

James J Schauer

List of Publications by Citations

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

298
papers

20,441
citations

71
h-index

133
g-index

302
ext. papers

22,477
ext. citations

6.9
avg, IF

6.83
L-index

#	Paper	IF	Citations
298	Source apportionment of airborne particulate matter using organic compounds as tracers. <i>Atmospheric Environment</i> , 1996 , 30, 3837-3855	5.3	1145
297	Measurement of emissions from air pollution sources. 3. C1-C29 organic compounds from fireplace combustion of wood. <i>Environmental Science & Technology</i> , 2001 , 35, 1716-28	10.3	954
296	Measurement of Emissions from Air Pollution Sources. 2. C1through C30Organic Compounds from Medium Duty Diesel Trucks. <i>Environmental Science & Technology</i> , 1999 , 33, 1578-1587	10.3	887
295	Measurement of emissions from air pollution sources. 5. C1-C32 organic compounds from gasoline-powered motor vehicles. <i>Environmental Science & Technology</i> , 2002 , 36, 1169-80	10.3	808
294	Emissions of metals associated with motor vehicle roadways. <i>Environmental Science & Technology</i> , 2005 , 39, 826-36	10.3	553
293	Source Apportionment of Wintertime Gas-Phase and Particle-Phase Air Pollutants Using Organic Compounds as Tracers. <i>Environmental Science & Technology</i> , 2000 , 34, 1821-1832	10.3	478
292	Seasonal trends in PM _{2.5} source contributions in Beijing, China. <i>Atmospheric Environment</i> , 2005 , 39, 3967-3976	5.3	460
291	Measurement of Emissions from Air Pollution Sources. 1. C1through C29Organic Compounds from Meat Charbroiling. <i>Environmental Science & Technology</i> , 1999 , 33, 1566-1577	10.3	449
290	Source apportionment of PM _{2.5} in the Southeastern United States using solvent-extractable organic compounds as tracers. <i>Environmental Science & Technology</i> , 2002 , 36, 2361-71	10.3	435
289	Size and Composition Distribution of Fine Particulate Matter Emitted from Motor Vehicles. <i>Environmental Science & Technology</i> , 2000 , 34, 1132-1142	10.3	373
288	Atmospheric brown clouds: Hemispherical and regional variations in long-range transport, absorption, and radiative forcing. <i>Journal of Geophysical Research</i> , 2007 , 112,		349
287	Highly polar organic compounds present in wood smoke and in the ambient atmosphere. <i>Environmental Science & Technology</i> , 2001 , 35, 1912-9	10.3	328
286	Speciation of gas-phase and fine particle emissions from burning of foliar fuels. <i>Environmental Science & Technology</i> , 2002 , 36, 2281-95	10.3	321
285	Measurement of emissions from air pollution sources. 4. C1-C27 organic compounds from cooking with seed oils. <i>Environmental Science & Technology</i> , 2002 , 36, 567-75	10.3	275
284	Size and Composition Distribution of Fine Particulate Matter Emitted from Wood Burning, Meat Charbroiling, and Cigarettes. <i>Environmental Science & Technology</i> , 1999 , 33, 3516-3523	10.3	273
283	Apportionment of primary and secondary organic aerosols in southern California during the 2005 study of organic aerosols in riverside (SOAR-1). <i>Environmental Science & Technology</i> , 2008 , 42, 7655-62	10.3	244
282	Characterization of organic aerosols emitted from the combustion of biomass indigenous to South Asia. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a		204

281	Gaseous and particulate emissions from prescribed burning in Georgia. <i>Environmental Science & Technology</i> , 2005 , 39, 9049-56	10.3	183
280	Source reconciliation of atmospheric gas-phase and particle-phase pollutants during a severe photochemical smog episode. <i>Environmental Science & Technology</i> , 2002 , 36, 3806-14	10.3	183
279	The adjuvant effect of ambient particulate matter is closely reflected by the particulate oxidant potential. <i>Environmental Health Perspectives</i> , 2009 , 117, 1116-23	8.4	179
278	Evaluation of elemental carbon as a marker for diesel particulate matter. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2003 , 13, 443-53	6.7	176
277	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	5.3	174
276	Redox activity of urban quasi-ultrafine particles from primary and secondary sources. <i>Atmospheric Environment</i> , 2009 , 43, 6360-6368	5.3	169
275	Diurnal variations of individual organic compound constituents of ultrafine and accumulation mode particulate matter in the Los Angeles Basin. <i>Environmental Science & Technology</i> , 2004 , 38, 1296-304	10.3	166
274	Positive matrix factorization (PMF) analysis of molecular marker measurements to quantify the sources of organic aerosols. <i>Environmental Science & Technology</i> , 2007 , 41, 5763-9	10.3	160
273	Source apportionment of fine particles at urban background and rural sites in the UK atmosphere. <i>Atmospheric Environment</i> , 2010 , 44, 841-851	5.3	147
272	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, 466-73	6.7	146
271	Spatial and temporal variation of chemical composition and mass closure of ambient coarse particulate matter (PM _{10-2.5}) in the Los Angeles area. <i>Atmospheric Environment</i> , 2011 , 45, 2651-2662	5.3	145
270	Chemical characterization and source apportionment of fine and coarse particulate matter in Lahore, Pakistan. <i>Atmospheric Environment</i> , 2010 , 44, 1062-1070	5.3	141
269	Primary sources and secondary formation of organic aerosols in Beijing, China. <i>Environmental Science & Technology</i> , 2012 , 46, 9846-53	10.3	140
268	Oxidative potential of semi-volatile and non volatile particulate matter (PM) from heavy-duty vehicles retrofitted with emission control technologies. <i>Environmental Science & Technology</i> , 2009 , 43, 3905-12	10.3	140
267	Speciation of ambient fine organic carbon particles and source apportionment of PM _{2.5} in Indian cities. <i>Journal of Geophysical Research</i> , 2007 , 112,		139
266	Associations of primary and secondary organic aerosols with airway and systemic inflammation in an elderly panel cohort. <i>Epidemiology</i> , 2010 , 21, 892-902	3.1	136
265	Source apportionment of in vitro reactive oxygen species bioassay activity from atmospheric particulate matter. <i>Environmental Science & Technology</i> , 2008 , 42, 7502-9	10.3	136
264	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, 13229-34	11.5	135

263	Increased biomass burning due to the economic crisis in Greece and its adverse impact on wintertime air quality in Thessaloniki. <i>Environmental Science & Technology</i> , 2013 , 47, 13313-20	10.3	134
262	Primary and secondary contributions to ambient PM in the midwestern United States. <i>Environmental Science & Technology</i> , 2008 , 42, 3303-9	10.3	129
261	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	3.4	127
260	Physicochemical and toxicological profiles of particulate matter in Los Angeles during the October 2007 southern California wildfires. <i>Environmental Science & Technology</i> , 2009 , 43, 954-60	10.3	124
259	Global perspective on the oxidative potential of airborne particulate matter: a synthesis of research findings. <i>Environmental Science & Technology</i> , 2014 , 48, 7576-83	10.3	119
258	Association of biomarkers of systemic inflammation with organic components and source tracers in quasi-ultrafine particles. <i>Environmental Health Perspectives</i> , 2010 , 118, 756-62	8.4	119
257	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	5.3	115
256	Trends in secondary organic aerosol at a remote site in Michigan's upper peninsula. <i>Environmental Science & Technology</i> , 2004 , 38, 6491-500	10.3	114
255	Toxic metals in the atmosphere in Lahore, Pakistan. <i>Science of the Total Environment</i> , 2010 , 408, 1640-8	10.2	113
254	The effect of temperature on the gas-particle partitioning of reactive mercury in atmospheric aerosols. <i>Atmospheric Environment</i> , 2007 , 41, 8647-8657	5.3	113
253	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	4.4	107
252	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, 1190-9	2.4	107
251	Highly Polar Organic Compounds Present in Meat Smoke. <i>Environmental Science & Technology</i> , 1999 , 33, 3313-3316	10.3	104
250	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, 704-15		102
249	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	5.3	101
248	Trimethylsilyl derivatives of organic compounds in source samples and in atmospheric fine particulate matter. <i>Environmental Science & Technology</i> , 2002 , 36, 4273-81	10.3	95
247	Large Reductions in Solar Energy Production Due to Dust and Particulate Air Pollution. <i>Environmental Science and Technology Letters</i> , 2017 , 4, 339-344	11	94
246	Exposure to atmospheric particulate matter enhances Th17 polarization through the aryl hydrocarbon receptor. <i>PLoS ONE</i> , 2013 , 8, e82545	3.7	94

245	Sensitivity of molecular marker-based CMB models to biomass burning source profiles. <i>Atmospheric Environment</i> , 2007 , 41, 9050-9063	5.3	89
244	Emission factors of PM species based on freeway measurements and comparison with tunnel and dynamometer studies. <i>Atmospheric Environment</i> , 2008 , 42, 3099-3114	5.3	88
243	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,		84
242	Source apportionment of primary and secondary organic aerosols using positive matrix factorization (PMF) of molecular markers. <i>Atmospheric Environment</i> , 2009 , 43, 5567-5574	5.3	84
241	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	5.3	83
240	Source apportionments of PM _{2.5} organic carbon using molecular marker Positive Matrix Factorization and comparison of results from different receptor models. <i>Atmospheric Environment</i> , 2013 , 73, 51-61	5.3	82
239	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,		81
238	Macrophage reactive oxygen species activity of water-soluble and water-insoluble fractions of ambient coarse, PM _{2.5} and ultrafine particulate matter (PM) in Los Angeles. <i>Atmospheric Environment</i> , 2013 , 77, 301-310	5.3	80
237	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, 228-42	2.4	80
236	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	12.9	79
235	The impact of aerosol composition on the particle to gas partitioning of reactive mercury. <i>Environmental Science & Technology</i> , 2007 , 41, 3934-9	10.3	78
234	Single Exposure to near Roadway Particulate Matter Leads to Confined Inflammatory and Defense Responses: Possible Role of Metals. <i>Environmental Science & Technology</i> , 2015 , 49, 8777-85	10.3	77
233	Chemical, microphysical and optical properties of primary particles from the combustion of biomass fuels. <i>Environmental Science & Technology</i> , 2008 , 42, 8829-34	10.3	76
232	Characterization, sources and redox activity of fine and coarse particulate matter in Milan, Italy. <i>Atmospheric Environment</i> , 2012 , 49, 130-141	5.3	75
231	Fine particle air pollution and mortality: importance of specific sources and chemical species. <i>Epidemiology</i> , 2014 , 25, 379-88	3.1	75
230	Characterization of the seasonal cycle of south Asian aerosols: A regional-scale modeling analysis. <i>Journal of Geophysical Research</i> , 2007 , 112,		75
229	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	5.3	74
228	Seasonal trends, chemical speciation and source apportionment of fine PM in Tehran. <i>Atmospheric Environment</i> , 2017 , 153, 70-82	5.3	72

227	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	7.9	71
226	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	5.3	70
225	Seasonal and spatial variations of sources of fine and quasi-ultrafine particulate matter in neighborhoods near the Los Angeles–Long Beach harbor. <i>Atmospheric Environment</i> , 2008 , 42, 7317-7328	5.3	70
224	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, 417-26	10.2	69
223	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, 441-51	2.3	69
222	Comparison of atmospheric mercury speciation and deposition at nine sites across central and eastern North America. <i>Journal of Geophysical Research</i> , 2010 , 115,		69
221	A comparison of summertime secondary organic aerosol source contributions at contrasting urban locations. <i>Environmental Science & Technology</i> , 2009 , 43, 3448-54	10.3	69
220	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	10.2	66
219	Source apportionment of fine (PM _{1.8}) and ultrafine (PM _{0.1}) airborne particulate matter during a severe winter pollution episode. <i>Environmental Science & Technology</i> , 2009 , 43, 272-9	10.3	63
218	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		62
217	The distribution of particle-phase organic compounds in the atmosphere and their use for source apportionment during the Southern California Children's Health Study. <i>Journal of the Air and Waste Management Association</i> , 2003 , 53, 1065-79	2.4	62
216	Source apportionment of carbonaceous fine particulate matter (PM _{2.5}) in two contrasting cities across the Indo-Gangetic Plain. <i>Atmospheric Pollution Research</i> , 2015 , 6, 398-405	4.5	60
215	Insights into the Origin of Water Soluble Organic Carbon in Atmospheric Fine Particulate Matter. <i>Aerosol Science and Technology</i> , 2009 , 43, 1099-1107	3.4	57
214	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	3.4	56
213	Concentrations and source insights for trace elements in fine and coarse particulate matter. <i>Atmospheric Environment</i> , 2014 , 89, 373-381	5.3	55
212	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	3.4	55
211	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	4.9	54
210	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	3.4	54

209	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	5:3	53
208	Repeated exposures to roadside particulate matter extracts suppresses pulmonary defense mechanisms, resulting in lipid and protein oxidative damage. <i>Environmental Pollution</i> , 2016 , 210, 227-379	3	52
207	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	5:3	52
206	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	10.2	51
205	Seasonal and Diurnal Air Pollution from Residential Cooking and Space Heating in the Eastern Tibetan Plateau. <i>Environmental Science & Technology</i> , 2016 , 50, 8353-61	10.3	50
204	ROS production and gene expression in alveolar macrophages exposed to PM(2.5) from Baghdad, Iraq: Seasonal trends and impact of chemical composition. <i>Science of the Total Environment</i> , 2016 , 543, 739-745	10.2	50
203	Seasonal and spatial differences in source contributions to PM in Wuhan, China. <i>Science of the Total Environment</i> , 2016 , 577, 155-155	10.2	50
202	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 & Technology</i> , 2012 , 46, 3779-87	10.3	50
201	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	3:4	50
200	Composition and sources of carbonaceous aerosols at three contrasting sites in Hong Kong. <i>Journal of Geophysical Research</i> , 2006 , 111,		50
199	Seasonal and Spatial Coarse Particle Elemental Concentrations in the Los Angeles Area. <i>Aerosol Science and Technology</i> , 2011 , 45, 949-963	3:4	49
198	Chemical characterization and toxicity of particulate matter emissions from roadside trash combustion in urban India. <i>Atmospheric Environment</i> , 2016 , 147, 22-30	5:3	48
197	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	8.4	47
196	Insights into the nature of secondary organic aerosol in Mexico City during the MILAGRO experiment 2006. <i>Atmospheric Environment</i> , 2010 , 44, 312-319	5:3	47
195	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. <i>Atmospheric Environment</i> , 2015 , 120, 286-296	5:3	46
194	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	6	46
193	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, 283-954	3	46
192	Analysis of C1, C2, and C10 through C33 particle-phase and semi-volatile organic compound emissions from heavy-duty diesel engines. <i>Atmospheric Environment</i> , 2010 , 44, 1108-1115	5:3	46

191	Understanding the origin of black carbon in the atmospheric brown cloud over the Indian Ocean. <i>Journal of Geophysical Research</i> , 2007 , 112,		46
190	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, 629-46	2.4	46
189	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	4.6	46
188	Risk assessment of total and bioavailable potentially toxic elements (PTEs) in urban soils of Baghdad-Iraq. <i>Science of the Total Environment</i> , 2014 , 494-495, 39-48	10.2	45
187	Characterization of organic, metal and trace element PM _{2.5} species and derivation of freeway-based emission rates in Los Angeles, CA. <i>Science of the Total Environment</i> , 2012 , 435-436, 159-66	10.2	45
186	Reactive oxygen species (ROS) activity of ambient fine particles (PM) measured in Seoul, Korea. <i>Environment International</i> , 2018 , 117, 276-283	12.9	45
185	Chemical characterization and source apportionment of indoor and outdoor fine particulate matter (PM _{2.5}) in retirement communities of the Los Angeles Basin. <i>Science of the Total Environment</i> , 2014 , 490, 528-37	10.2	44
184	Characterization of metals emitted from motor vehicles. <i>Research Report (health Effects Institute)</i> , 2006 , 1-76; discussion 77-88	0.9	44
183	Source apportionment of air pollution exposures of rural Chinese women cooking with biomass fuels. <i>Atmospheric Environment</i> , 2015 , 104, 79-87	5.3	43
182	PM _{2.5} Characterization for Time Series Studies: Pointwise Uncertainty Estimation and Bulk Speciation Methods Applied in Denver. <i>Atmospheric Environment</i> , 2009 , 43, 1136-1146	5.3	43
181	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	5.3	43
180	Seasonal variations in the oxidative stress and inflammatory potential of PM in Tehran using an alveolar macrophage model; The role of chemical composition and sources. <i>Environment International</i> , 2019 , 123, 417-427	12.9	43
179	Household air pollution and measures of blood pressure, arterial stiffness and central haemodynamics. <i>Heart</i> , 2018 , 104, 1515-1521	5.1	41
178	ROS-generating/ARE-activating capacity of metals in roadway particulate matter deposited in urban environment. <i>Environmental Research</i> , 2016 , 146, 252-62	7.9	41
177	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	5.3	41
176	Effects of a Platinum-Chromium Bimetallic Fuel Additive on the Chemical Composition of Diesel Engine Exhaust Particles. <i>Energy & Fuels</i> , 2009 , 23, 4974-4980	4.1	41
175	Seasonal trends in the composition and sources of PM and carbonaceous aerosol in Tehran, Iran. <i>Environmental Pollution</i> , 2018 , 239, 69-81	9.3	40
174	The oxidative potential of PM _{2.5} exposures from indoor and outdoor sources in rural China. <i>Science of the Total Environment</i> , 2016 , 571, 1477-89	10.2	40

173	Detailed Chemical Composition and Particle Size Assessment of Diesel Engine Exhaust 2002 ,		40
172	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	5.3	39
171	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	5.3	39
170	Chemical composition and source apportionment of ambient, household, and personal exposures to PM in communities using biomass stoves in rural China. <i>Science of the Total Environment</i> , 2019 , 646, 309-319	10.2	38
169	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, 1200-13	2.4	38
168	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	12.9	37
167	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	5.3	37
166	Sources of excess urban carbonaceous aerosol in the Pearl River Delta Region, China. <i>Atmospheric Environment</i> , 2011 , 45, 1175-1182	5.3	36
165	Diurnal and seasonal trends in the apparent density of ambient fine and coarse particles in Los Angeles. <i>Environmental Pollution</i> , 2014 , 187, 1-9	9.3	35
164	Concentrations and sources of carbonaceous aerosol in the atmosphere of Summit, Greenland. <i>Atmospheric Environment</i> , 2009 , 43, 4155-4162	5.3	35
163	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	10.2	34
162	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, 141-9	6.7	34
161	Seasonal and spatial variation in reactive oxygen species activity of quasi-ultrafine particles (PM _{0.25}) in the Los Angeles metropolitan area and its association with chemical composition. <i>Atmospheric Environment</i> , 2013 , 79, 566-575	5.3	34
160	Characterization of soluble iron in urban aerosols using near-real time data. <i>Journal of Geophysical Research</i> , 2010 , 115,		34
159	Sources of speciated atmospheric mercury at a residential neighborhood impacted by industrial sources. <i>Environmental Science & Technology</i> , 2007 , 41, 5626-33	10.3	34
158	Sources of nickel, vanadium and black carbon in aerosols in Milwaukee. <i>Atmospheric Environment</i> , 2012 , 59, 294-301	5.3	33
157	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	10.2	32
156	Assessing the spatial and temporal variability of fine particulate matter components in Israeli, Jordanian, and Palestinian cities. <i>Atmospheric Environment</i> , 2010 , 44, 2383-2392	5.3	32

155	Comparison of the Chemical and Oxidative Characteristics of Particulate Matter (PM) Collected by Different Methods: Filters, Impactors, and BioSamplers. <i>Aerosol Science and Technology</i> , 2011 , 45, 1294-1304	3.4	32
154	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	9.3	31
153	Quantification of the sources of long-range transport of PM pollution in the Ordos region, Inner Mongolia, China. <i>Environmental Pollution</i> , 2017 , 229, 1019-1031	9.3	31
152	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. <i>Environmental Sciences: Processes and Impacts</i> , 2015 , 17, 2110-21	4.3	31
151	Temporal variations of black carbon during haze and non-haze days in Beijing. <i>Scientific Reports</i> , 2016 , 6, 33331	4.9	31
150	Is atherosclerotic disease associated with organic components of ambient fine particles?. <i>Science of the Total Environment</i> , 2015 , 533, 69-75	10.2	30
149	Association Between Bedroom Particulate Matter Filtration and Changes in Airway Pathophysiology in Children With Asthma. <i>JAMA Pediatrics</i> , 2020 , 174, 533-542	8.3	30
148	Sources and their contribution to two water-soluble organic carbon fractions at a roadway site. <i>Atmospheric Environment</i> , 2013 , 77, 348-357	5.3	30
147	Sensitivity of a molecular marker based positive matrix factorization model to the number of receptor observations. <i>Atmospheric Environment</i> , 2009 , 43, 4951-4958	5.3	30
146	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, 361-80	3.6	30
145	Oxidative potential of size-fractionated atmospheric aerosol in urban and rural sites across Europe. <i>Faraday Discussions</i> , 2016 , 189, 381-405	3.6	29
144	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	8.4	28
143	Source apportionment of PM _{2.5} carbonaceous aerosol in Baghdad, Iraq. <i>Atmospheric Research</i> , 2015 , 156, 80-90	5.4	28
142	Development of a Manganese Speciation Method for Atmospheric Aerosols in Biologically and Environmentally Relevant Fluids. <i>Aerosol Science and Technology</i> , 2007 , 41, 925-933	3.4	28
141	Daily Variation in Particle-Phase Source Tracers in an Urban Atmosphere. <i>Aerosol Science and Technology</i> , 2007 , 41, 981-993	3.4	28
140	Using Low-cost sensors to Quantify the Effects of Air Filtration on Indoor and Personal Exposure Relevant PM _{2.5} Concentrations in Beijing, China. <i>Aerosol and Air Quality Research</i> , 2020 , 20, 297-313	4.6	28
139	Comparison of heterogeneous photolytic reduction of Hg(II) in the coal fly ashes and synthetic aerosols. <i>Atmospheric Research</i> , 2014 , 138, 324-329	5.4	27
138	Evaluation of an offline method for the analysis of atmospheric reactive gaseous mercury and particulate mercury. <i>Journal of the Air and Waste Management Association</i> , 2008 , 58, 377-83	2.4	27

137	Development and Evaluation of a High-Volume Aerosol-into-Liquid Collector for Fine and Ultrafine Particulate Matter. <i>Aerosol Science and Technology</i> , 2013 , 47, 1226-1238	3.4	26
136	Seasonal trends in the composition and ROS activity of fine particulate matter in Baghdad, Iraq. <i>Atmospheric Environment</i> , 2015 , 100, 102-110	5.3	25
135	Source Apportionment of Fine-Particle, Water-Soluble Organic Nitrogen and Its Association with the Inflammatory Potential of Lung Epithelial Cells. <i>Environmental Science & Technology</i> , 2019 , 53, 9845-9854	10.3	25
134	The impact of household air cleaners on the chemical composition and children's exposure to PM metal sources in suburban Shanghai. <i>Environmental Pollution</i> , 2019 , 253, 190-198	9.3	24
133	Sensitivity of hazardous air pollutant emissions to the combustion of blends of petroleum diesel and biodiesel fuel. <i>Atmospheric Environment</i> , 2012 , 50, 307-313	5.3	24
132	A user-centered, iterative engineering approach for advanced biomass cookstove design and development. <i>Environmental Research Letters</i> , 2017 , 12, 095009	6.2	24
131	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	9.3	24
130	Chemical characteristics and source apportionment of fine particulate organic carbon in Hong Kong during high particulate matter episodes in winter 2003. <i>Atmospheric Research</i> , 2013 , 120-121, 88-98	5.4	23
129	Characteristics of fine particle carbonaceous aerosol at two remote sites in Central Asia. <i>Atmospheric Environment</i> , 2011 , 45, 6955-6964	5.3	23
128	Spatial variability of carbonaceous aerosols and associated source tracers in two cities in the Midwestern United States. <i>Atmospheric Environment</i> , 2010 , 44, 1597-1608	5.3	23
127	Seasonal and spatial trends in the sources of fine particle organic carbon in Israel, Jordan, and Palestine. <i>Atmospheric Environment</i> , 2010 , 44, 3669-3678	5.3	23
126	The impact of household air cleaners on the oxidative potential of PM and the role of metals and sources associated with indoor and outdoor exposure. <i>Environmental Research</i> , 2020 , 181, 108919	7.9	23
125	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	3.7	23
124	The Oxidative Potential of Personal and Household PM in a Rural Setting in Southwestern China. <i>Environmental Science & Technology</i> , 2019 , 53, 2788-2798	10.3	22
123	Effectiveness of a Household Energy Package in Improving Indoor Air Quality and Reducing Personal Exposures in Rural China. <i>Environmental Science & Technology</i> , 2019 , 53, 9306-9316	10.3	22
122	Optimization of the Measurement of Particle-Bound Reactive Oxygen Species with 2,2',7,7'-dichlorofluorescein (DCFH). <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	22
121	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	5.3	22
120	A Source Dilution Sampling System for Characterization of Engine Emissions under Transient or Steady-State Operation. <i>Aerosol Science and Technology</i> , 2008 , 42, 270-280	3.4	22

119	Oxidative potential of ambient PM in Wuhan and its comparisons with eight areas of China. <i>Science of the Total Environment</i> , 2020 , 701, 134844	10.2	22
118	Source apportionments of ambient fine particulate matter in Israeli, Jordanian, and Palestinian cities. <i>Environmental Pollution</i> , 2017 , 225, 1-11	9.3	21
117	Size-resolved particulate matter composition in Beijing during pollution and dust events. <i>Journal of Geophysical Research</i> , 2006 , 111,		21
116	Assessing the role of chemical components in cellular responses to atmospheric particle matter (PM) through chemical fractionation of PM extracts. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 5953-63	4.4	20
115	An in vitro alveolar macrophage assay for the assessment of inflammatory cytokine expression induced by atmospheric particulate matter. <i>Environmental Toxicology</i> , 2015 , 30, 836-51	4.2	20
114	Associations of personal exposure to air pollutants with airway mechanics in children with asthma. <i>Environment International</i> , 2020 , 138, 105647	12.9	20
113	Empirical relationship between particulate matter and aerosol optical depth over Northern Tien-Shan, Central Asia. <i>Air Quality, Atmosphere and Health</i> , 2013 , 6, 385-396	5.6	20
112	Source identification of personal exposure to fine particulate matter using organic tracers. <i>Atmospheric Environment</i> , 2009 , 43, 1972-1981	5.3	20
111	A Novel Method Using Polyurethane Foam (PUF) Substrates to Determine Trace Element Concentrations in Size-Segregated Atmospheric Particulate Matter on Short Time Scales. <i>Aerosol Science and Technology</i> , 2007 , 41, 75-85	3.4	20
110	Chemical characterization and source apportionment of PM personal exposure of two cohorts living in urban and suburban Beijing. <i>Environmental Pollution</i> , 2019 , 246, 225-236	9.3	20
109	Quantitative estimation of meteorological impacts and the COVID-19 lockdown reductions on NO and PM over the Beijing area using Generalized Additive Models (GAM). <i>Journal of Environmental Management</i> , 2021 , 291, 112676	7.9	20
108	Seasonal contribution of mineral dust and other major components to particulate matter at two remote sites in Central Asia. <i>Atmospheric Environment</i> , 2015 , 119, 11-20	5.3	19
107	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	9.3	19
106	Chemical composition and redox activity of PM near Los Angeles International Airport and comparisons to an urban traffic site. <i>Science of the Total Environment</i> , 2018 , 610-611, 1336-1346	10.2	19
105	Differential effects of diesel exhaust particles on T cell differentiation and autoimmune disease. <i>Particle and Fibre Toxicology</i> , 2018 , 15, 35	8.4	19
104	Temporal trends in motor vehicle and secondary organic tracers using in situ methylation thermal desorption GCMS. <i>Environmental Science & Technology</i> , 2010 , 44, 9398-404	10.3	19
103	Diurnal trends in coarse particulate matter composition in the Los Angeles Basin. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 3277-87		19
102	Chemical characterization and source apportionment of fine and coarse particulate matter inside the refectory of Santa Maria Delle Grazie Church, home of Leonardo Da Vinci's "Last Supper". <i>Environmental Science & Technology</i> , 2011 , 45, 10344-53	10.3	19

101	Seasonal variations of elemental carbon in urban aerosols as measured by two common thermal-optical carbon methods. <i>Science of the Total Environment</i> , 2009 , 407, 5176-83	10.2	19
100	First field-based atmospheric observation of the reduction of reactive mercury driven by sunlight. <i>Atmospheric Environment</i> , 2016 , 134, 27-39	5.3	19
99	Characterization of aerosol chemical composition and the reconstruction of light extinction coefficients during winter in Wuhan, China. <i>Chemosphere</i> , 2020 , 241, 125033	8.4	19
98	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	8.4	19
97	Differences in chemical composition of PM emissions from traditional versus advanced combustion (semi-gasifier) solid fuel stoves. <i>Chemosphere</i> , 2019 , 233, 852-861	8.4	18
96	Sources of primary and secondary organic aerosol and their diurnal variations. <i>Journal of Hazardous Materials</i> , 2014 , 264, 536-44	12.8	18
95	Contributions of resuspended soil and road dust to organic carbon in fine particulate matter in the Midwestern US. <i>Atmospheric Environment</i> , 2011 , 45, 514-518	5.3	18
94	Impacts of regional transport on black carbon in Huairou, Beijing, China. <i>Environmental Pollution</i> , 2017 , 221, 75-84	9.3	17
93	Spatial and temporal variation in fine particulate matter mass and chemical composition: the Middle East Consortium for Aerosol Research Study. <i>Scientific World Journal, The</i> , 2014 , 2014, 878704	2.2	17
92	Impact of species uncertainty perturbation on the solution stability of positive matrix factorization of atmospheric particulate matter data. <i>Environmental Science & Technology</i> , 2008 , 42, 6015-21	10.3	17
91	PM2.5 in Abuja, Nigeria: Chemical characterization, source apportionment, temporal variations, transport pathways and the health risks assessment. <i>Atmospheric Research</i> , 2020 , 237, 104833	5.4	17
90	Wood burning pollution in southern Chile: PM source apportionment using CMB and molecular markers. <i>Environmental Pollution</i> , 2017 , 225, 514-523	9.3	16
89	Source apportionment of PM organic carbon in the San Joaquin Valley using monthly and daily observations and meteorological clustering. <i>Environmental Pollution</i> , 2018 , 237, 366-376	9.3	16
88	Assessment of diesel particulate matter exposure in the workplace: freight terminals. <i>Journal of Environmental Monitoring</i> , 2008 , 10, 305-14		16
87	Impact of emissions from the Ports of Los Angeles and Long Beach on the oxidative potential of ambient PM measured across the Los Angeles County. <i>Science of the Total Environment</i> , 2019 , 651, 638-647	10.2	16
86	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	10.2	15
85	Iron Distribution in Size-Resolved Aerosols Generated by UV-Femtosecond Laser Ablation: Influence of Cell Geometry and Implications for In Situ Isotopic Determination by LA-MC-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2014 , 38, 293-309	3.6	15
84	Tracking personal exposure to particulate diesel exhaust in a diesel freight terminal using organic tracer analysis. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2009 , 19, 172-86	6.7	15

83	Real-time measurements of PM and ozone to assess the effectiveness of residential indoor air filtration in Shanghai homes. <i>Indoor Air</i> , 2021 , 31, 74-87	5.4	15
82	Origin of high particle number concentrations reaching the St. Louis, Midwest Supersite. <i>Journal of Environmental Sciences</i> , 2015 , 34, 219-31	6.4	14
81	Exposure to air pollution interacts with obesogenic nutrition to induce tissue-specific response patterns. <i>Environmental Pollution</i> , 2018 , 239, 532-543	9.3	14
80	Estimation of direct emissions and atmospheric processing of reactive mercury using inverse modeling. <i>Atmospheric Environment</i> , 2014 , 85, 73-82	5.3	14
79	On-Roadway In-Cabin Exposure to Particulate Matter: Measurement Results Using Both Continuous and Time-Integrated Sampling Approaches. <i>Aerosol Science and Technology</i> , 2014 , 48, 664-675	3.4	14
78	Elements and inorganic ions as source tracers in recent Greenland snow. <i>Atmospheric Environment</i> , 2017 , 164, 205-215	5.3	14
77	Sensitivity and bias of molecular marker-based aerosol source apportionment models to small contributions of coal combustion soot. <i>Environmental Science & Technology</i> , 2009 , 43, 7770-7	10.3	14
76	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	10.2	14
75	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	10.2	13
74	Preliminary assessment of the anthropogenic and biogenic contributions to secondary organic aerosols at two industrial cities in the upper Midwest. <i>Atmospheric Environment</i> , 2014 , 84, 307-313	5.3	13
73	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	5.3	13
72	Sensitivity of Diesel Particulate Material Emissions and Composition to Blends of Petroleum Diesel and Biodiesel Fuel. <i>Aerosol Science and Technology</i> , 2012 , 46, 1109-1118	3.4	13
71	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	4.3	13
70	Sensitivity of source apportionment results to mobile source profiles. <i>Environmental Pollution</i> , 2016 , 219, 821-828	9.3	12
69	Longitudinal evaluation of a household energy package on blood pressure, central hemodynamics, and arterial stiffness in China. <i>Environmental Research</i> , 2019 , 177, 108592	7.9	12
68	Spatial variability of carbonaceous aerosol concentrations in East and West Jerusalem. <i>Environmental Science & Technology</i> , 2010 , 44, 1911-7	10.3	12
67	Ambient urban dust particulate matter reduces pathologic T cells in the CNS and severity of EAE. <i>Environmental Research</i> , 2019 , 168, 178-192	7.9	12
66	A new technique for online measurement of total and water-soluble copper (Cu) in coarse particulate matter (PM). <i>Environmental Pollution</i> , 2015 , 199, 227-34	9.3	11

65	Climate sensitivity of gaseous elemental mercury dry deposition to plants: impacts of temperature, light intensity, and plant species. <i>Environmental Science & Technology</i> , 2011 , 45, 569-75	10.3	11
64	Trace metal analysis of atmospheric particulate matter: A comparison of personal and ambient samplers. <i>Journal of Environmental Engineering and Science</i> , 2008 , 7, 289-298	0.8	11
63	Malondialdehyde in Nasal Fluid: A Biomarker for Monitoring Asthma Control in Relation to Air Pollution Exposure. <i>Environmental Science & Technology</i> , 2020 , 54, 11405-11413	10.3	11
62	Source contributions to multiple toxic potentials of atmospheric organic aerosols. <i>Science of the Total Environment</i> , 2021 , 773, 145614	10.2	11
61	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	9.3	11
60	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	3.2	10
59	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	10.2	10
58	Development of a Technology for Online Measurement of Total and Water-Soluble Copper (Cu) in PM _{2.5} . <i>Aerosol Science and Technology</i> , 2014 , 48, 864-874	3.4	10
57	Seasonal and spatial variations of individual organic compounds of coarse particulate matter in the Los Angeles Basin. <i>Atmospheric Environment</i> , 2012 , 59, 1-10	5.3	10
56	Sources of metals and bromine-containing particles in Milwaukee. <i>Atmospheric Environment</i> , 2013 , 73, 124-130	5.3	10
55	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	10.2	10
54	Determinants of personal exposure to PM and black carbon in Chinese adults: A repeated-measures study in villages using solid fuel energy. <i>Environment International</i> , 2021 , 146, 106297	12.9	10
53	Comparison of PM emission rates and source profiles for traditional Chinese cooking styles. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 21239-21252	5.1	9
52	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	5.1	9
51	Atmospheric impacts of black carbon emission reductions through the strategic use of biodiesel in California. <i>Science of the Total Environment</i> , 2015 , 538, 412-22	10.2	9
50	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	3.4	9
49	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	8.4	9
48	Understanding the sources and composition of the incremental excess of fine particles across multiple sampling locations in one air shed. <i>Journal of Environmental Sciences</i> , 2014 , 26, 818-26	6.4	9

47	The EDAM project: Mining atmospheric aerosol datasets. <i>International Journal of Intelligent Systems</i> , 2005 , 20, 759-787	8.4	9
46	Changes in speciated PM _{2.5} concentrations in Fresno, California, due to NO _x reductions and variations in diurnal emission profiles by day of week. <i>Elementa</i> , 2019 , 7,	3.6	9
45	Personal Exposure to PM Oxidative Potential in Association with Pulmonary Pathophysiologic Outcomes in Children with Asthma. <i>Environmental Science & Technology</i> , 2021 , 55, 3101-3111	10.3	9
44	Design Criteria for Future Fuels and Related Power Systems Addressing the Impacts of Non-CO ₂ Pollutants on Human Health and Climate Change. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2015 , 6, 101-20	8.9	8
43	Quantum chemical calculations to determine partitioning coefficients for HgCl on iron-oxide aerosols. <i>Science of the Total Environment</i> , 2018 , 636, 580-587	10.2	8
42	Heterogeneous Reduction Pathways for Hg(II) Species on Dry Aerosols: A First-Principles Computational Study. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 2106-13	2.8	8
41	Direct observation of the break-up of a nocturnal inversion layer using elemental mercury as a tracer. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	8
40	Children's microenvironmental exposure to PM and ozone and the impact of indoor air filtration. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020 , 30, 971-980	6.7	8
39	Changes in oxidative potential of soil and fly ash after reaction with gaseous nitric acid. <i>Atmospheric Environment</i> , 2018 , 173, 306-315	5.3	8
38	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	21.8	7
37	Quantifying and manipulating species influence in positive matrix factorization. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008 , 94, 140-148	3.8	7
36	Satellite Observations of PM _{2.5} Changes and Driving Factors Based Forecasting Over China 2000-2025. <i>Remote Sensing</i> , 2020 , 12, 2518	5	7
35	Real-world PM extracts differentially enhance Th17 differentiation and activate the aryl hydrocarbon receptor (AHR). <i>Toxicology</i> , 2019 , 414, 14-26	4.4	7
34	Source apportionments of PM 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	5.1	6
33	Diagnostic air quality model evaluation of source-specific primary and secondary fine particulate carbon. <i>Environmental Science & Technology</i> , 2014 , 48, 464-73	10.3	6
32	Analysis of Organic Molecular Markers in Atmospheric Fine Particulate Matter: Understanding the Impact of "Unknown" Point Sources on Chemical Mass Balance Models. <i>Journal of Korean Society for Atmospheric Environment</i> , 2009 , 25, 219-236	1.5	6
31	Impacts of stove/fuel use and outdoor air pollution on chemical composition of household particulate matter. <i>Indoor Air</i> , 2020 , 30, 294-305	5.4	6
30	Effects of the emergency control measures in Beijing on air quality improvement. <i>Atmospheric Pollution Research</i> , 2019 , 10, 580-586	4.5	6

29	Role of endogenous melatonin in pathophysiological and oxidative stress responses to personal air pollutant exposures in asthmatic children. <i>Science of the Total Environment</i> , 2021 , 773, 145709	10.2	5
28	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	2.1	5
27	Source Apportionment of Coarse Particulate Matter (PM) in Yangon, Myanmar. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	4
26	Computational Chemistry-Based Evaluation of Metal Salts and Metal Oxides for Application in Mercury-Capture Technologies. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 9015-9022	3.9	4
25	Effects of a Zeolite-Selective Catalytic Reduction System on Comprehensive Emissions from a Heavy-Duty Diesel Engine. <i>Journal of the Air and Waste Management Association</i> , 2008 , 58, 1258-1265	2.4	4
24	Chemical Characterization and Seasonality of Ambient Particles (PM) in the City Centre of Addis Ababa. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	4
23	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	9.3	4
22	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,	4.6	4
21	BAERLIN2014 [stationary measurements and source apportionment at an urban background station in Berlin, Germany. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 8621-8645	6.8	4
20	Assessing the impact of industrial source emissions on atmospheric carbonaceous aerosol concentrations using routine monitoring networks. <i>Journal of the Air and Waste Management Association</i> , 2010 , 60, 149-55	2.4	3
19	Clustering composition vectors using uncertainty information. <i>Environmetrics</i> , 2007 , 18, 859-869	1.3	3
18	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	3.2	3
17	Influence of hydrophilic and hydrophobic water-soluble organic carbon fractions on light extinction at an urban site. <i>Journal of the Korean Physical Society</i> , 2013 , 63, 2047-2053	0.6	2
16	Wood burning pollution in Chile: A tale of two mid-size cities. <i>Atmospheric Pollution Research</i> , 2021 , 12, 50-59	4.5	2
15	Increases in the formation of water soluble organic nitrogen during Asian dust storm episodes. <i>Atmospheric Research</i> , 2021 , 253, 105486	5.4	2
14	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	9.3	2
13	Source attribution of air pollution using a generalized additive model and particle trajectory clusters. <i>Science of the Total Environment</i> , 2021 , 780, 146458	10.2	2
12	Impacts of Sources on PM Oxidation Potential during and after the Asia-Pacific Economic Cooperation Conference in Huairou, Beijing. <i>Environmental Science & Technology</i> , 2020 , 54, 2585-2594	10.3	1

11	An improved understanding of NO _x emissions in South Asian megacities using TROPOMI NO ₂ retrievals. <i>Environmental Research Letters</i> , 2022 , 17, 024006	6.2	1
10	Chemical Investigation of Household Solid Fuel Use and Outdoor Air Pollution Contributions to Personal PM Exposures. <i>Environmental Science & Technology</i> , 2021 , 55, 15969-15979	10.3	1
9	An improved method for sampling and analytical measurement of aerosol platinum in ambient air and workplace environments.. <i>Science of the Total Environment</i> , 2021 , 814, 152657	10.2	1
8	Reactive oxygen species (ROS) activity of fine particulate matter health impacts in Addis Ababa, Ethiopia. <i>Atmospheric Pollution Research</i> , 2021 , 12, 101149	4.5	1
7	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	9.3	1
6	Cytotoxicity and chemical composition of women's personal PM exposures from rural China. <i>Environmental Science Atmospheres</i> , 2021 , 1, 359-371		0
5	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	10.2	0
4	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	4.9	0
3	Oral cavity response to air pollutant exposure and association with pulmonary inflammation and symptoms in asthmatic children. <i>Environmental Research</i> , 2021 , 112275	7.9	
2	Improved source apportionment and speciation of low-volume particulate matter samples. <i>Research Report (health Effects Institute)</i> , 2010 , 3-75; discussion 77-89	0.9	
1	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> , 1-14	2.2	