John G. Watson

List of Publications by Year
in descending order

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811 papers	53,581 citations	1371 108 h-index	2953 189 g-index
854 all docs	854 docs citations	854 times ranked	26553 citing authors

#	Article	IF	Citations
1	Airborne transmission of SARS-CoV-2: The world should face the reality. Environment International, 2020, 139, 105730.	10.0	1,247
2	Drivers of improved PM _{2.5} air quality in China from 2013 to 2017. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24463-24469.	7.1	1,193
3	Persistent sulfate formation from London Fog to Chinese haze. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13630-13635.	7.1	1,044
4	The dri thermal/optical reflectance carbon analysis system: description, evaluation and applications in U.S. Air quality studies. Atmospheric Environment Part A General Topics, 1993, 27, 1185-1201.	1.3	1,008
5	How can airborne transmission of COVID-19 indoors be minimised?. Environment International, 2020, 142, 105832.	10.0	933
6	Visibility: Science and Regulation. Journal of the Air and Waste Management Association, 2002, 52, 628-713.	1.9	844
7	Comparison of IMPROVE and NIOSH Carbon Measurements. Aerosol Science and Technology, 2001, 34, 23-34.	3.1	810
8	The IMPROVE_A Temperature Protocol for Thermal/Optical Carbon Analysis: Maintaining Consistency with a Long-Term Database. Journal of the Air and Waste Management Association, 2007, 57, 1014-1023.	1.9	656
9	Severe haze in northern China: A synergy of anthropogenic emissions and atmospheric processes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8657-8666.	7.1	609
10	Black soot and the survival of Tibetan glaciers. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22114-22118.	7.1	606
11	Equivalence of Elemental Carbon by Thermal/Optical Reflectance and Transmittance with Different Temperature Protocols. Environmental Science & Technology, 2004, 38, 4414-4422.	10.0	604
12	Characteristics of carbonaceous aerosol in Pearl River Delta Region, China during 2001 winter period. Atmospheric Environment, 2003, 37, 1451-1460.	4.1	579
13	Fine Particle and Gaseous Emission Rates from Residential Wood Combustion. Environmental Science & Technology, 2000, 34, 2080-2091.	10.0	519
14	PM2.5 chemical source profiles for vehicle exhaust, vegetative burning, geological material, and coal burning in Northwestern Colorado during 1995. Chemosphere, 2001, 43, 1141-1151.	8.2	519
15	Descriptive analysis of PM2.5 and PM10 at regionally representative locations during SJVAQS/AUSPEX. Atmospheric Environment, 1996, 30, 2079-2112.	4.1	517
16	Characterization and source apportionment of atmospheric organic and elemental carbon during fall and winter of 2003 in Xi'an, China. Atmospheric Chemistry and Physics, 2005, 5, 3127-3137.	4.9	497
17	Spatial and seasonal distributions of carbonaceous aerosols over China. Journal of Geophysical Research, 2007, 112, .	3.3	453
18	Source profiles for industrial, mobile, and area sources in the Big Bend Regional Aerosol Visibility and Observational study. Chemosphere, 2004, 54, 185-208.	8.2	447

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19	Review of volatile organic compound source apportionment by chemical mass balance. Atmospheric Environment, 2001, 35, 1567-1584.	4.1	443
20	Temporal and spatial variations of PM2.5 and PM10 aerosol in the Southern California air quality study. Atmospheric Environment, 1994, 28, 2061-2080.	4.1	417
21	Fine Particulate Matter Constituents and Cardiopulmonary Mortality in a Heavily Polluted Chinese City. Environmental Health Perspectives, 2012, 120, 373-378.	6.0	413
22	Remote Sensing of Particulate Pollution from Space: Have We Reached the Promised Land?. Journal of the Air and Waste Management Association, 2009, 59, 645-675.	1.9	411
23	Spatial and seasonal variations of atmospheric organic carbon and elemental carbon in Pearl River Delta Region, China. Atmospheric Environment, 2004, 38, 4447-4456.	4.1	390
24	Winter and Summer PM_{2.5} Chemical Compositions in Fourteen Chinese Cities. Journal of the Air and Waste Management Association, 2012, 62, 1214-1226.	1.9	350
25	The effective variance weighting for least squares calculations applied to the mass balance receptor model. Atmospheric Environment, 1984, 18, 1347-1355.	1.0	315
26	Ammonia emission control in China would mitigate haze pollution and nitrogen deposition, but worsen acid rain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7760-7765.	7.1	308
27	Molecular, Seasonal, and Spatial Distributions of Organic Aerosols from Fourteen Chinese Cities. Environmental Science & Technology, 2006, 40, 4619-4625.	10.0	306
28	Summary of Organic and Elemental Carbon/Black Carbon Analysis Methods and Intercomparisons. Aerosol and Air Quality Research, 2005, 5, 65-102.	2.1	304
29	Ionic composition of TSP and PM2.5 during dust storms and air pollution episodes at Xi'an, China. Atmospheric Environment, 2009, 43, 2911-2918.	4.1	300
30	New insights into PM_{2.5} chemical composition and sources in two major cities in China during extreme haze events using aerosol mass spectrometry. Atmospheric Chemistry and Physics, 2016, 16, 3207-3225.	4.9	300
31	A hybrid ARIMA and artificial neural networks model to forecast particulate matter in urban areas: The case of Temuco, Chile. Atmospheric Environment, 2008, 42, 8331-8340.	4.1	298
32	A review of current knowledge concerning PM_{2.â€‰5} chemical composition, aerosol optical properties and their relationships across China. Atmospheric Chemistry and Physics, 2017, 17, 9485-9518.	4.9	280
33	PM2.5-bound oxygenated PAHs, nitro-PAHs and parent-PAHs from the atmosphere of a Chinese megacity: Seasonal variation, sources and cancer risk assessment. Science of the Total Environment, 2014, 473-474, 77-87.	8.0	272
34	Impacts of aerosol compositions on visibility impairment in Xi'an, China. Atmospheric Environment, 2012, 59, 559-566.	4.1	271
35	New eolian red clay sequence on the western Chinese Loess Plateau linked to onset of Asian desertification about 25 Ma ago. Science China Earth Sciences, 2011, 54, 136-144.	5.2	267
36	Differences in the carbon composition of source profiles for diesel- and gasoline-powered vehicles. Atmospheric Environment, 1994, 28, 2493-2505.	4.1	253

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37	Optical Second-Harmonic Generation with Surface Plasmons in Silver Films. Physical Review Letters, 1974, 33, 1531-1534.	7.8	249
38	Evaluation of the thermal/optical reflectance method for discrimination between char- and soot-EC. Chemosphere, 2007, 69, 569-574.	8.2	249
39	Removal of Indoor Volatile Organic Compounds via Photocatalytic Oxidation: A Short Review and Prospect. Molecules, 2016, 21, 56.	3.8	247
40	Mass reconstruction methods for PM2.5: a review. Air Quality, Atmosphere and Health, 2015, 8, 243-263.	3.3	245
41	Review of PM2.5 and PM10 Apportionment for Fossil Fuel Combustion and Other Sources by the Chemical Mass Balance Receptor Model. Energy & Fuels, 2002, 16, 222-260.	5.1	240
42	Receptor modeling application framework for particle source apportionment. Chemosphere, 2002, 49, 1093-1136.	8.2	238
43	Chemical composition of PM2.5 in an urban environment in Chengdu, China: Importance of springtime dust storms and biomass burning. Atmospheric Research, 2013, 122, 270-283.	4.1	236
44	A keystone microbial enzyme for nitrogen control of soil carbon storage. Science Advances, 2018, 4, eaaq1689.	10.3	234
45	Health Effects of Fine Particulate Air Pollution: Lines that Connect. Journal of the Air and Waste Management Association, 2006, 56, 1368-1380.	1.9	227
46	Global Survey of Antibiotic Resistance Genes in Air. Environmental Science & Technology, 2018, 52, 10975-10984.	10.0	227
47	Characterization of ambient PM2.5 at a pollution hotspot in New Delhi, India and inference of sources. Atmospheric Environment, 2015, 109, 178-189.	4.1	217
48	Roles of N-Vacancies over Porous g-C₃N₄ Microtubes during Photocatalytic NO_x Removal. ACS Applied Materials & Interfaces, 2019, 11, 10651-10662.	8.0	210
49	Changes in air quality related to the control of coronavirus in China: Implications for traffic and industrial emissions. Science of the Total Environment, 2020, 731, 139133.	8.0	208
50	Seasonal Variation of Chemical Species Associated With Short-Term Mortality Effects of PM2.5 in Xiâ€™an, a Central City in China. American Journal of Epidemiology, 2012, 175, 556-566.	3.4	207
51	Source characterization of major emission sources in the Imperial and Mexicali Valleys along the US/Mexico border. Science of the Total Environment, 2001, 276, 33-47.	8.0	205
52	Source Apportionment: Findings from the U.S. Supersites Program. Journal of the Air and Waste Management Association, 2008, 58, 265-288.	1.9	202
53	Impact of biomass burning on haze pollution in the Yangtze River delta, China: a case study in summer 2011. Atmospheric Chemistry and Physics, 2014, 14, 4573-4585.	4.9	198
54	Characterization of PM10 and PM2.5 source profiles for fugitive dust in Hong Kong. Atmospheric Environment, 2003, 37, 1023-1032.	4.1	194

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55	A possible pathway for rapid growth of sulfate during haze days in China. Atmospheric Chemistry and Physics, 2017, 17, 3301-3316.	4.9	193
56	Chemical Mass Balance Source Apportionment of PM10during the Southern California Air Quality Study. Aerosol Science and Technology, 1994, 21, 1-36.	3.1	192
57	Emissions from Laboratory Combustion of Wildland Fuels:Â Emission Factors and Source Profiles. Environmental Science & Technology, 2007, 41, 4317-4325.	10.0	192
58	A paradigm shift to combat indoor respiratory infection. Science, 2021, 372, 689-691.	12.6	192
59	Chemical composition of PM2.5 and PM10 in Mexico City during winter 1997. Science of the Total Environment, 2002, 287, 177-201.	8.0	191
60	Source apportionment of PM2.5 at urban and suburban areas of the Pearl River Delta region, south China - With emphasis on ship emissions. Science of the Total Environment, 2017, 574, 1559-1570.	8.0	182
61	PM10and PM2.5Compositions in California's San Joaquin Valley. Aerosol Science and Technology, 1993, 18, 105-128.	3.1	181
62	Monitoring of particulate matter outdoors. Chemosphere, 2002, 49, 1009-1043.	8.2	179
63	The USEPA/DRI chemical mass balance receptor model, CMB 7.0. Environmental Software, 1990, 5, 38-49.	0.3	178
64	Black carbon relationships with emissions and meteorology in Xi'an, China. Atmospheric Research, 2009, 94, 194-202.	4.1	172
65	A critical evaluation of interlaboratory data on total, elemental, and isotopic carbon in the carbonaceous particle reference material, NIST SRM 1649a. Journal of Research of the National Institute of Standards and Technology, 2002, 107, 279.	1.2	163
66	Aerosol pollution in China: Present and future impact on environment. Particuology, 2009, 7, 426-431.	3.6	161
67	Impact of PM2.5 chemical compositions on aerosol light scattering in Guangzhou â€” the largest megacity in South China. Atmospheric Research, 2014, 135-136, 48-58.	4.1	158
68	Air Pollution and Heart Rate Variability Among the Elderly in Mexico City. Epidemiology, 2003, 14, 521-527.	2.7	157
69	Costimulation of soil glycosidase activity and soil respiration by nitrogen addition. Global Change Biology, 2017, 23, 1328-1337.	9.5	154
70	Lead concentrations in fine particulate matter after the phasing out of leaded gasoline in Xiâ€™an, China. Atmospheric Environment, 2012, 46, 217-224.	4.1	153
71	Polycyclic aromatic hydrocarbons (PAHs) and their derivatives (alkyl-PAHs, oxygenated-PAHs,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 512-520.	8.2	153
72	Severe Pollution in China Amplified by Atmospheric Moisture. Scientific Reports, 2017, 7, 15760.	3.3	151

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73	PM10 source apportionment in California's San Joaquin valley. Atmospheric Environment Part A General Topics, 1992, 26, 3335-3354.	1.3	150
74	Occurrence, gas/particle partitioning and carcinogenic risk of polycyclic aromatic hydrocarbons and their oxygen and nitrogen containing derivatives in Xi'an, central China. Science of the Total Environment, 2015, 505, 814-822.	8.0	150
75	A laboratory resuspension chamber to measure fugitive dust size distributions and chemical compositions. Atmospheric Environment, 1994, 28, 3463-3481.	4.1	149
76	Stable carbon isotopes in aerosols from Chinese cities: Influence of fossil fuels. Atmospheric Environment, 2011, 45, 1359-1363.	4.1	149
77	Brown Carbon Aerosol in Urban Xiâ€™an, Northwest China: The Composition and Light Absorption Properties. Environmental Science & Technology, 2018, 52, 6825-6833.	10.0	149
78	Size-segregated fine particle measurements by chemical species and their impact on visibility impairment in Denver. Atmospheric Environment Part A General Topics, 1991, 25, 1013-1024.	1.3	148
79	Fossil and contemporary fine particulate carbon fractions at 12 rural and urban sites in the United States. Journal of Geophysical Research, 2008, 113, .	3.3	147
80	Characterization of heavy-duty diesel vehicle emissions. Atmospheric Environment, 1994, 28, 731-743.	4.1	144
81	Dicarboxylic acids, ketocarboxylic acids, and dicarbonyls in the urban atmosphere of China. Journal of Geophysical Research, 2007, 112, .	3.3	144
82	Variability of organic and elemental carbon, water soluble organic carbon, and isotopes in Hong Kong. Atmospheric Chemistry and Physics, 2006, 6, 4569-4576.	4.9	142
83	Evaluation of organic markers for chemical mass balance source apportionment at the Fresno Supersite. Atmospheric Chemistry and Physics, 2007, 7, 1741-1754.	4.9	141
84	Seasonal Variations and Evidence for the Effectiveness of Pollution Controls on Water-Soluble Inorganic Species in Total Suspended Particulates and Fine Particulate Matter from Xiâ€™an, China. Journal of the Air and Waste Management Association, 2008, 58, 1560-1570.	1.9	140
85	Emissions of gas- and particle-phase polycyclic aromatic hydrocarbons (PAHs) in the Shing Mun Tunnel, Hong Kong. Atmospheric Environment, 2009, 43, 6343-6351.	4.1	139
86	Quantification of PM_{2.5} organic carbon sampling artifacts in US networks. Atmospheric Chemistry and Physics, 2010, 10, 5223-5239.	4.9	134
87	Evaluation of an in-injection port thermal desorption-gas chromatography/mass spectrometry method for analysis of non-polar organic compounds in ambient aerosol samples. Journal of Chromatography A, 2008, 1200, 217-227.	3.7	133
88	Quality assurance and quality control for thermal/optical analysis of aerosol samples for organic and elemental carbon. Analytical and Bioanalytical Chemistry, 2011, 401, 3141-3152.	3.7	133
89	Similarities and differences in PM10 chemical source profiles for geological dust from the San Joaquin Valley, California. Atmospheric Environment, 2003, 37, 1317-1340.	4.1	131
90	The application of thermal methods for determining chemical composition of carbonaceous aerosols: A review. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 1521-1541.	1.7	131

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91	Differential responses of carbonâ€degrading enzyme activities to warming: Implications for soil respiration. Global Change Biology, 2018, 24, 4816-4826.	9.5	131
92	Receptor Oriented Methods of Air Particulate Source Apportionment. Journal of the Air Pollution Control Association, 1980, 30, 1116-1125.	0.5	130
93	Chemically-speciated on-road PM2.5 motor vehicle emission factors in Hong Kong. Science of the Total Environment, 2010, 408, 1621-1627.	8.0	130
94	PM2.5chemical composition and spatiotemporal variability during the California Regional PM10/PM2.5Air Quality Study (CRPAQS). Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	129
95	Quantifying PM2.5Source Contributions for the San Joaquin Valley with Multivariate Receptor Models. Environmental Science & Technology, 2007, 41, 2818-2826.	10.0	129
96	Sulfate formation is dominated by manganese-catalyzed oxidation of SO2 on aerosol surfaces during haze events. Nature Communications, 2021, 12, 1993.	12.8	128
97	Particulate Air Pollution in Mexico City: A Collaborative Research Project. Journal of the Air and Waste Management Association, 1999, 49, 1221-1229.	1.9	125
98	Source-Specific Health Risk Analysis on Particulate Trace Elements: Coal Combustion and Traffic Emission As Major Contributors in Wintertime Beijing. Environmental Science & Technology, 2018, 52, 10967-10974.	10.0	125
99	Overview of Receptor Model Principles. Journal of the Air Pollution Control Association, 1984, 34, 619-623.	0.5	124
100	Seasonal characteristics and regional transport of PM in Hong Kong. Atmospheric Environment, 2005, 39, 1695-1695.	4.1	124
101	Seasonal variations and sources of mass and chemical composition for PM10 aerosol in Hangzhou, China. Particuology, 2009, 7, 161-168.	3.6	124
102	Chemical composition of fugitive dust emitters in Mexico City. Atmospheric Environment, 2001, 35, 4033-4039.	4.1	123
103	Aerosol light absorption, black carbon, and elemental carbon at the Fresno Supersite, California. Atmospheric Research, 2009, 93, 874-887.	4.1	123
104	Mixing State of Black Carbon Aerosol in a Heavily Polluted Urban Area of China: Implications for Light Absorption Enhancement. Aerosol Science and Technology, 2014, 48, 689-697.	3.1	122
105	Aerosol particles at a highâ€altitude site on the Southeast Tibetan Plateau, China: Implications for pollution transport from South Asia. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,360.	3.3	120
106	Atmospheric levels and cytotoxicity of polycyclic aromatic hydrocarbons and oxygenated-PAHs in PM2.5 in the Beijing-Tianjin-Hebei region. Environmental Pollution, 2017, 231, 1075-1084.	7.5	119
107	Size-differentiated source profiles for fugitive dust in the Chinese Loess Plateau. Atmospheric Environment, 2008, 42, 2261-2275.	4.1	118
108	Inter-annual variability of wintertime PM 2.5 chemical composition in Xi'an, China: Evidences of changing source emissions. Science of the Total Environment, 2016, 545-546, 546-555.	8.0	118

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109	Characterization of airborne carbonate over a site near Asian dust source regions during spring 2002 and its climatic and environmental significance. Journal of Geophysical Research, 2005, 110, .	3.3	117
110	Moisture effects on carbon and nitrogen emission from burning of wildland biomass. Atmospheric Chemistry and Physics, 2010, 10, 6617-6625.	4.9	117
111	Emissions from Charbroiling and Grilling of Chicken and Beef. Journal of the Air and Waste Management Association, 2003, 53, 185-194.	1.9	116
112	Refining temperature measures in thermal/optical carbon analysis. Atmospheric Chemistry and Physics, 2005, 5, 2961-2972.	4.9	114
113	Emission characteristics of carbonaceous particles and trace gases from open burning of crop residues in China. Atmospheric Environment, 2015, 123, 399-406.	4.1	114
114	A wintertime PM2.5 episode at the Fresno, CA, supersite. Atmospheric Environment, 2002, 36, 465-475.	4.1	113
115	Methods to Assess Carbonaceous Aerosol Sampling Artifacts for IMPROVE and Other Long-Term Networks. Journal of the Air and Waste Management Association, 2009, 59, 898-911.	1.9	112
116	Characterizations of volatile organic compounds (VOCs) from vehicular emissions at roadside environment: The first comprehensive study in Northwestern China. Atmospheric Environment, 2017, 161, 1-12.	4.1	112
117	PM2.5 source profiles for black and organic carbon emission inventories. Atmospheric Environment, 2011, 45, 5407-5414.	4.1	111
118	PM2.5 carbonate concentrations at regionally representative Interagency Monitoring of Protected Visual Environment sites. Journal of Geophysical Research, 2002, 107, ICC 6-1-ICC 6-9.	3.3	109
119	Air Pollution Particulate Matter Alters Antimycobacterial Respiratory Epithelium Innate Immunity. Infection and Immunity, 2015, 83, 2507-2517.	2.2	109
120	PM2.5 and PM10-2.5 chemical composition and source apportionment near a Hong Kong roadway. Particuology, 2015, 18, 96-104.	3.6	109
121	Particulate matters emitted from maize straw burning for winter heating in rural areas in Guanzhong Plain, China: Current emission and future reduction. Atmospheric Research, 2017, 184, 66-76.	4.1	109
122	PM2.5 chemical composition in Hong Kong: urban and regional variations. Science of the Total Environment, 2005, 338, 267-281.	8.0	108
123	A budget analysis of the formation of haze in Beijing. Atmospheric Environment, 2015, 100, 25-36.	4.1	106
124	Decreases in elemental carbon and fine particle mass in the United States. Atmospheric Chemistry and Physics, 2011, 11, 4679-4686.	4.9	104
125	Chemical profiles of urban fugitive dust PM2.5 samples in Northern Chinese cities. Science of the Total Environment, 2016, 569-570, 619-626.	8.0	104
126	PM1.0and PM2.5Characteristics in the Roadside Environment of Hong Kong. Aerosol Science and Technology, 2006, 40, 157-165.	3.1	103

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127	Post-depositional enrichment of black soot in snow-pack and accelerated melting of Tibetan glaciers. Environmental Research Letters, 2012, 7, 014022.	5.2	103
128	Effect of heavy haze and aerosol pollution on rice and wheat productions in China. Scientific Reports, 2016, 6, 29612.	3.3	103
129	Seasonal variations and mass closure analysis of particulate matter in Hong Kong. Science of the Total Environment, 2006, 355, 276-287.	8.0	102
130	Evaluation of OC/EC Speciation by Thermal Manganese Dioxide Oxidation and the IMPROVE Method. Journal of the Air and Waste Management Association, 2002, 52, 1333-1341.	1.9	101
131	The IMADA-AVER Boundary Layer Experiment in the Mexico City Area. Bulletin of the American Meteorological Society, 1998, 79, 2497-2508.	3.3	100
132	Will the Circle Be Unbroken: A History of the U.S. National Ambient Air Quality Standards. Journal of the Air and Waste Management Association, 2007, 57, 1151-1163.	1.9	100
133	PM2.5-bound polycyclic aromatic hydrocarbons (PAHs) in Beijing: Seasonal variations, sources, and risk assessment. Journal of Environmental Sciences, 2019, 77, 11-19.	6.1	100
134	Loss of PM_{2.5} Nitrate from Filter Samples in Central California. Journal of the Air and Waste Management Association, 2005, 55, 1158-1168.	1.9	99
135	Chemical Characteristics of Fine Particles (PM₁) from Xi'an, China. Aerosol Science and Technology, 2010, 44, 461-472.	3.1	98
136	Morphological and Elemental Classification of Freshly Emitted Soot Particles and Atmospheric Ultrafine Particles using the TEM/EDS. Aerosol Science and Technology, 2010, 44, 202-215.	3.1	98
137	Measurement of Ultrafine Particle Size Distributions from Coal-, Oil-, and Gas-Fired Stationary Combustion Sources. Journal of the Air and Waste Management Association, 2004, 54, 1494-1505.	1.9	97
138	Particulate-associated potentially harmful elements in urban road dusts in Xiâ€™an, China. Applied Geochemistry, 2008, 23, 835-845.	3.0	97
139	Improved Oxygen Activation over a Carbon/Co₃O₄ Nanocomposite for Efficient Catalytic Oxidation of Formaldehyde at Room Temperature. Environmental Science & Technology, 2021, 55, 4054-4063.	10.0	97
140	Multi-wavelength optical measurement to enhance thermal/optical analysis for carbonaceous aerosol. Atmospheric Measurement Techniques, 2015, 8, 451-461.	3.1	96
141	Variations in PM2.5, TSP, BC, and trace gases (NO2, SO2, and O3) between haze and non-haze episodes in winter over Xi'an, China. Atmospheric Environment, 2015, 112, 64-71.	4.1	96
142	Optical properties and possible sources of brown carbon in PM 2.5 over Xi'an, China. Atmospheric Environment, 2017, 150, 322-330.	4.1	96
143	Emissions of Air Pollutants from Household Stoves:Â Honeycomb Coal versus Coal Cake. Environmental Science & Technology, 2004, 38, 4612-4618.	10.0	95
144	Vehicle-based road dust emission measurement: Iâ€”methods and calibration. Atmospheric Environment, 2003, 37, 4559-4571.	4.1	93

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145	Remote sensing of PM, NO, CO and HC emission factors for on-road gasoline and diesel engine vehicles in Las Vegas, NV. Science of the Total Environment, 2004, 322, 123-137.	8.0	93
146	Correlation ofin VitroCytokine Responses with the Chemical Composition of Soil-Derived Particulate Matter. Environmental Health Perspectives, 2006, 114, 341-349.	6.0	93
147	Evaluation of the thermal/optical reflectance method for quantification of elemental carbon in sediments. Chemosphere, 2007, 69, 526-533.	8.2	93
148	Chemical composition of PM2.5 at an urban site of Chengdu in southwestern China. Advances in Atmospheric Sciences, 2013, 30, 1070-1084.	4.3	93
149	Characterization of Roadside Fine Particulate Carbon and its Eight Fractions in Hong Kong. Aerosol and Air Quality Research, 2006, 6, 106-122.	2.1	93
150	Exposure of City Residents to Carbon Monoxide and Monocyclic Aromatic Hydrocarbons during Commuting Trips in the Paris Metropolitan Area. Journal of the Air and Waste Management Association, 1995, 45, 103-110.	1.9	91
151	Advances in Integrated and Continuous Measurements for Particle Mass and Chemical Composition. Journal of the Air and Waste Management Association, 2008, 58, 141-163.	1.9	91
152	Evolution of PM2.5 Measurements and Standards in the U.S. and Future Perspectives for China. Aerosol and Air Quality Research, 2013, 13, 1197-1211.	2.1	91
153	Characterization of PM 2.5 in Guangzhou, China: uses of organic markers for supporting source apportionment. Science of the Total Environment, 2016, 550, 961-971.	8.0	89
154	Receptor model and emissions inventory source apportionments of nonmethane organic gases in California's San Joaquin valley and San Francisco bay area. Atmospheric Environment, 1995, 29, 3019-3035.	4.1	88
155	Seasonal variations and chemical characteristics of sub-micrometer particles (PM1) in Guangzhou, China. Atmospheric Research, 2012, 118, 222-231.	4.1	88
156	Stronger warming effects on microbial abundances in colder regions. Scientific Reports, 2016, 5, 18032.	3.3	88
157	Surface plasmons in silver filmsâ€"a novel undergraduate experiment. American Journal of Physics, 1975, 43, 630-636.	0.7	87
158	Comparison of Continuous and Filter-Based Carbon Measurements at the Fresno Supersite. Journal of the Air and Waste Management Association, 2006, 56, 474-491.	1.9	86
159	Sources and chemistry of PM10 aerosol in Santa Barbara County, CA. Atmospheric Environment, 1996, 30, 1489-1499.	4.1	85
160	Validation of the Chemical Mass Balance Receptor Model Applied to Hydrocarbon Source Apportionment in the Southern California Air Quality Study. Environmental Science & Technology, 1994, 28, 1633-1649.	10.0	84
161	Chemical Mass Balance Source Apportionment of Lead in House Dust. Environmental Science & Technology, 1998, 32, 108-114.	10.0	84
162	Indoor/outdoor relationships for PM2.5 and associated carbonaceous pollutants at residential homes in Hong Kong - case study. Indoor Air, 2005, 15, 197-204.	4.3	84

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163	Analysis of a Severe Dust Storm Event over China: Application of the WRF-Dust Model. Aerosol and Air Quality Research, 2011, 11, 419-428.	2.1	83
164	Designing monitoring networks to represent outdoor human exposure. Chemosphere, 2002, 49, 961-978.	8.2	82
165	Measuring and modeling black carbon (BC) contamination in the SE Tibetan Plateau. Journal of Atmospheric Chemistry, 2010, 67, 45-60.	3.2	82
166	Typical synoptic situations and their impacts on the wintertime air pollution in the Guanzhong basin, China. Atmospheric Chemistry and Physics, 2016, 16, 7373-7387.	4.9	82
167	Distribution and origin of carbonaceous aerosol over a rural high-mountain lake area, Northern China and its transport significance. Atmospheric Environment, 2008, 42, 2405-2414.	4.1	80
168	Chemical Composition of PM₁₀ and PM_{2.5} Collected at Ground Level and 100 Meters during a Strong Winter-Time Pollution Episode in Xi'an, China. Journal of the Air and Waste Management Association, 2011, 61, 1150-1159.	1.9	77
169	n-Alkanes and polycyclic aromatic hydrocarbons in total suspended particulates from the southeastern Tibetan Plateau: Concentrations, seasonal variations, and sources. Science of the Total Environment, 2014, 470-471, 9-18.	8.0	77
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