

# Judith C Chow

## List of Publications by Year in descending order

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338  
papers

26,069  
citations

4658

85  
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8630

146  
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346  
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346  
docs citations

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times ranked

13302  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Comparison of IMPROVE and NIOSH Carbon Measurements. Aerosol Science and Technology, 2001, 34, 23-34.	3.1	810
3	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
4	Equivalence of Elemental Carbon by Thermal/Optical Reflectance and Transmittance with Different Temperature Protocols. Environmental Science & Technology, 2004, 38, 4414-4422.	10.0	604
5	Measurement Methods to Determine Compliance with Ambient Air Quality Standards for Suspended Particles. Journal of the Air and Waste Management Association, 1995, 45, 320-382.	1.9	571
6	Fine Particle and Gaseous Emission Rates from Residential Wood Combustion. Environmental Science & Technology, 2000, 34, 2080-2091.	10.0	519
7	PM <sub>2.5</sub> 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
8	Descriptive analysis of PM <sub>2.5</sub> and PM <sub>10</sub> at regionally representative locations during SVAQS/AUSPEX. Atmospheric Environment, 1996, 30, 2079-2112.	4.1	517
9	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
10	Review of volatile organic compound source apportionment by chemical mass balance. Atmospheric Environment, 2001, 35, 1567-1584.	4.1	443
11	Results of the "carbon conference" international aerosol carbon round robin test stage I. Atmospheric Environment, 2001, 35, 2111-2121.	4.1	419
12	Temporal and spatial variations of PM <sub>2.5</sub> and PM <sub>10</sub> aerosol in the Southern California air quality study. Atmospheric Environment, 1994, 28, 2061-2080.	4.1	417
13	Health Effects of Organic Aerosols. Inhalation Toxicology, 2008, 20, 257-288.	1.6	413
14	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
15	Winter and Summer PM <sub>2.5</sub> Chemical Compositions in Fourteen Chinese Cities. Journal of the Air and Waste Management Association, 2012, 62, 1214-1226.	1.9	350
16	Emissions of trace gases and aerosols during the open combustion of biomass in the laboratory. Journal of Geophysical Research, 2009, 114, .	3.3	336
17	Characterization of chemical species in PM <sub>2.5</sub> and PM <sub>10</sub> aerosols in Hong Kong. Atmospheric Environment, 2003, 37, 31-39.	4.1	311
18	Summary of Organic and Elemental Carbon/Black Carbon Analysis Methods and Intercomparisons. Aerosol and Air Quality Research, 2005, 5, 65-102.	2.1	304

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19	A hybrid ARIMA and artificial neural networks model to forecast particulate matter in urban areas: The case of Temuco, Chile. <i>Atmospheric Environment</i> , 2008, 42, 8331-8340.	4.1	298
20	Impacts of aerosol compositions on visibility impairment in Xi'an, China. <i>Atmospheric Environment</i> , 2012, 59, 559-566.	4.1	271
21	Evaluation of the thermal/optical reflectance method for discrimination between char- and soot-EC. <i>Chemosphere</i> , 2007, 69, 569-574.	8.2	249
22	Mass reconstruction methods for PM2.5: a review. <i>Air Quality, Atmosphere and Health</i> , 2015, 8, 243-263.	3.3	245
23	Review of PM2.5 and PM10 Apportionment for Fossil Fuel Combustion and Other Sources by the Chemical Mass Balance Receptor Model. <i>Energy &amp; Fuels</i> , 2002, 16, 222-260.	5.1	240
24	Receptor modeling application framework for particle source apportionment. <i>Chemosphere</i> , 2002, 49, 1093-1136.	8.2	238
25	Health Effects of Fine Particulate Air Pollution: Lines that Connect. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 1368-1380.	1.9	227
26	Characterization of ambient PM2.5 at a pollution hotspot in New Delhi, India and inference of sources. <i>Atmospheric Environment</i> , 2015, 109, 178-189.	4.1	217
27	Source characterization of major emission sources in the Imperial and Mexicali Valleys along the US/Mexico border. <i>Science of the Total Environment</i> , 2001, 276, 33-47.	8.0	205
28	Source Apportionment: Findings from the U.S. Supersites Program. <i>Journal of the Air and Waste Management Association</i> , 2008, 58, 265-288.	1.9	202
29	Characterization of PM10 and PM2.5 source profiles for fugitive dust in Hong Kong. <i>Atmospheric Environment</i> , 2003, 37, 1023-1032.	4.1	194
30	Chemical Mass Balance Source Apportionment of PM10 during the Southern California Air Quality Study. <i>Aerosol Science and Technology</i> , 1994, 21, 1-36.	3.1	192
31	Emissions from Laboratory Combustion of Wildland Fuels: Emission Factors and Source Profiles. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4317-4325.	10.0	192
32	Chemical composition of PM2.5 and PM10 in Mexico City during winter 1997. <i>Science of the Total Environment</i> , 2002, 287, 177-201.	8.0	191
33	PM10 and PM2.5 Compositions in California's San Joaquin Valley. <i>Aerosol Science and Technology</i> , 1993, 18, 105-128.	3.1	181
34	Monitoring of particulate matter outdoors. <i>Chemosphere</i> , 2002, 49, 1009-1043.	8.2	179
35	Black carbon relationships with emissions and meteorology in Xi'an, China. <i>Atmospheric Research</i> , 2009, 94, 194-202.	4.1	172
36	Air Pollution and Heart Rate Variability Among the Elderly in Mexico City. <i>Epidemiology</i> , 2003, 14, 521-527.	2.7	157

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37	PM10 source apportionment in California's San Joaquin valley. Atmospheric Environment Part A General Topics, 1992, 26, 3335-3354.	1.3	150
38	A laboratory resuspension chamber to measure fugitive dust size distributions and chemical compositions. Atmospheric Environment, 1994, 28, 3463-3481.	4.1	149
39	Stable carbon isotopes in aerosols from Chinese cities: Influence of fossil fuels. Atmospheric Environment, 2011, 45, 1359-1363.	4.1	149
40	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
41	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
42	Dicarboxylic acids, ketocarboxylic acids and dicarbonyls in the urban roadside area of Hong Kong. Atmospheric Environment, 2006, 40, 3030-3040.	4.1	146
43	Characterization of heavy-duty diesel vehicle emissions. Atmospheric Environment, 1994, 28, 731-743.	4.1	144
44	Dicarboxylic acids, ketocarboxylic acids, and dicarbonyls in the urban atmosphere of China. Journal of Geophysical Research, 2007, 112, .	3.3	144
45	Seasonal variations in elemental carbon aerosol, carbon monoxide and sulfur dioxide: Implications for sources. Geophysical Research Letters, 2001, 28, 1711-1714.	4.0	139
46	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
47	Polycyclic aromatic hydrocarbons (PAHs) and carbonyl compounds in urban atmosphere of Hong Kong. Atmospheric Environment, 2001, 35, 5949-5960.	4.1	138
48	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
49	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
50	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
51	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
52	PM2.5 chemical composition and spatiotemporal variability during the California Regional PM10/PM2.5 Air Quality Study (CRPAQS). Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	129
53	Quantifying PM2.5 Source Contributions for the San Joaquin Valley with Multivariate Receptor Models. Environmental Science & Technology, 2007, 41, 2818-2826.	10.0	129
54	Seasonal characteristics and regional transport of PM in Hong Kong. Atmospheric Environment, 2005, 39, 1695-1695.	4.1	124

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55	Seasonal variations and sources of mass and chemical composition for PM10 aerosol in Hangzhou, China. <i>Particuology</i> , 2009, 7, 161-168.	3.6	124
56	Aerosol light absorption, black carbon, and elemental carbon at the Fresno Supersite, California. <i>Atmospheric Research</i> , 2009, 93, 874-887.	4.1	123
57	Inter-annual variability of wintertime PM 2.5 chemical composition in Xi'an, China: Evidences of changing source emissions. <i>Science of the Total Environment</i> , 2016, 545-546, 546-555.	8.0	118
58	Characterization of airborne carbonate over a site near Asian dust source regions during spring 2002 and its climatic and environmental significance. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	117
59	Emissions from Charbroiling and Grilling of Chicken and Beef. <i>Journal of the Air and Waste Management Association</i> , 2003, 53, 185-194.	1.9	116
60	Emission characteristics of carbonaceous particles and trace gases from open burning of crop residues in China. <i>Atmospheric Environment</i> , 2015, 123, 399-406.	4.1	114
61	A wintertime PM2.5 episode at the Fresno, CA, supersite. <i>Atmospheric Environment</i> , 2002, 36, 465-475.	4.1	113
62	Methods to Assess Carbonaceous Aerosol Sampling Artifacts for IMPROVE and Other Long-Term Networks. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 898-911.	1.9	112
63	PM2.5 source profiles for black and organic carbon emission inventories. <i>Atmospheric Environment</i> , 2011, 45, 5407-5414.	4.1	111
64	PM2.5 carbonate concentrations at regionally representative Interagency Monitoring of Protected Visual Environment sites. <i>Journal of Geophysical Research</i> , 2002, 107, ICC 6-1-ICC 6-9.	3.3	109
65	Air Pollution Particulate Matter Alters Antimycobacterial Respiratory Epithelium Innate Immunity. <i>Infection and Immunity</i> , 2015, 83, 2507-2517.	2.2	109
66	PM2.5 and PM10-2.5 chemical composition and source apportionment near a Hong Kong roadway. <i>Particuology</i> , 2015, 18, 96-104.	3.6	109
67	PM2.5 chemical composition in Hong Kong: urban and regional variations. <i>Science of the Total Environment</i> , 2005, 338, 267-281.	8.0	108
68	Variations in Speciated Emissions from Spark-Ignition and Compression-Ignition Motor Vehicles in California's South Coast Air Basin. <i>Journal of the Air and Waste Management Association</i> , 2007, 57, 705-720.	1.9	105
69	Comparison of Emissions from Wood Combustion. Part 1: Emission Factors and Characteristics from Different Small-Scale Residential Heating Appliances Considering Particulate Matter and Polycyclic Aromatic Hydrocarbon (PAH)-Related Toxicological Potential of Particle-Bound Organic Species. <i>Energy &amp; Fuels</i> , 2012, 26, 6695-6704.	5.1	104
70	Determination of the organic aerosol mass to organic carbon ratio in IMPROVE samples. <i>Chemosphere</i> , 2005, 60, 485-496.	8.2	102
71	Seasonal variations and mass closure analysis of particulate matter in Hong Kong. <i>Science of the Total Environment</i> , 2006, 355, 276-287.	8.0	102
72	Evaluation of OC/EC Speciation by Thermal Manganese Dioxide Oxidation and the IMPROVE Method. <i>Journal of the Air and Waste Management Association</i> , 2002, 52, 1333-1341.	1.9	101

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73	Origins of fine aerosol mass in the Baltimore-Washington corridor: implications from observation, factor analysis, and ensemble air parcel back trajectories. <i>Atmospheric Environment</i> , 2002, 36, 4541-4554.	4.1	100
74	Will the Circle Be Unbroken: A History of the U.S. National Ambient Air Quality Standards. <i>Journal of the Air and Waste Management Association</i> , 2007, 57, 1151-1163.	1.9	100
75	Loss of PM <sub>2.5</sub> Nitrate from Filter Samples in Central California. <i>Journal of the Air and Waste Management Association</i> , 2005, 55, 1158-1168.	1.9	99
76	Morphological and Elemental Classification of Freshly Emitted Soot Particles and Atmospheric Ultrafine Particles using the TEM/EDS. <i>Aerosol Science and Technology</i> , 2010, 44, 202-215.	3.1	98
77	Measurement of Ultrafine Particle Size Distributions from Coal-, Oil-, and Gas-Fired Stationary Combustion Sources. <i>Journal of the Air and Waste Management Association</i> , 2004, 54, 1494-1505.	1.9	97
78	Emissions of Air Pollutants from Household Stoves: A Honeycomb Coal versus Coal Cake. <i>Environmental Science &amp; Technology</i> , 2004, 38, 4612-4618.	10.0	95
79	Correlation of in Vitro Cytokine Responses with the Chemical Composition of Soil-Derived Particulate Matter. <i>Environmental Health Perspectives</i> , 2006, 114, 341-349.	6.0	93
80	Evaluation of the thermal/optical reflectance method for quantification of elemental carbon in sediments. <i>Chemosphere</i> , 2007, 69, 526-533.	8.2	93
81	Characterization of Roadside Fine Particulate Carbon and its Eight Fractions in Hong Kong. <i>Aerosol and Air Quality Research</i> , 2006, 6, 106-122.	2.1	93
82	Advances in Integrated and Continuous Measurements for Particle Mass and Chemical Composition. <i>Journal of the Air and Waste Management Association</i> , 2008, 58, 141-163.	1.9	91
83	Comparison of the MOVES2010a, MOBILE6.2, and EMFAC2007 mobile source emission models with on-road traffic tunnel and remote sensing measurements. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 1134-1149.	1.9	91
84	Evolution of PM <sub>2.5</sub> Measurements and Standards in the U.S. and Future Perspectives for China. <i>Aerosol and Air Quality Research</i> , 2013, 13, 1197-1211.	2.1	91
85	Organic Molecular Compositions and Size Distributions of Chinese Summer and Autumn Aerosols from Nanjing: Characteristic Haze Event Caused by Wheat Straw Burning. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6493-6499.	10.0	90
86	Spatial distribution of PM <sub>2.5</sub> associated organic compounds in central California. <i>Atmospheric Environment</i> , 2006, 40, 290-303.	4.1	89
87	Receptor model and emissions inventory source apportionments of nonmethane organic gases in California's San Joaquin valley and San Francisco bay area. <i>Atmospheric Environment</i> , 1995, 29, 3019-3035.	4.1	88
88	Generation and Characterization of Four Dilutions of Diesel Engine Exhaust for a Subchronic Inhalation Study. <i>Environmental Science &amp; Technology</i> , 2004, 38, 2513-2522.	10.0	87
89	Comparison of Continuous and Filter-Based Carbon Measurements at the Fresno Supersite. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 474-491.	1.9	86
90	Sources and chemistry of PM <sub>10</sub> aerosol in Santa Barbara County, CA. <i>Atmospheric Environment</i> , 1996, 30, 1489-1499.	4.1	85

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91	Analysis of a Summertime PM <sub>2.5</sub> and Haze Episode in the Mid-Atlantic Region. Journal of the Air and Waste Management Association, 2003, 53, 946-956.	1.9	85
92	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
93	Chemical Mass Balance Source Apportionment of Lead in House Dust. Environmental Science & Technology, 1998, 32, 108-114.	10.0	84
94	Designing monitoring networks to represent outdoor human exposure. Chemosphere, 2002, 49, 961-978.	8.2	82
95	Sensitivity of estimated light extinction coefficients to model assumptions and measurement errors. Atmospheric Environment, 1995, 29, 751-766.	4.1	76
96	Comparison and evaluation of in situ and filter carbon measurements at the Fresno Supersite. Journal of Geophysical Research, 2002, 107, ICC 3-1-ICC 3-15.	3.3	74
97	Comparison of Elemental Carbon in Lake Sediments Measured by Three Different Methods and 150-Year Pollution History in Eastern China. Environmental Science & Technology, 2011, 45, 5287-5293.	10.0	74
98	Precautions for in-injection port thermal desorption-gas chromatography/mass spectrometry (TD-GC/MS) as applied to aerosol filter samples. Atmospheric Environment, 2011, 45, 1491-1496.	4.1	74
99	Evaluations of the Chemical Mass Balance Method for Determining Contributions of Gasoline and Diesel Exhaust to Ambient Carbonaceous Aerosols. Journal of the Air and Waste Management Association, 2007, 57, 721-740.	1.9	72
100	Black and Organic Carbon Emission Inventories: Review and Application to California. Journal of the Air and Waste Management Association, 2010, 60, 497-507.	1.9	72
101	Air Quality Measurements from the Fresno Supersite. Journal of the Air and Waste Management Association, 2000, 50, 1321-1334.	1.9	71
102	PM10 measurements at McMurdo Station, Antarctica. Atmospheric Environment, 2001, 35, 1891-1902.	4.1	71
103	Modeling reflectance and transmittance of quartz-fiber filter samples containing elemental carbon particles: Implications for thermal/optical analysis. Journal of Aerosol Science, 2004, 35, 765-780.	3.8	70
104	Source and risk apportionment of selected VOCs and PM2.5 species using partially constrained receptor models with multiple time resolution data. Environmental Pollution, 2015, 205, 121-130.	7.5	68
105	A Biomass Combustion Chamber: Design, Evaluation, and a Case Study of Wheat Straw Combustion Emission Tests. Aerosol and Air Quality Research, 2015, 15, 2104-2114.	2.1	68
106	Improvement of Engine Exhaust Particle Sizer (EEPS) size distribution measurement " II. Engine exhaust particles. Journal of Aerosol Science, 2016, 92, 83-94.	3.8	67
107	Ammonium Nitrate, Nitric Acid, and Ammonia Equilibrium in Wintertime Phoenix, Arizona. Journal of the Air and Waste Management Association, 1994, 44, 405-412.	0.6	66
108	Long-Term Efficiencies of Dust Suppressants to Reduce PM <sub>10</sub> Emissions from Unpaved Roads. Journal of the Air and Waste Management Association, 1999, 49, 3-16.	1.9	66

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109	Comparison of PM <sub>2.5</sub> carbon measurement methods in Hong Kong, China. <i>Environmental Pollution</i> , 2005, 137, 334-344.	7.5	64
110	Air Quality Measurements for the Aerosol Research and Inhalation Epidemiology Study. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 1445-1458.	1.9	64
111	Health Effects of Fine Particulate Air Pollution: Lines that Connect. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 707-708.	1.9	64
112	Characterization of Atmospheric Ammonia over Xi'an, China. <i>Aerosol and Air Quality Research</i> , 2009, 9, 277-289.	2.1	64
113	Analysis of PM <sub>2.5</sub> and PM <sub>10</sub> in the Atmosphere of Mexico City during 2000-2002. <i>Journal of the Air and Waste Management Association</i> , 2004, 54, 786-798.	1.9	63
114	Carbonaceous and Ionic Components of Atmospheric Fine Particles in Beijing and Their Impact on Atmospheric Visibility. <i>Aerosol and Air Quality Research</i> , 2012, 12, 492-502.	2.1	63
115	Chemical mass balance source apportionment for combined PM <sub>2.5</sub> measurements from U.S. non-urban and urban long-term networks. <i>Atmospheric Environment</i> , 2010, 44, 4908-4918.	4.1	61
116	Characteristics of fine particulate non-polar organic compounds in Guangzhou during the 16th Asian Games: Effectiveness of air pollution controls. <i>Atmospheric Environment</i> , 2013, 76, 94-101.	4.1	61
117	Optical Calibration and Equivalence of a Multiwavelength Thermal/Optical Carbon Analyzer. <i>Aerosol and Air Quality Research</i> , 2015, 15, 1145-1159.	2.1	61
118	Evaluation of filter-based aerosol measurements during the 1987 Southern California Air Quality Study. <i>Environmental Monitoring and Assessment</i> , 1994, 30, 49-80.	2.7	60
119	Visibility: Science and Regulation. <i>Journal of the Air and Waste Management Association</i> , 2002, 52, 973-999.	1.9	60
120	Chemical compositions and source identification of PM <sub>2.5</sub> aerosols for estimation of a diesel source surrogate. <i>Science of the Total Environment</i> , 2011, 409, 2642-2651.	8.0	60
121	Multi-year trend in fine and coarse particle mass, carbon, and ions in downtown Tokyo, Japan. <i>Atmospheric Environment</i> , 2006, 40, 2478-2487.	4.1	58
122	Characteristics of carbonaceous particles from residential coal combustion and agricultural biomass burning in China. <i>Atmospheric Pollution Research</i> , 2017, 8, 521-527.	3.8	58
123	Air synthesis review: polycyclic aromatic compounds in the oil sands region. <i>Environmental Reviews</i> , 2018, 26, 430-468.	4.5	58
124	Review of Measurement Methods and Compositions for Ultrafine Particles. <i>Aerosol and Air Quality Research</i> , 2007, 7, 121-173.	2.1	58
125	Funeral Pyres in South Asia: Brown Carbon Aerosol Emissions and Climate Impacts. <i>Environmental Science and Technology Letters</i> , 2014, 1, 44-48.	8.7	57
126	Characterization of PM <sub>2.5</sub> and PM <sub>10</sub> 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



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127	Cross-border transport and spatial variability of suspended particles in Mexicali and California's Imperial Valley. <i>Atmospheric Environment</i> , 2000, 34, 1833-1843.	4.1	55
128	Characterization and seasonal variations of levoglucosan in fine particulate matter in Xi'an, China. <i>Journal of the Air and Waste Management Association</i> , 2014, 64, 1317-1327.	1.9	55
129	An Efficient Multipollutant System for Measuring Real-World Emissions from Stationary and Mobile Sources. <i>Aerosol and Air Quality Research</i> , 2012, 12, 145-160.	2.1	55
130	Separation of brown carbon from black carbon for IMPROVE and Chemical Speciation Network PM <sub>2.5</sub> samples. <i>Journal of the Air and Waste Management Association</i> , 2018, 68, 494-510.	1.9	54
131	PM-10 Exhaust Samples Collected during IM-240 Dynamometer Tests of In-Service Vehicles in Nevada. <i>Environmental Science &amp; Technology</i> , 1997, 31, 75-83.	10.0	53
132	Evaluation of 1047-nm Photoacoustic Instruments and Photoelectric Aerosol Sensors in Source-Sampling of Black Carbon Aerosol and Particle-Bound PAHs from Gasoline and Diesel Powered Vehicles. <i>Environmental Science &amp; Technology</i> , 2005, 39, 5398-5406.	10.0	53
133	Wind erosion potential for fugitive dust sources in the Athabasca Oil Sands Region. <i>Aeolian Research</i> , 2015, 18, 121-134.	2.7	53
134	A neighborhood-scale study of PM <sub>10</sub> source contributions in Rubidoux, California. <i>Atmospheric Environment Part A General Topics</i> , 1992, 26, 693-706.	1.3	51
135	Air pollution effects on fetal and child development: A cohort comparison in China. <i>Environmental Pollution</i> , 2014, 185, 90-96.	7.5	51
136	Decrease of VOC emissions from vehicular emissions in Hong Kong from 2003 to 2015: Results from a tunnel study. <i>Atmospheric Environment</i> , 2018, 177, 64-74.	4.1	51
137	Determination of real-world emission factors of trace metals, EC, OC, BTEX, and semivolatile organic compounds (PAHs, PCBs and PCNs) in a rural tunnel in Bilecik, Turkey. <i>Science of the Total Environment</i> , 2018, 643, 1285-1296.	8.0	51
138	Spatial Differences in Outdoor PM <sub>10</sub> Mass and Aerosol Composition in Mexico City. <i>Journal of the Air and Waste Management Association</i> , 2002, 52, 423-434.	1.9	50
139	Measurement of Both Nonvolatile and Semi-Volatile Fractions of Fine Particulate Matter in Fresno, CA. <i>Aerosol Science and Technology</i> , 2006, 40, 811-826.	3.1	50
140	PM <sub>2.5</sub> emissions and source profiles from open burning of crop residues. <i>Atmospheric Environment</i> , 2017, 169, 229-237.	4.1	50
141	Hyphenation of a carbon analyzer to photo-ionization mass spectrometry to unravel the organic composition of particulate matter on a molecular level. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 3153-3164.	3.7	49
142	Particle emissions from laboratory combustion of wildland fuels: In situ optical and mass measurements. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	48
143	Nanoparticle and Ultrafine Particle Events at the Fresno Supersite. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 417-430.	1.9	48
144	PM <sub>2.5</sub> and PM <sub>10</sub> Mass Measurements in California's San Joaquin Valley. <i>Aerosol Science and Technology</i> , 2006, 40, 796-810.	3.1	48

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145	Effects of Snow Cover and Atmospheric Stability on Winter PM <sub>2.5</sub> Concentrations in Western U.S. Valleys. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 1191-1201.	1.5	48
146	Indoor/Outdoor Relationships for Organic and Elemental Carbon in PM <sub>2.5</sub> at Residential Homes in Guangzhou, China. <i>Aerosol and Air Quality Research</i> , 2012, 12, 902-910.	2.1	48
147	Soil sample collection and analysis for the Fugitive Dust Characterization Study. <i>Atmospheric Environment</i> , 2003, 37, 1163-1173.	4.1	46
148	Chemical Mass Balance. <i>Data Handling in Science and Technology</i> , 1991, , 83-116.	3.1	45
149	Comparability between PM <sub>2.5</sub> and particle light scattering measurements. <i>Environmental Monitoring and Assessment</i> , 2002, 79, 29-45.	2.7	45
150	Particulate carbon measurements in California's San Joaquin Valley. <i>Chemosphere</i> , 2006, 62, 337-348.	8.2	45
151	Filter Processing and Gravimetric Analysis for Suspended Particulate Matter Samples. <i>Aerosol Science and Engineering</i> , 2017, 1, 93-105.	1.9	45
152	Reference Material 8785: Air Particulate Matter on Filter Media. <i>Aerosol Science and Technology</i> , 2005, 39, 173-183.	3.1	44
153	Determinants of personal exposure to fine particulate matter (PM <sub>2.5</sub> ) in adult subjects in Hong Kong. <i>Science of the Total Environment</i> , 2018, 628-629, 1165-1177.	8.0	44
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