	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
115	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
116	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
117	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
118	Quantification of elemental and organic carbon in atmospheric particulate matter using color space sensingâ€"hue, saturation, and value (HSV) coordinates. Science of the Total Environment, 2016, 548-549, 252-259.	8.0	13
119	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
120	Source apportionment of carbonaceous fine particulate matter (PM 2.5) in two contrasting cities across the Indoâ€"Gangetic Plain. Atmospheric Pollution Research, 2015, 6, 398-405.	3.8	77
121	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
122	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
123	Oxidative potential of coarse particulate matter (PM_{10â€"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
124	Impact of regional transport on the anthropogenic and biogenic secondary organic aerosols in the Los Angeles Basin. Atmospheric Environment, 2015, 103, 171-179.	4.1	27
125	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
126	A new technique for online measurement of total and water-soluble copper (Cu) in coarse particulate matter (PM). Environmental Pollution, 2015, 199, 227-234.	7.5	14

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127	Source apportionment of PM2.5 carbonaceous aerosol in Baghdad, Iraq. Atmospheric Research, 2015, 156, 80-90.	4.1	36
128	Source apportionment of air pollution exposures of rural Chinese women cooking with biomass fuels. Atmospheric Environment, 2015, 104, 79-87.	4.1	49
129	Design Criteria for Future Fuels and Related Power Systems Addressing the Impacts of Non-CO₂ Pollutants on Human Health and Climate Change. Annual Review of Chemical and Biomolecular Engineering, 2015, 6, 101-120.	6.8	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.	10.0	101
131	Is atherosclerotic disease associated with organic components of ambient fine particles?. Science of the Total Environment, 2015, 533, 69-75.	8.0	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.	3.7	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.	4.1	23
134	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
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.	8.0	13
136	Origin of high particle number concentrations reaching the St. Louis, Midwest Supersite. Journal of Environmental Sciences, 2015, 34, 219-231.	6.1	14
137	An In Vitro alveolar macrophage assay for the assessment of inflammatory cytokine expression induced by atmospheric particulate matter. Environmental Toxicology, 2015, 30, 836-851.	4.0	24
138	Seasonal trends in the composition and ROS activity of fine particulate matter in Baghdad, Iraq. Atmospheric Environment, 2015, 100, 102-110.	4.1	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.	2.1	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.	7.1	175
141	Fine Particle Air Pollution and Mortality. Epidemiology, 2014, 25, 379-388.	2.7	101
142	Iron Distribution in Sizeâ€Resolved Aerosols Generated by <scp>UV</scp>â€Femtosecond Laser Ablation: Influence of Cell Geometry and Implications for In Situ Isotopic Determination by <scp>LA</scp>â€<scp>MC</scp>â€<scp>ICP</scp>â€<scp>MS</scp>. Geostandards and Geoanalytical Research, 2014, 38, 293-309.	3.1	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.	7.5	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.	8.0	83

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145	Estimation of direct emissions and atmospheric processing of reactive mercury using inverse modeling. Atmospheric Environment, 2014, 85, 73-82.	4.1	17
146	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
147	On-Roadway In-Cabin Exposure to Particulate Matter: Measurement Results Using Both Continuous and Time-Integrated Sampling Approaches. Aerosol Science and Technology, 2014, 48, 664-675.	3.1	17
148	Diagnostic Air Quality Model Evaluation of Source-Specific Primary and Secondary Fine Particulate Carbon. Environmental Science & Technology, 2014, 48, 464-473.	10.0	6
149	Development of a Technology for Online Measurement of Total and Water-Soluble Copper (Cu) in PM_{2.5}. Aerosol Science and Technology, 2014, 48, 864-874.	3.1	11
150	Risk assessment of total and bioavailable potentially toxic elements (PTEs) in urban soils of Baghdadâ€“Iraq. Science of the Total Environment, 2014, 494-495, 39-48.	8.0	54
151	Comparison of heterogeneous photolytic reduction of Hg(II) in the coal fly ashes and synthetic aerosols. Atmospheric Research, 2014, 138, 324-329.	4.1	32
152	Preliminary assessment of the anthropogenic and biogenic contributions to secondary organic aerosols at two industrial cities in the upper Midwest. Atmospheric Environment, 2014, 84, 307-313.	4.1	13
153	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
154	Sources of primary and secondary organic aerosol and their diurnal variations. Journal of Hazardous Materials, 2014, 264, 536-544.	12.4	22
155	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
156	Concentrations and source insights for trace elements in fine and coarse particulate matter. Atmospheric Environment, 2014, 89, 373-381.	4.1	68
157	Understanding the sources and composition of the incremental excess of fine particles across multiple sampling locations in one air shed. Journal of Environmental Sciences, 2014, 26, 818-826.	6.1	10
158	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
159	Sources of metals and bromine-containing particles in Milwaukee. Atmospheric Environment, 2013, 73, 124-130.	4.1	13
160	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
161	Influence of hydrophilic and hydrophobic water-soluble organic carbon fractions on light extinction at an urban site. Journal of the Korean Physical Society, 2013, 63, 2047-2053.	0.7	2
162	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

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164	Chemical characteristics and source apportionment of fine particulate organic carbon in Hong Kong during high particulate matter episodes in winter 2003. Atmospheric Research, 2013, 120-121, 88-98.	4.1	24
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