

Mass reconstruction methods for PM_{2.5}: a review

Air Quality, Atmosphere and Health

8, 243-263

DOI: [10.1007/s11869-015-0338-3](https://doi.org/10.1007/s11869-015-0338-3)

Citation Report

#	ARTICLE	IF	CITATIONS
1	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.	4.1	23
2	Characterization of PM _{2.5} and PM ₁₀ fugitive dust source profiles in the Athabasca Oil Sands Region. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 1421-1433.	1.9	57
3	Characteristics of PM ₁₀ Chemical Source Profiles for Geological Dust from the South-West Region of China. <i>Atmosphere</i> , 2016, 7, 146.	2.3	7
4	Particulate Matter in the Air of the Underground Chamber Complex of the Wieliczka Salt Mine Health Resort. <i>Advances in Experimental Medicine and Biology</i> , 2016, 955, 9-18.	1.6	14
5	Chemical characterization and source apportionment of size-resolved particles in Hong Kong sub-urban area. <i>Atmospheric Research</i> , 2016, 170, 112-122.	4.1	29
6	Field performance of a semi-continuous monitor for ambient PM _{2.5} water-soluble inorganic ions and gases at a suburban site. <i>Atmospheric Environment</i> , 2016, 144, 376-388.	4.1	54
7	Ambient aerosol composition by infrared spectroscopy and partial least-squares in the chemical speciation network: Organic carbon with functional group identification. <i>Aerosol Science and Technology</i> , 2016, 50, 1096-1114.	3.1	20
8	Chemical characterisation of total suspended particulate matter from a remote area in Amazonia. <i>Atmospheric Research</i> , 2016, 182, 102-113.	4.1	19
9	Source identification and apportionment of PM _{2.5} and PM _{2.5} ~ ¹⁰ in iron and steel scrap smelting factory environment using PMF, PCFA and UNMIX receptor models. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 574.	2.7	48
10	Assessing the contribution of water to the mass closure of PM ₁₀ . <i>Atmospheric Environment</i> , 2016, 140, 555-564.	4.1	20
11	Factors, origin and sources affecting PM ₁ concentrations and composition at an urban background site. <i>Atmospheric Research</i> , 2016, 180, 262-273.	4.1	62
12	Study of carbonaceous fractions associated with indoor PM _{2.5} /PM ₁₀ during Asian cultural and ritual burning practices. <i>Building and Environment</i> , 2016, 106, 229-236.	6.9	12
13	Explaining the high PM ₁₀ concentrations observed in Polish urban areas. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 517-531.	3.3	80
14	Emissions and source profiles of PM _{2.5} for coal-fired boilers in the Shanghai megacity, China. <i>Atmospheric Pollution Research</i> , 2016, 7, 577-584.	3.8	39
15	Status and characteristics of ambient PM _{2.5} pollution in global megacities. <i>Environment International</i> , 2016, 89-90, 212-221.	10.0	287
16	Fine aerosol particles (PM ₁): natural and anthropogenic contributions and health risk assessment. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 621-629.	3.3	25
17	Atmospheric aerosols local~regional discrimination for a semi-urban area in India. <i>Atmospheric Research</i> , 2016, 168, 13-23.	4.1	17
18	Characteristics of an open-cut coal mine fire pollution event. <i>Atmospheric Environment</i> , 2017, 151, 140-151.	4.1	37

#	ARTICLE	IF	CITATIONS
19	Ionic Composition of Fine Particulate Matter from Urban and Regional Background Sites in Poland. <i>Environmental Engineering Science</i> , 2017, 34, 236-250.	1.6	4
20	A simple method for determination of total water in PM ₁ on quartz fiber filters. <i>Microchemical Journal</i> , 2017, 132, 327-332.	4.5	8
21	Sources and composition of PM _{2.5} in the Colorado Front Range during the DISCOVER ² AQ study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 566-582.	3.3	11
22	Source apportionment of urban air pollutants using constrained receptor models with a priori profile information. <i>Environmental Pollution</i> , 2017, 227, 323-333.	7.5	27
23	Enhanced Ion Chromatographic Speciation of Water-Soluble PM _{2.5} to Improve Aerosol Source Apportionment. <i>Aerosol Science and Engineering</i> , 2017, 1, 7-24.	1.9	21
24	Refined 2013-based vehicle emission inventory and its spatial and temporal characteristics in Zhengzhou, China. <i>Science of the Total Environment</i> , 2017, 599-600, 1149-1159.	8.0	71
25	Air quality measurementsâ€”From rubber bands to tapping the rainbow. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 637-668.	1.9	11
26	Background PM _{2.5} source apportionment in the remote Northwestern United States. <i>Atmospheric Environment</i> , 2017, 167, 298-308.	4.1	20
27	PM _{2.5} components and outpatient visits for asthma: A time-stratified case-crossover study in a suburban area. <i>Environmental Pollution</i> , 2017, 231, 1085-1092.	7.5	36
28	PM _{2.5} emissions and source profiles from open burning of crop residues. <i>Atmospheric Environment</i> , 2017, 169, 229-237.	4.1	50
29	Chemical Constituents of Carbonaceous and Nitrogen Aerosols over Thumba Region, Trivandrum, India. <i>Archives of Environmental Contamination and Toxicology</i> , 2017, 73, 456-473.	4.1	7
30	Efficacy of Recent Emissions Controls on Road Vehicles in Europe and Implications for Public Health. <i>Scientific Reports</i> , 2017, 7, 1152.	3.3	33
31	Filter Processing and Gravimetric Analysis for Suspended Particulate Matter Samples. <i>Aerosol Science and Engineering</i> , 2017, 1, 93-105.	1.9	45
32	Combustion-related organic species in temporally resolved urban airborne particulate matter. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 917-927.	3.3	1
33	Emissions and Partitioning of Intermediate-Volatility and Semi-Volatile Polar Organic Compounds (I/SV-POCs) During Laboratory Combustion of Boreal and Sub-Tropical Peat. <i>Aerosol Science and Engineering</i> , 2017, 1, 25-32.	1.9	10
34	Temporal and spatial distribution of PM _{2.5} chemical composition in a coastal city of Southeast China. <i>Science of the Total Environment</i> , 2017, 605-606, 337-346.	8.0	33
35	Carbonaceous particles and aerosol mass closure in PM _{2.5} collected in a port city. <i>Atmospheric Research</i> , 2017, 183, 245-254.	4.1	31
36	The impact of the 2016 Fort McMurray Horse River Wildfire on ambient air pollution levels in the Athabasca Oil Sands Region, Alberta, Canada. <i>Science of the Total Environment</i> , 2018, 618, 1665-1676.	8.0	72

#	ARTICLE	IF	CITATIONS
37	Trends on PM _{2.5} research, 1997–2016: a bibliometric study. <i>Environmental Science and Pollution Research</i> , 2018, 25, 12284-12298.	5.3	27
38	Coarse particle (PM _{10-2.5}) source profiles for emissions from domestic cooking and industrial process in Central India. <i>Science of the Total Environment</i> , 2018, 627, 1137-1145.	8.0	41
39	Ambient PM ₁₀ impacts brought by the extreme flooding event of March 24–26, 2015, in Copiapó ³ , Chile. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 341-351.	3.3	4
40	Chemical nature of PM _{2.5} and PM ₁₀ in Xi'an, China: Insights into primary emissions and secondary particle formation. <i>Environmental Pollution</i> , 2018, 240, 155-166.	7.5	100
41	Temporal and spatial variations of PM _{2.5} organic and elemental carbon in Central India. <i>Environmental Geochemistry and Health</i> , 2018, 40, 2205-2222.	3.4	18
42	Hong Kong vehicle emission changes from 2003 to 2015 in the Shing Mun Tunnel. <i>Aerosol Science and Technology</i> , 2018, 52, 1085-1098.	3.1	24
43	Chemical Compositions of PM _{2.5} Emitted from Diesel Trucks and Construction Equipment. <i>Aerosol Science and Engineering</i> , 2018, 2, 51-60.	1.9	17
44	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.	7.5	51
45	Chemical characterisation and source identification of atmospheric aerosols in the Snowy Mountains, south-eastern Australia. <i>Science of the Total Environment</i> , 2018, 630, 432-443.	8.0	15
46	Chemical characteristics and source apportionment of PM _{2.5} between heavily polluted days and other days in Zhengzhou, China. <i>Journal of Environmental Sciences</i> , 2018, 66, 188-198.	6.1	42
47	Measurements of PM ₁₀ ions and trace gases with the online system MARGA at the research station Melpitz in Germany – A five-year study. <i>Journal of Atmospheric Chemistry</i> , 2018, 75, 33-70.	3.2	37
48	Chemical composition and source apportionment of PM ₁₀ at an urban background site in a high-altitude Latin American megacity (Bogota, Colombia). <i>Environmental Pollution</i> , 2018, 233, 142-155.	7.5	64
49	Insights into extinction evolution during extreme low visibility events: Case study of Shanghai, China. <i>Science of the Total Environment</i> , 2018, 618, 793-803.	8.0	10
50	Source, health risk and composition impact of outdoor very fine particles (VFPs) to school indoor environment in Xi'an, Northwestern China. <i>Science of the Total Environment</i> , 2018, 612, 238-246.	8.0	36
51	Particle size distribution, chemical composition and meteorological factor analysis: A case study during wintertime snow cover in Zhengzhou, China. <i>Atmospheric Research</i> , 2018, 202, 140-147.	4.1	19
52	Characteristics of mass concentration, chemical composition, source apportionment of PM _{2.5} and PM ₁₀ and health risk assessment in the emerging megacity in China. <i>Atmospheric Pollution Research</i> , 2018, 9, 309-321.	3.8	54
53	Dry Deposition of Reactive Nitrogen From Satellite Observations of Ammonia and Nitrogen Dioxide Over North America. <i>Geophysical Research Letters</i> , 2018, 45, 1157-1166.	4.0	62
54	Feasibility of coupling a thermal/optical carbon analyzer to a quadrupole mass spectrometer for enhanced PM _{2.5} speciation. <i>Journal of the Air and Waste Management Association</i> , 2018, 68, 463-476.	1.9	5

#	ARTICLE	IF	CITATIONS
55	Short review on PM-bound water. Its presence in the atmosphere, forms of occurrence and determination by Karl Fischer coulometric titration. E3S Web of Conferences, 2018, 44, 00187.	0.5	1
56	Molecular and physical characteristics of aerosol at a remote free troposphere site: implications for atmospheric aging. Atmospheric Chemistry and Physics, 2018, 18, 14017-14036.	4.9	39
57	Constraining chemical transport PM _{2.5} ; modeling outputs using surface monitor measurements and satellite retrievals: application over the San Joaquin Valley. Atmospheric Chemistry and Physics, 2018, 18, 12891-12913.	4.9	12
58	Measuring the Organic Carbon to Organic Matter Multiplier with Thermal/Optical Carbon-Quadrupole Mass Spectrometer Analyses. Aerosol Science and Engineering, 2018, 2, 165-172.	1.9	3
59	Anthropogenic fine aerosols dominate the wintertime regime over the northern Indian Ocean. Tellus, Series B: Chemical and Physical Meteorology, 2022, 70, 1464871.	1.6	19
60	PM10 oxidative potential at a Central Mediterranean Site: Association with chemical composition and meteorological parameters. Atmospheric Environment, 2018, 188, 97-111.	4.1	44
61	Emission Characteristics of PM2.5 and Trace Gases from Household Wood Burning in Guanzhong Plain, Northwest China. Aerosol Science and Engineering, 2018, 2, 130-140.	1.9	12
62	The Use of Principal Component Analysis for Source Identification of PM2.5 from Selected Urban and Regional Background Sites in Poland. E3S Web of Conferences, 2018, 28, 01001.	0.5	4
63	Chemical composition and oxidative potential of atmospheric coarse particles at an industrial and urban background site in the alpine region of northern Italy. Atmospheric Environment, 2018, 191, 340-350.	4.1	34
64	Airborne particulate matter biotoxicity estimated by chemometric analysis on bacterial luminescence data. Science of the Total Environment, 2018, 640-641, 1512-1520.	8.0	14
65	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
66	Design and evaluation of a portable PM _{2.5} monitor featuring a low-cost sensor in line with an active filter sampler. Environmental Sciences: Processes and Impacts, 2019, 21, 1403-1415.	3.5	21
67	Mapping sources of atmospheric pollution: integrating spatial and cluster bibliometrics. Environmental Reviews, 2019, , 1-11.	4.5	1
68	Spatial and temporal variations of PM2.5 mass closure and inorganic PM2.5 in the Southeastern U.S.. Environmental Science and Pollution Research, 2019, 26, 33181-33191.	5.3	10
69	Changes in PM _{2.5} ; peat combustion source profiles with atmospheric aging in an oxidation flow reactor. Atmospheric Measurement Techniques, 2019, 12, 5475-5501.	3.1	16
70	Identifying and Quantifying the Impacts of Advected North African Dust on the Concentration and Composition of Airborne Fine Particulate Matter in Houston and Galveston, Texas. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12282-12300.	3.3	23
71	Atmospheric particulate matter characterization by Fourier transform infrared spectroscopy: a review of statistical calibration strategies for carbonaceous aerosol quantification in US measurement networks. Atmospheric Measurement Techniques, 2019, 12, 525-567.	3.1	17
72	Trends in remote PM2.5 residual mass across the United States: Implications for aerosol mass reconstruction in the IMPROVE network. Atmospheric Environment, 2019, 203, 141-152.	4.1	37

#	ARTICLE	IF	CITATIONS
73	Characterization of smoke for spacecraft fire safety. <i>Journal of Aerosol Science</i> , 2019, 136, 36-47.	3.8	14
74	A Laboratory Assessment of 120 Air Pollutant Emissions from Biomass and Fossil Fuel Cookstoves. <i>Environmental Science & Technology</i> , 2019, 53, 7114-7125.	10.0	58
75	Evaluation of MERRAero PM _{2.5} over Indian cities. <i>Advances in Space Research</i> , 2019, 64, 328-334.	2.6	16
76	Characterization of PM _{2.5} source profiles from typical biomass burning of maize straw, wheat straw, wood branch, and their processed products (briquette and charcoal) in China. <i>Atmospheric Environment</i> , 2019, 205, 36-45.	4.1	55
77	Redistribution of PM _{2.5} -associated nitrate and ammonium during outdoor-to-indoor transport. <i>Indoor Air</i> , 2019, 29, 460-468.	4.3	19
78	Chemical Characteristics of Fine Particulate Matter in Poland in Relation with Data from Selected Rural and Urban Background Stations in Europe. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 98.	2.5	14
79	Biomass burning in the northern peninsular Southeast Asia: Aerosol chemical profile and potential exposure. <i>Atmospheric Research</i> , 2019, 224, 180-195.	4.1	66
80	Quantifying organic matter and functional groups in particulate matter filter samples from the southeastern United States – Part 1: Methods. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5391-5415.	3.1	12
81	Relations between indoor and outdoor PM _{2.5} and constituent concentrations. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	34
82	Seasonal variations of PM ₁ -bound water concentration in urban areas in Poland. <i>Atmospheric Pollution Research</i> , 2019, 10, 267-273.	3.8	13
83	The influence of local emissions and regional air pollution transport on a European air pollution hot spot. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1675-1692.	5.3	36
84	Household solid fuel burning emission characterization and activity levels in India. <i>Science of the Total Environment</i> , 2019, 654, 493-504.	8.0	17
85	PM _{2.5} in a megacity of Asia (Karachi): Source apportionment and health effects. <i>Atmospheric Environment</i> , 2019, 202, 223-233.	4.1	27
86	Composition and origin of PM _{2.5} in Mediterranean Countryside. <i>Environmental Pollution</i> , 2019, 246, 294-302.	7.5	9
87	Sources of pollution and interrelationships between aerosol and precipitation chemistry at a central California site. <i>Science of the Total Environment</i> , 2019, 651, 1776-1787.	8.0	42
88	Characterization of aerosol chemical composition and the reconstruction of light extinction coefficients during winter in Wuhan, China. <i>Chemosphere</i> , 2020, 241, 125033.	8.2	29
89	Contributions of aerosol composition and sources to particulate optical properties in a southern coastal city of China. <i>Atmospheric Research</i> , 2020, 235, 104744.	4.1	15
90	A high-time resolution study of PM _{2.5} , organic carbon, and elemental carbon at an urban traffic site in Istanbul. <i>Atmospheric Environment</i> , 2020, 223, 117241.	4.1	16

#	ARTICLE	IF	CITATIONS
91	Hybrid multiple-site mass closure and source apportionment of PM _{2.5} and aerosol acidity at major cities in the Po Valley. <i>Science of the Total Environment</i> , 2020, 704, 135287.	8.0	41
92	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.	8.0	30
93	Impact of wood combustion on indoor air quality. <i>Science of the Total Environment</i> , 2020, 705, 135769.	8.0	33
94	PM _{2.5} on the London Underground. <i>Environment International</i> , 2020, 134, 105188.	10.0	57
95	Characteristics and source apportionment of PM _{2.5} on an island in Southeast China: Impact of sea-salt and monsoon. <i>Atmospheric Research</i> , 2020, 235, 104786.	4.1	17
96	Vehicular non-exhaust particulate emissions in Chinese megacities: Source profiles, real-world emission factors, and inventories. <i>Environmental Pollution</i> , 2020, 266, 115268.	7.5	57
97	Long term characteristics of atmospheric particulate matter and compositions in Jakarta, Indonesia. <i>Atmospheric Pollution Research</i> , 2020, 11, 2215-2225.	3.8	16
98	Source Apportionment of Aerosol at a Coastal Site and Relationships with Precipitation Chemistry: A Case Study over the Southeast United States. <i>Atmosphere</i> , 2020, 11, 1212.	2.3	14
99	Understanding air and water borne transmission and survival of coronavirus: Insights and way forward for SARS-CoV-2. <i>Science of the Total Environment</i> , 2020, 749, 141486.	8.0	45
100	Water Sorption by Different Types of Filter Media Used for Particulate Matter Collection Under Varying Temperature and Humidity Conditions. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5180.	2.6	8
101	Characteristics of Carbonaceous Matter in Aerosol from Selected Urban and Rural Areas of Southern Poland. <i>Atmosphere</i> , 2020, 11, 687.	2.3	10
102	Indoor aerosol water content and phase state in U.S. residences: impacts of relative humidity, aerosol mass and composition, and mechanical system operation. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 2031-2057.	3.5	20
103	Volatility Distribution of Organic Compounds in Sewage Incineration Emissions. <i>Environmental Science & Technology</i> , 2020, 54, 14235-14245.	10.0	10
104	Stabilization for the secondary species contribution to PM _{2.5} in the Pearl River Delta (PRD) over the past decade, China: A meta-analysis. <i>Atmospheric Environment</i> , 2020, 242, 117817.	4.1	28
105	Utilization of road dust chemical profiles for source identification and human health impact assessment. <i>Scientific Reports</i> , 2020, 10, 14259.	3.3	9
106	Assessment of particulate toxic metals at an Environmental Justice community. <i>Atmospheric Environment: X</i> , 2020, 6, 100070.	1.4	6
107	Changing Nature of Organic Carbon over the United States. <i>Environmental Science & Technology</i> , 2020, 54, 10524-10532.	10.0	11
108	Chemical Composition of PM ₁₀ in 16 Urban, Industrial and Background Sites in Italy. <i>Atmosphere</i> , 2020, 11, 479.	2.3	16

#	ARTICLE	IF	CITATIONS
109	Winter Urban Particulate Chemistry and Denver's "Brown Cloud": Part II. Air Chemistry and Meteorology. <i>Aerosol Science and Engineering</i> , 2020, 4, 80-100.	1.9	2
110	Investigating size-segregated sources of elemental composition of particulate matter in the South China Sea during the 2011 Vasco da Gama cruise. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1255-1276.	4.9	23
111	Characteristics and sources analysis of PM _{2.5} in a major industrial city of northern Xinjiang, China. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	4
112	Impact of vacuum cleaning on indoor air quality. <i>Building and Environment</i> , 2020, 180, 107059.	6.9	28
113	Measurement report: Vertical distribution of atmospheric particulate matter within the urban boundary layer in southern China " size-segregated chemical composition and secondary formation through cloud processing and heterogeneous reactions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6435-6453.	4.9	29
114	Impact of air transport and secondary formation on haze pollution in the Yangtze River Delta: In situ online observations in Shanghai and Nanjing. <i>Atmospheric Environment</i> , 2020, 225, 117350.	4.1	35
115	Contrasts in chemical composition and oxidative potential in PM ₁₀ near flares in oil extraction and refining areas in Ecuador. <i>Atmospheric Environment</i> , 2020, 223, 117302.	4.1	13
116	Satellite-Derived PM _{2.5} Composition and Its Differential Effect on Children's Lung Function. <i>Remote Sensing</i> , 2020, 12, 1028.	4.0	13
117	Characteristics, Secondary Formation and Regional Contributions of PM _{2.5} Pollution in Jinan during Winter. <i>Atmosphere</i> , 2020, 11, 273.	2.3	6
118	Sources, frequency, and chemical nature of dust events impacting the United States East Coast. <i>Atmospheric Environment</i> , 2020, 231, 117456.	4.1	22
119	PM _{2.5} pollution in China's Guanzhong Basin and the USA's San Joaquin Valley mega-regions. <i>Faraday Discussions</i> , 2021, 226, 255-289.	3.2	5
120	An evaluation of source apportionment of fine OC and PM _{2.5} by multiple methods: APHH-Beijing campaigns as a case study. <i>Faraday Discussions</i> , 2021, 226, 290-313.	3.2	12
121	Spatial distribution of fine and coarse particulate matter during a southwest monsoon in Peninsular Malaysia. <i>Chemosphere</i> , 2021, 262, 127767.	8.2	23
122	Credibility and statistical characteristics of CAMSRA and MERRA-2 AOD reanalysis products over the Sichuan Basin during 2003-2018. <i>Atmospheric Environment</i> , 2021, 244, 117980.	4.1	23
123	Review of online source apportionment research based on observation for ambient particulate matter. <i>Science of the Total Environment</i> , 2021, 762, 144095.	8.0	21
124	Plasma-based technique applied to the determination of 21 elements in ten size fractions of atmospheric aerosols. <i>Microchemical Journal</i> , 2021, 160, 105736.	4.5	4
125	Formation of droplet-mode secondary inorganic aerosol dominated the increased PM _{2.5} during both local and transport haze episodes in Zhengzhou, China. <i>Chemosphere</i> , 2021, 269, 128744.	8.2	14
126	Chemical composition and source attribution of PM _{2.5} and PM ₁₀ in Delhi-National Capital Region (NCR) of India: results from an extensive seasonal campaign. <i>Journal of Atmospheric Chemistry</i> , 2021, 78, 35-58.	3.2	13

#	ARTICLE	IF	CITATIONS
127	Particulate matter emission sources and meteorological parameters combine to shape the airborne bacteria communities in the Ligurian coast, Italy. <i>Scientific Reports</i> , 2021, 11, 175.	3.3	6
128	PM2.5 and Trace Elements in Underground Shopping Districts in the Seoul Metropolitan Area, Korea. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 297.	2.6	11
129	Evaluations of Surface PM10 Concentration and Chemical Compositions in MERRA-2 Aerosol Reanalysis over Central and Eastern China. <i>Remote Sensing</i> , 2021, 13, 1317.	4.0	9
130	Decreasing concentrations of carbonaceous aerosols in China from 2003 to 2013. <i>Scientific Reports</i> , 2021, 11, 5352.	3.3	8
131	Strong link between coronavirus count and bad air: a case study of India. <i>Environment, Development and Sustainability</i> , 2021, 23, 16632-16645.	5.0	33
132	Source identification and exposure assessment to PM10 in the Eastern Carpathians, Romania. <i>Journal of Atmospheric Chemistry</i> , 2021, 78, 77-97.	3.2	3
133	Impact of Municipal, Road Traffic, and Natural Sources on PM10: The Hourly Variability at a Rural Site in Poland. <i>Energies</i> , 2021, 14, 2654.	3.1	5
134	Source apportionment of fine organic carbon at an urban site of Beijing using a chemical mass balance model. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 7321-7341.	4.9	23
135	Improving Predictions of Indoor Aerosol Concentrations of Outdoor Origin by Considering the Phase Change of Semivolatile Material Driven by Temperature and Mass-Loading Gradients. <i>Environmental Science & Technology</i> , 2021, 55, 9000-9011.	10.0	10
136	Monitoring of air pollutants using a stratospheric balloon. , 2021, , .		1
137	Improved estimation of PM2.5 brown carbon contributions to filter light attenuation. <i>Particuology</i> , 2021, 56, 1-9.	3.6	10
138	Impact of various air mass types on cloud condensation nuclei concentrations along coastal southeast Florida. <i>Atmospheric Environment</i> , 2021, 254, 118371.	4.1	10
139	Chemical source profiles of fine particles for five different sources in Delhi. <i>Chemosphere</i> , 2021, 274, 129913.	8.2	25
140	Wintertime chemical characteristics of aerosol and their role in light extinction during clear and polluted days in rural Indo Gangetic plain. <i>Environmental Pollution</i> , 2021, 282, 117034.	7.5	19
141	Comparative analysis of the chemical characteristics and sources of fine atmospheric particulate matter (PM2.5) at two sites in Changzhou, China. <i>Atmospheric Pollution Research</i> , 2021, 12, 101124.	3.8	12
142	Impact of different sources on the oxidative potential of ambient particulate matter PM10 in Riyadh, Saudi Arabia: A focus on dust emissions. <i>Science of the Total Environment</i> , 2022, 806, 150590.	8.0	18
143	Measurement report: Receptor modeling for source identification of urban fine and coarse particulate matter using hourly elemental composition. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14471-14492.	4.9	7
144	Chemiluminescent fingerprints from airborne particulate matter: A luminol-based assay for the characterization of oxidative potential with kinetical implications. <i>Science of the Total Environment</i> , 2021, 789, 148005.	8.0	3

#	ARTICLE	IF	CITATIONS
145	High contribution of vehicle emissions to fine particulate pollutions in Lanzhou, Northwest China based on high-resolution online data source appointment. <i>Science of the Total Environment</i> , 2021, 798, 149310.	8.0	26
146	Influence of local meteorology on the chemical characteristics of fine particulates in Metropolitan Manila in the Philippines. <i>Atmospheric Pollution Research</i> , 2020, 11, 1359-1369.	3.8	12
147	Source Apportionment: Principles and Methods. <i>Issues in Environmental Science and Technology</i> , 2016, , 72-125.	0.4	14
148	Chemical Characterization and Seasonality of Ambient Particles (PM _{2.5}) in the City Centre of Addis Ababa. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6998.	2.6	16
149	Chemical Characterization and Source Apportionment of PM _{2.5} in Rabigh, Saudi Arabia. <i>Aerosol and Air Quality Research</i> , 2016, 16, 3114-3129.	2.1	34
150	Evaluation of PM _{2.5} Surface Concentrations Simulated by Version 1 of NASA's MERRA Aerosol Reanalysis over Israel and Taiwan. <i>Aerosol and Air Quality Research</i> , 2017, 17, 253-261.	2.1	34
151	China Source Profile Shared Service (CSPSS): The Chinese PM _{2.5} Database for Source Profiles. <i>Aerosol and Air Quality Research</i> , 2017, 17, 1501-1514.	2.1	24
152	Chemical Characteristics and Source Apportionment by Two Receptor Models of Size-segregated Aerosols in an Emerging Megacity in China. <i>Aerosol and Air Quality Research</i> , 2018, 18, 1375-1390.	2.1	13
153	Analysis of functional groups in atmospheric aerosols by infrared spectroscopy: method development for probabilistic modeling of organic carbon and organic matter concentrations. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 1517-1538.	3.1	9
154	Development and application of a mass closure PM _{2.5} composition online monitoring system. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5407-5422.	3.1	15
155	Biomass Burning Over the United States East Coast and Western North Atlantic Ocean: Implications for Clouds and Air Quality. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034916.	3.3	10
156	Aerosol Loading and Radiation Budget Perturbations in Densely Populated and Highly Polluted Indo-Gangetic Plain by COVID-19: Influences on Cloud Properties and Air Temperature. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093796.	4.0	14
157	Chemical Mass Composition of Ambient Aerosol over Jeju City. <i>Journal of Environmental Science International</i> , 2020, 29, 495-506.	0.2	1
159	Characteristics, sources and health risk assessment of PM _{2.5} in China's coal and coking heartland: Insights gained from the regional observations during the heating season. <i>Atmospheric Pollution Research</i> , 2021, 12, 101237.	3.8	10
160	Characterization of temporal PM _{2.5} , nitrate, and sulfate using deep learning techniques. <i>Atmospheric Pollution Research</i> , 2022, 13, 101260.	3.8	11
161	A machine learning model for predicting PM _{2.5} and nitrate concentrations based on long-term water-soluble inorganic salts datasets at a road site station. <i>Chemosphere</i> , 2022, 289, 133123.	8.2	12
162	Combination of PM optical and chemical properties to estimate the contribution of non-BC absorbers to light absorption at a remote site. <i>Atmospheric Research</i> , 2022, 268, 106000.	4.1	0
163	An online technology for effectively monitoring inorganic condensable particulate matter emitted from industrial plants. <i>Journal of Hazardous Materials</i> , 2022, 428, 128221.	12.4	9

#	ARTICLE	IF	CITATIONS
164	Spatial Characteristics of PM1 Aerosol Chemical Composition over the Greater Athens Area. Environmental Sciences Proceedings, 2021, 4, 7.	0.3	0
165	Estimation of Atmospheric Dry and Wet Deposition of Particulate Elements at Four Monitoring Sites in the Canadian Athabasca Oil Sands Region. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	6
166	Effect of aerosol sampling conditions on PM2.5 sampling accuracy. Journal of Aerosol Science, 2022, 162, 105968.	3.8	4
167	Online Chemical Characterization and Sources of Submicron Aerosol in the Major Mediterranean Port City of Piraeus, Greece. Atmosphere, 2021, 12, 1686.	2.3	7
168	Significant contribution of secondary particulate matter to recurrent air pollution: Evidence from in situ observation in the most polluted city of Fen-Wei Plain of China. Journal of Environmental Sciences, 2022, 114, 422-433.	6.1	5
169	Carbonaceous aerosols in five European cities: Insights into primary emissions and secondary particle formation. Atmospheric Research, 2022, 274, 106180.	4.1	6
170	Assessment of the link between atmospheric dispersion and chemical composition of PM10 at 2-h time resolution. Chemosphere, 2022, 298, 134272.	8.2	0
171	Chemical profiles of PM2.5 emitted from various anthropogenic sources of the Eastern Mediterranean: Cooking, wood burning, and diesel generators. Environmental Research, 2022, 211, 113032.	7.5	14
172	Partitioning of NH3-NH4+ in the Southeastern U.S.. Atmosphere, 2021, 12, 1681.	2.3	2
173	Insights into aerosol chemical composition and optical properties at Lulin Atmospheric Background Station (2862 m asl) during two contrasting seasons. Science of the Total Environment, 2022, 834, 155291.	8.0	4
174	Sources and uncertainties of health risks for PM2.5-bound heavy metals based on synchronous online and offline filter-based measurements in a Chinese megacity. Environment International, 2022, 164, 107236.	10.0	9
175	Understanding the Sources of Ambient Fine Particulate Matter (PM2.5) in Jeddah, Saudi Arabia. Atmosphere, 2022, 13, 711.	2.3	2
176	Characterization of carbonaceous substances emitted from residential solid fuel combustion using real-world data from the Beijing-Tianjin-Hebei region. Science of the Total Environment, 2022, 837, 155529.	8.0	5
177	Fine Particulate Pollution Driven by Nitrogen Dioxide and Ozone in the Moisture Urban Atmospheric Environment in Pearl River Delta Region of South China. SSRN Electronic Journal, 0, , .	0.4	0
178	Measurement report: The importance of biomass burning in light extinction and direct radiative effect of urban aerosol during the COVID-19 lockdown in Xi'an, China. Atmospheric Chemistry and Physics, 2022, 22, 8369-8384.	4.9	3
179	Understanding aerosol composition in a tropical inter-Andean valley impacted by agro-industrial and urban emissions. Atmospheric Chemistry and Physics, 2022, 22, 8473-8495.	4.9	8
180	Changes in physical and chemical properties of urban atmospheric aerosols and ozone during the COVID-19 lockdown in a semi-arid region. Atmospheric Environment, 2022, 287, 119270.	4.1	7
181	Indoor PM10 in university classrooms: Chemical composition and source behaviour. Atmospheric Environment, 2022, 287, 119260.	4.1	2

#	ARTICLE	IF	CITATIONS
182	Comprehensive chemical characterization of PM _{2.5} in the large East Mediterranean-Middle East city of Beirut, Lebanon. <i>Journal of Environmental Sciences</i> , 2023, 133, 118-137.	6.1	7
183	Evaluation of organic aerosol filter sampling artefacts and implications to gravimetric PM _{2.5} mass at a COALESCE network site - Bhopal, India. <i>Journal of Environmental Management</i> , 2022, 319, 115749.	7.8	5
184	Fine Particulate Pollution Driven by Nitrate in the Moisture Urban Atmospheric Environment in Pearl River Delta Region of South China. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
185	Spatial heterogeneity in boundary layer dynamism and PM _{2.5} surface concentration over the complex terrain of Brahmaputra valley. <i>Remote Sensing Applications: Society and Environment</i> , 2022, 28, 100828.	1.5	0
186	Five-year Ground-based Observation Trend of PM _{2.5} and PM ₁₀ , and Comparison with MERRA-2 Data over India. <i>Asian Journal of Atmospheric Environment</i> , 2022, 16, 12-33.	1.1	2
187	A Global Scale Mineral Dust Equation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	3
188	Aerosols in Northern Morocco-2: Chemical Characterization and PMF Source Apportionment of Ambient PM _{2.5} . <i>Atmosphere</i> , 2022, 13, 1701.	2.3	6
189	Review of Filters for Air Sampling and Chemical Analysis in Mining Workplaces. <i>Minerals (Basel)</i> , Tj ETQq1 1 0.784314 rgBT /Qverlock 10	2.0	3
190	Factors influencing aerosol and precipitation ion chemistry in urban background of Moscow megacity. <i>Atmospheric Environment</i> , 2023, 294, 119458.	4.1	7
191	Identifying and quantifying PM _{2.5} pollution episodes with a fusion method of moving window technique and constrained Positive Matrix Factorization. <i>Environmental Pollution</i> , 2022, 315, 120382.	7.5	4
192	Potential influence of fine aerosol chemistry on the optical properties in a semi-arid region. <i>Environmental Research</i> , 2023, 216, 114678.	7.5	8
193	Fine particulate pollution driven by nitrate in the moisture urban atmospheric environment in the Pearl River Delta region of south China. <i>Journal of Environmental Management</i> , 2023, 326, 116704.	7.8	3
194	Atmospheric Abundance of PM _{2.5} Carbonaceous Matter and Their Potential Sources at Three High-Altitude Glacier Sites over the Indian Himalayan Range. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 2919-2928.	2.7	4
195	Evidence of non-tailpipe emission contributions to PM _{2.5} and PM ₁₀ near southern California highways. <i>Environmental Pollution</i> , 2023, 317, 120691.	7.5	5
196	Small contributions of dust to PM _{2.5} and PM ₁₀ concentrations measured downwind of Oceano Dunes. <i>Atmospheric Environment</i> , 2023, 294, 119515.	4.1	5
197	Spatiotemporal differences on the real-time physicochemical characteristics of PM _{2.5} particles in four Northeast Asian countries during Winter and Summer 2020â€“2021. <i>Atmospheric Research</i> , 2023, 283, 106581.	4.1	4
198	Correlation analysis of multi-angle simultaneous polarization measurements with the concentration of suspended atmospheric particles. , 2023, , .		0
199	Real-world emission for in-use non-road construction machinery in Wuhan, China. <i>Environmental Science and Pollution Research</i> , 2023, 30, 46414-46425.	5.3	1

#	ARTICLE	IF	CITATIONS
200	Characterization and Source Apportionment of PM in Handan—A Case Study during the COVID-19. Atmosphere, 2023, 14, 680.	2.3	0
201	Nighttime—daytime PM ₁₀ source apportionment and toxicity in a remoteness inland city of the Iberian Peninsula. Atmospheric Environment, 2023, 303, 119771.	4.1	4
202	Source apportionment and potential source regions of size-resolved particulate matter at a heavily polluted industrial city in the Indo-Gangetic Plain. Atmospheric Environment, 2023, 298, 119614.	4.1	10
203	PM ₁₀ Resuspension of Road Dust in Different Types of Parking Lots: Emissions, Chemical Characterisation and Ecotoxicity. Atmosphere, 2023, 14, 305.	2.3	6
204	Chemical composition and potential sources of PM _{2.5} in Hanoi. Atmospheric Environment, 2023, 299, 119650.	4.1	8
205	Airborne particulate matter in Southeast Asia: a review on variation, chemical compositions and source apportionment. Environmental Chemistry, 2023, 19, 401-431.	1.5	0
206	Determination of atmospheric aerosol components in an urban area to evaluate the air quality and identify the sources of contamination. Journal of Radioanalytical and Nuclear Chemistry, 0, , .	1.5	1
207	Interannual evolution of the chemical composition, sources and processes of PM _{2.5} in Chengdu, China: Insights from observations in four winters. Journal of Environmental Sciences, 2024, 138, 32-45.	6.1	5
208	Quantifying the Source Attribution of PM ₁₀ Measured Downwind of the Oceano Dunes State Vehicular Recreation Area. Atmosphere, 2023, 14, 718.	2.3	0
209	Insight into the contributions of primary emissions of sulfate, nitrate, and ammonium from residential solid fuels to ambient PM _{2.5} . Atmospheric Research, 2023, 290, 106790.	4.1	0
210	Exploring Sources and Health Risks in Beijing PM _{2.5} in 2019 and 2020. Atmosphere, 2023, 14, 1060.	2.3	0
211	Maritime and coastal observations of ambient PM _{2.5} and its elemental compositions in the Bohai Bay of China during spring and summer: Levels, spatial distribution and source apportionment. Atmospheric Research, 2023, 293, 106897.	4.1	4
212	Spatiotemporal analysis of fine particulate matter for India (1980—2021) from MERRA-2 using ensemble machine learning. Atmospheric Pollution Research, 2023, 14, 101834.	3.8	1
213	An assessment of four decades atmospheric PM _{2.5} trends in urban locations over Southern Africa using MERRA-2 reanalysis. Air Quality, Atmosphere and Health, 0, , .	3.3	0
214	Real world emission characteristics of Chinese fleet and the current situation of underestimated ship emissions. Journal of Cleaner Production, 2023, 418, 138107.	9.3	1
216	High-time-resolution chemical composition and source apportionment of PM _{2.5} in northern Chinese cities: implications for policy. Atmospheric Chemistry and Physics, 2023, 23, 9455-9471.	4.9	4
217	Surface Radiative Forcing as a Climate-Change Indicator in North India due to the Combined Effects of Dust and Biomass Burning. Fire, 2023, 6, 365.	2.8	0
219	A PM ₁₀ chemically characterized nation-wide dataset for Italy. Geographical influence on urban air pollution and source apportionment. Science of the Total Environment, 2024, 908, 167891.	8.0	1

#	ARTICLE	IF	CITATIONS
220	Seasonal variations of metals and metalloids in atmospheric particulate matter (PM _{2.5}) in the urban megacity Hanoi. <i>Atmospheric Pollution Research</i> , 2024, 15, 101961.	3.8	1
221	Comparative source apportionment of PM _{2.5} for 2014/2019 at a plateau city: Implications for air quality improvement in high-altitude areas. <i>Atmospheric Pollution Research</i> , 2024, 15, 101964.	3.8	0
222	Source Apportionment and Analysis of Spatial Representativeness of Fine Particle Pollution for an Urban Residential Area in Lucknow, India. <i>Environmental Engineering Science</i> , 2023, 40, 678-688.	1.6	1
223	Spatiotemporal trends in PM _{2.5} chemical composition in the conterminous U.S. during 2006–2020. <i>Atmospheric Environment</i> , 2024, 316, 120188.	4.1	0
224	Response of surface ozone to atmospheric aerosol absorption is more sensitive than to scattering in a semi-arid region. <i>Atmospheric Environment</i> , 2024, 316, 120172.	4.1	2
225	Effect of industrialization on the differences in sources and composition of ambient PM _{2.5} in two Southern Ontario locations. <i>Environmental Pollution</i> , 2024, 341, 123007.	7.5	0
226	Significantly alleviated PM _{2.5} pollution in cold seasons in the Beijing-Tianjin-Hebei and surrounding area: Insights from regional observation. <i>Atmospheric Research</i> , 2024, 298, 107136.	4.1	0
227	Spatiotemporal empirical analysis of particulate matter PM _{2.5} pollution and air quality index (AQI) trends in Africa using MERRA-2 reanalysis datasets (1980–2021). <i>Science of the Total Environment</i> , 2024, 912, 169027.	8.0	0
228	Dust Under the Radar: Rethinking How to Evaluate the Impacts of Dust Events on Air Quality in the United States. <i>GeoHealth</i> , 2023, 7, .	4.0	0
229	Isotopic Evidence Unveils Fossil Fuels Contribution to Atmospheric Iodine. <i>Environmental Science & Technology</i> , 2023, 57, 20773-20780.	10.0	1
230	Reduction of Outdoor and Indoor PM _{2.5} Source Contributions via Portable Air Filtration Systems in a Senior Residential Facility in Detroit, Michigan. <i>Toxics</i> , 2023, 11, 1019.	3.7	0
231	Fugitive Dust Associated with Scrap Metal Processing. <i>Environments - MDPI</i> , 2023, 10, 223.	3.3	0
232	Chemically speciated air pollutant emissions from open burning of household solid waste from South Africa. <i>Atmospheric Chemistry and Physics</i> , 2023, 23, 15375-15393.	4.9	0
233	Aerosols in Northern Morocco (Part 3): the application of three complementary approaches towards a better understanding of PM ₁₀ sources. <i>Journal of Atmospheric Chemistry</i> , 2024, 81, .	3.2	0
234	Aerosol Thermodynamics: Nitrate Loss from Regulatory PM _{2.5} Filters in California. , 0, , .		0
235	Oxidative potential of fine particulate matter emitted from traditional and improved biomass cookstoves. <i>Environmental Science Atmospheres</i> , 2024, 4, 202-213.	2.4	0
236	Source profile of PM _{2.5} emissions from different primary sources in the coal capital city Dhanbad, India. <i>Atmospheric Environment: X</i> , 2024, 21, 100235.	1.4	0
237	Sources of atmospheric light-absorbing fine aerosols: Insights from optical source apportionment utilizing measurements made during COVID-19 lockdowns at a COALESCE network site - Bhopal, India. <i>Atmospheric Environment</i> , 2024, 321, 120343.	4.1	0

#	ARTICLE	IF	CITATIONS
238	Source apportionment of suspended particulate matter (PM ₁ , PM _{2.5} and PM ₁₀) collected in road and tram tunnels in Krakow, Poland. <i>Environmental Science and Pollution Research</i> , 2024, 31, 14690-14703.	5.3	0
239	Source apportionment of PM _{2.5} in Montréal, Canada, and health risk assessment for potentially toxic elements. <i>Atmospheric Chemistry and Physics</i> , 2024, 24, 1193-1212.	4.9	0
240	Insights into PM _{2.5} pollution of four small and medium-sized cities in Chinese representative regions: Chemical compositions, sources and health risks. <i>Science of the Total Environment</i> , 2024, 918, 170620.	8.0	0
241	Evaluation of WRF-Chem-simulated meteorology and aerosols over northern India during the severe pollution episode of 2016. <i>Atmospheric Chemistry and Physics</i> , 2024, 24, 2239-2266.	4.9	0
242	Tropical tropospheric aerosol sources and chemical composition observed at high altitude in the Bolivian Andes. <i>Atmospheric Chemistry and Physics</i> , 2024, 24, 2837-2860.	4.9	0
243	Organic tracers in fine and coarse aerosols at an urban Mediterranean site: contribution of biomass burning and biogenic emissions. <i>Environmental Science and Pollution Research</i> , 2024, 31, 25216-25226.	5.3	0
244	Elemental Characterization of Ambient Particulate Matter for a Globally Distributed Monitoring Network: Methodology and Implications. , 2024, 1, 283-293.		0
245	Cs ₃ Cu ₂ I ₅ perovskite nanocrystals embedded in room temperature curable deep eutectic solvents for sensing NH ₃ gas. <i>Journal of Alloys and Compounds</i> , 2024, 986, 174155.	5.5	0