

# Leiming Zhang

## List of Publications by Year in descending order

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257  
papers

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times ranked

9768  
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#	ARTICLE	IF	CITATIONS
1	A size-segregated particle dry deposition scheme for an atmospheric aerosol module. <i>Atmospheric Environment</i> , 2001, 35, 549-560.	1.9	966
2	A revised parameterization for gaseous dry deposition in air-quality models. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 2067-2082.	1.9	562
3	Mercury emission and speciation of coal-fired power plants in China. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1183-1192.	1.9	352
4	Quantifying atmospheric nitrogen deposition through a nationwide monitoring network across China. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 12345-12360.	1.9	324
5	Characterization and Source Apportionment of PM <sub>2.5</sub> in an Urban Environment in Beijing. <i>Aerosol and Air Quality Research</i> , 2013, 13, 574-583.	0.9	322
6	PM <sub>2.5</sub> pollution in a megacity of southwest China: source apportionment and implication. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 8679-8699.	1.9	309
7	A review of current knowledge concerning PM <sub>2.5</sub> chemical composition, aerosol optical properties and their relationships across China. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9485-9518.	1.9	280
8	Nitrogen deposition to the United States: distribution, sources, and processes. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 4539-4554.	1.9	256
9	Dry deposition of reactive nitrogen to European ecosystems: a comparison of inferential models across the NitroEurope network. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2703-2728.	1.9	254
10	Chemical composition of PM <sub>2.5</sub> in an urban environment in Chengdu, China: Importance of springtime dust storms and biomass burning. <i>Atmospheric Research</i> , 2013, 122, 270-283.	1.8	236
11	A review of current knowledge concerning dry deposition of atmospheric mercury. <i>Atmospheric Environment</i> , 2009, 43, 5853-5864.	1.9	234
12	Impact of mineral dust on nitrate, sulfate, and ozone in transpacific Asian pollution plumes. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 3999-4012.	1.9	214
13	Modelling gaseous dry deposition in AURAMS: a unified regional air-quality modelling system. <i>Atmospheric Environment</i> , 2002, 36, 537-560.	1.9	202
14	Source apportionment of PM <sub>2.5</sub> at urban and suburban areas of the Pearl River Delta region, south China - With emphasis on ship emissions. <i>Science of the Total Environment</i> , 2017, 574, 1559-1570.	3.9	182
15	Impact of PM <sub>2.5</sub> chemical compositions on aerosol light scattering in Guangzhou "the largest megacity in South China. <i>Atmospheric Research</i> , 2014, 135-136, 48-58.	1.8	158
16	Chemical characterization and source apportionment of PM <sub>2.5</sub> in a semi-arid and petrochemical-industrialized city, Northwest China. <i>Science of the Total Environment</i> , 2016, 573, 1031-1040.	3.9	156
17	Development and validation of a size-resolved particle dry deposition scheme for application in aerosol transport models. <i>Geoscientific Model Development</i> , 2010, 3, 753-769.	1.3	146
18	The use of wind fields in a land use regression model to predict air pollution concentrations for health exposure studies. <i>Atmospheric Environment</i> , 2007, 41, 3453-3464.	1.9	143

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19	On ozone dry deposition with emphasis on non-stomatal uptake and wet canopies. <i>Atmospheric Environment</i> , 2002, 36, 4787-4799.	1.9	141
20	Chemical characteristics and source apportionment of PM <sub>2.5</sub> in Lanzhou, China. <i>Science of the Total Environment</i> , 2017, 601-602, 1743-1752.	3.9	140
21	Seasonal characteristics, formation mechanisms and source origins of PM <sub>2.5</sub> in two megacities in Sichuan Basin, China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 865-881.	1.9	132
22	Uncertainty assessment of current size-resolved parameterizations for below-cloud particle scavenging by rain. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5685-5705.	1.9	131
23	Bi-directional air-surface exchange of atmospheric ammonia: A review of measurements and a development of a big-leaf model for applications in regional-scale air quality models. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	122
24	Litterfall mercury dry deposition in the eastern USA. <i>Environmental Pollution</i> , 2012, 161, 284-290.	3.7	114
25	Mercury transformation and speciation in flue gases from anthropogenic emission sources: a critical review. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2417-2433.	1.9	114
26	Impacts and Effects Indicators of Atmospheric Deposition of Major Pollutants to Various Ecosystems - A Review. <i>Aerosol and Air Quality Research</i> , 2018, 18, 1953-1992.	0.9	114
27	An updated review of atmospheric mercury. <i>Science of the Total Environment</i> , 2020, 707, 135575.	3.9	111
28	Characterization of the size-segregated water-soluble inorganic ions at eight Canadian rural sites. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 7133-7151.	1.9	109
29	Particulate matters emitted from maize straw burning for winter heating in rural areas in Guanzhong Plain, China: Current emission and future reduction. <i>Atmospheric Research</i> , 2017, 184, 66-76.	1.8	109
30	Concentration-weighted trajectory approach to identifying potential sources of speciated atmospheric mercury at an urban coastal site in Nova Scotia, Canada. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6031-6048.	1.9	107
31	Observations of relative humidity effects on aerosol light scattering in the Yangtze River Delta of China. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8439-8454.	1.9	106
32	Present and future nitrogen deposition to national parks in the United States: critical load exceedances. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 9083-9095.	1.9	105
33	Chemical profiles of urban fugitive dust PM <sub>2.5</sub> samples in Northern Chinese cities. <i>Science of the Total Environment</i> , 2016, 569-570, 619-626.	3.9	104
34	Estimating North American background ozone in U.S. surface air with two independent global models: Variability, uncertainties, and recommendations. <i>Atmospheric Environment</i> , 2014, 96, 284-300.	1.9	98
35	Variations in PM <sub>2.5</sub> , TSP, BC, and trace gases (NO <sub>2</sub> , SO <sub>2</sub> , and O <sub>3</sub> ) between haze and non-haze episodes in winter over Xi'an, China. <i>Atmospheric Environment</i> , 2015, 112, 64-71.	1.9	96
36	Optical properties and possible sources of brown carbon in PM <sub>2.5</sub> over Xi'an, China. <i>Atmospheric Environment</i> , 2017, 150, 322-330.	1.9	96

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37	Variability, formation and acidity of water-soluble ions in PM <sub>2.5</sub> in Beijing based on the semi-continuous observations. <i>Atmospheric Research</i> , 2014, 145-146, 1-11.	1.8	94
38	Increasing importance of nitrate formation for heavy aerosol pollution in two megacities in Sichuan Basin, southwest China. <i>Environmental Pollution</i> , 2019, 250, 898-905.	3.7	94
39	Chemical composition of PM <sub>2.5</sub> at an urban site of Chengdu in southwestern China. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 1070-1084.	1.9	93
40	Overview of mercury dry deposition, litterfall, and throughfall studies. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13399-13416.	1.9	91
41	Estimation of speciated and total mercury dry deposition at monitoring locations in eastern and central North America. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 4327-4340.	1.9	86
42	Highly time-resolved characterization of water-soluble inorganic ions in PM <sub>2.5</sub> in a humid and acidic mega city in Sichuan Basin, China. <i>Science of the Total Environment</i> , 2017, 580, 224-234.	3.9	85
43	An intercomparison of the deposition models used in the CASTNET and CAPMoN networks. <i>Atmospheric Environment</i> , 2011, 45, 1337-1346.	1.9	84
44	Identification of Major Sources of Atmospheric NH <sub>3</sub> in an Urban Environment in Northern China During Wintertime. <i>Environmental Science &amp; Technology</i> , 2017, 51, 6839-6848.	4.6	82
45	Atmospheric mercury concentration and chemical speciation at a rural site in Beijing, China: implications of mercury emission sources. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10505-10516.	1.9	81
46	Climate and Vegetation As Primary Drivers for Global Mercury Storage in Surface Soil. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10665-10675.	4.6	81
47	Update of mercury emissions from China's primary zinc, lead and copper smelters, 2000-2010. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 11153-11163.	1.9	80
48	Observation of isoprene hydroxynitrates in the southeastern United States and implications for the fate of NO <sub>x</sub> . <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11257-11272.	1.9	75
49	Uncertainty assessment of source attribution of PM <sub>2.5</sub> and its water-soluble organic carbon content using different biomass burning tracers in positive matrix factorization analysis – a case study in Beijing, China. <i>Science of the Total Environment</i> , 2016, 543, 326-335.	3.9	75
50	Aerosol chemical composition and light scattering during a winter season in Beijing. <i>Atmospheric Environment</i> , 2015, 110, 36-44.	1.9	74
51	Aerosol optical properties and chemical composition apportionment in Sichuan Basin, China. <i>Science of the Total Environment</i> , 2017, 577, 245-257.	3.9	70
52	Effects of urban land expansion on the regional meteorology and air quality of eastern China. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8597-8614.	1.9	69
53	An extended dry deposition model for aerosols onto broadleaf canopies. <i>Journal of Aerosol Science</i> , 2009, 40, 218-240.	1.8	67
54	Evaluation of discrepancy between measured and modelled oxidized mercury species. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4839-4863.	1.9	67

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55	Characterization and source apportionment of aerosol light extinction in Chengdu, southwest China. <i>Atmospheric Environment</i> , 2014, 48, 552-562.	1.9	67
56	Chemical source profiles of urban fugitive dust PM <sub>2.5</sub> samples from 21 cities across China. <i>Science of the Total Environment</i> , 2019, 649, 1045-1053.	3.9	67
57	Description and evaluation of a model of deposition velocities for routine estimates of air pollutant dry deposition over North America. <i>Atmospheric Environment</i> , 1999, 33, 5037-5051.	1.9	66
58	The Estimated Six-Year Mercury Dry Deposition Across North America. <i>Environmental Science &amp; Technology</i> , 2016, 50, 12864-12873.	4.6	64
59	Investigation of Primary and Secondary Particulate Brown Carbon in Two Chinese Cities of Xi'an and Hong Kong in Wintertime. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3803-3813.	4.6	63
60	Numerical studies of aerosol scavenging by low-level, warm stratiform clouds and precipitation. <i>Atmospheric Environment</i> , 2004, 38, 4653-4665.	1.9	62
61	Characteristics and applications of size-segregated biomass burning tracers in China's Pearl River Delta region. <i>Atmospheric Environment</i> , 2015, 49, 290-301.	1.9	62
62	Current understanding of the driving mechanisms for spatiotemporal variations of atmospheric speciated mercury: a review. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12897-12924.	1.9	62
63	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.	1.5	62
64	Overview of receptor-based source apportionment studies for speciated atmospheric mercury. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7877-7895.	1.9	61
65	Evaluation of the Community Multiscale Air Quality (CMAQ) model v5.0 against size-resolved measurements of inorganic particle composition across sites in North America. <i>Geoscientific Model Development</i> , 2015, 8, 2877-2892.	1.3	60
66	Assessment of modeled mercury dry deposition over the Great Lakes region. <i>Environmental Pollution</i> , 2012, 161, 272-283.	3.7	59
67	Domestic and Transboundary Sources of Atmospheric Particulate Bound Mercury in Remote Areas of China: Evidence from Mercury Isotopes. <i>Environmental Science &amp; Technology</i> , 2019, 53, 1947-1957.	4.6	59
68	Review and uncertainty assessment of size-resolved scavenging coefficient formulations for below-cloud snow scavenging of atmospheric aerosols. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10005-10025.	1.9	58
69	Technical Note: An empirical algorithm estimating dry deposition velocity of fine, coarse and giant particles. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3729-3737.	1.9	58
70	Air synthesis review: polycyclic aromatic compounds in the oil sands region. <i>Environmental Reviews</i> , 2018, 26, 430-468.	2.1	58
71	Atmospheric mercury deposition to forests in the eastern USA. <i>Environmental Pollution</i> , 2017, 228, 8-18.	3.7	57
72	Characterization of Atmospheric Organic and Elemental Carbon of PM <sub>2.5</sub> in a Typical Semi-Arid Area of Northeastern China. <i>Aerosol and Air Quality Research</i> , 2012, 12, 792-802.	0.9	56

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73	Cloud Processing of Gases and Aerosols in Air Quality Modeling. <i>Atmosphere</i> , 2011, 2, 567-616.	1.0	55
74	Characteristics of surface ozone at an urban site of Xi'an in Northwest China. <i>Journal of Environmental Monitoring</i> , 2012, 14, 116-126.	2.1	55
75	Fluorescence fingerprinting properties for exploring water-soluble organic compounds in PM <sub>2.5</sub> in an industrial city of northwest China. <i>Atmospheric Environment</i> , 2018, 184, 203-211.	1.9	55
76	Dry deposition of individual nitrogen species at eight Canadian rural sites. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	55
77	Mercury contents in rice and potential health risks across China. <i>Environment International</i> , 2019, 126, 406-412.	4.8	54
78	Diurnal and seasonal variability in size-dependent atmospheric deposition fluxes of polycyclic aromatic hydrocarbons in an urban center. <i>Atmospheric Environment</i> , 2012, 57, 41-48.	1.9	53
79	Development of a new semi-empirical parameterization for below-cloud scavenging of size-resolved aerosol particles by both rain and snow. <i>Geoscientific Model Development</i> , 2014, 7, 799-819.	1.3	53
80	Size distribution and source of black carbon aerosol in urban Beijing during winter haze episodes. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7965-7975.	1.9	53
81	Estimating mercury emissions from a zinc smelter in relation to China's mercury control policies. <i>Environmental Pollution</i> , 2010, 158, 3347-3353.	3.7	52
82	Observation and analysis of near-surface atmospheric aerosol optical properties in urban Beijing. <i>Particuology</i> , 2015, 18, 144-154.	2.0	52
83	Parent, alkylated, oxygenated and nitrated polycyclic aromatic hydrocarbons in PM <sub>2.5</sub> emitted from residential biomass burning and coal combustion: A novel database of 14 heating scenarios. <i>Environmental Pollution</i> , 2021, 268, 115881.	3.7	52
84	Seasonal and diurnal patterns of speciated atmospheric mercury at a coastal-rural and a coastal-urban site. <i>Atmospheric Environment</i> , 2014, 82, 193-205.	1.9	51
85	Sources and gas-particle partitioning of atmospheric parent, oxygenated, and nitrated polycyclic aromatic hydrocarbons in a humid city in southwest China. <i>Atmospheric Environment</i> , 2019, 206, 1-10.	1.9	51
86	Chemical processes in sea-salt chloride depletion observed at a Canadian rural coastal site. <i>Atmospheric Environment</i> , 2012, 46, 189-194.	1.9	49
87	Characteristics and sources of trace elements in PM <sub>2.5</sub> in two megacities in Sichuan Basin of southwest China. <i>Environmental Pollution</i> , 2018, 242, 1577-1586.	3.7	47
88	Spatial and temporal variations of open straw burning based on fire spots in northeast China from 2013 to 2017. <i>Atmospheric Environment</i> , 2021, 244, 117962.	1.9	46
89	Scavenging ratios of polycyclic aromatic compounds in rain and snow in the Athabasca oil sands region. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1421-1434.	1.9	45
90	Control of PM 2.5 in Guangzhou during the 16th Asian Games period: Implication for hazy weather prevention. <i>Science of the Total Environment</i> , 2015, 508, 57-66.	3.9	45

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91	Trends of outdoor air pollution and the impact on premature mortality in the Pearl River Delta region of southern China during 2006–2015. <i>Science of the Total Environment</i> , 2019, 690, 248-260.	3.9	45
92	Characterization of urban amine-containing particles in southwestern China: seasonal variation, source, and processing. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 3245-3255.	1.9	45
93	Characterization of water soluble inorganic ions and their evolution processes during PM <sub>2.5</sub> pollution episodes in a small city in southwest China. <i>Science of the Total Environment</i> , 2019, 650, 2605-2613.	3.9	45
94	A review of current knowledge concerning size-dependent aerosol removal. <i>Particuology: Science and Technology of Particles</i> , 2006, 4, 272-282.	0.4	44
95	Stream Nitrate Responds Rapidly to Decreasing Nitrate Deposition. <i>Ecosystems</i> , 2011, 14, 274-286.	1.6	43
96	Evaluation and Intercomparison of Five North American Dry Deposition Algorithms at a Mixed Forest Site. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 1571-1586.	1.3	43
97	Isotopic Fractionation and Source Appointment of Methylmercury and Inorganic Mercury in a Paddy Ecosystem. <i>Environmental Science &amp; Technology</i> , 2020, 54, 14334-14342.	4.6	43
98	Description and evaluation of a model of deposition velocities for routine estimates of dry deposition over North America. Part II: review of past measurements and model results. <i>Atmospheric Environment</i> , 1999, 33, 5053-5070.	1.9	41
99	Volatile organic compounds emissions from traditional and clean domestic heating appliances in Guanzhong Plain, China: Emission factors, source profiles, and effects on regional air quality. <i>Environment International</i> , 2019, 133, 105252.	4.8	41
100	Atmospheric removal of PM <sub>2.5</sub> by man-made Three Northern Regions Shelter Forest in Northern China estimated using satellite retrieved PM <sub>2.5</sub> concentration. <i>Science of the Total Environment</i> , 2017, 593-594, 713-721.	3.9	40
101	Day–night differences and seasonal variations of chemical species in PM <sub>10</sub> over Xi'an, northwest China. <i>Environmental Science and Pollution Research</i> , 2014, 21, 3697-3705.	2.7	39
102	Methanol Extracted Brown Carbon in PM <sub>2.5</sub> Over Xi'an, China: Seasonal Variation of Optical Properties and Sources Identification. <i>Aerosol Science and Engineering</i> , 2017, 1, 57-65.	1.1	39
103	Aerosol Optical Properties Observed at a Semi-Arid Rural Site in Northeastern China. <i>Aerosol and Air Quality Research</i> , 2012, 12, 503-514.	0.9	39
104	Chemical composition, sources, and deposition fluxes of water-soluble inorganic ions obtained from precipitation chemistry measurements collected at an urban site in northwest China. <i>Journal of Environmental Monitoring</i> , 2012, 14, 3000.	2.1	38
105	Variability of atmospheric ammonia related to potential emission sources in downtown Toronto, Canada. <i>Atmospheric Environment</i> , 2014, 99, 365-373.	1.9	38
106	Stable Mercury Isotope Transition during Postdepositional Decomposition of Biomass in a Forest Ecosystem over Five Centuries. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8739-8749.	4.6	38
107	Factors affecting stomatal uptake of ozone by different canopies and a comparison between dose and exposure. <i>Science of the Total Environment</i> , 2006, 370, 117-132.	3.9	37
108	Characteristics of aerosols and mass closure study at two WMO GAW regional background stations in eastern China. <i>Atmospheric Environment</i> , 2012, 60, 121-131.	1.9	36

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109	Dry deposition of polycyclic aromatic compounds to various land covers in the Athabasca oil sands region. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 1339-1350.	1.3	36
110	Emission reduction effect on PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> by using red mud as additive in clean coal briquetting. <i>Atmospheric Environment</i> , 2020, 223, 117203.	1.9	36
111	Trends in atmospheric ammonia at urban, rural, and remote sites across North America. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11465-11475.	1.9	35
112	Parent, alkylated, oxygenated and nitro polycyclic aromatic hydrocarbons from raw coal chunks and clean coal combustion: Emission factors, source profiles, and health risks. <i>Science of the Total Environment</i> , 2020, 721, 137696.	3.9	35
113	Source-receptor relationships for speciated atmospheric mercury at the remote Experimental Lakes Area, northwestern Ontario, Canada. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1903-1922.	1.9	34
114	Atmospheric nitrogen deposition to forest and estuary environments in the Pearl River Delta region, southern China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 65, 20480.	0.8	34
115	Impact of primary and secondary air supply intensity in stove on emissions of size-segregated particulate matter and carbonaceous aerosols from apple tree wood burning. <i>Atmospheric Research</i> , 2018, 202, 33-39.	1.8	34
116	Is vehicular emission a significant contributor to ammonia in the urban atmosphere?. <i>Atmospheric Environment</i> , 2013, 80, 499-506.	1.9	33
117	A synthesis of research needs for improving the understanding of atmospheric mercury cycling. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9133-9144.	1.9	33
118	Sensitivity of Ozone Dry Deposition to Ecosystem-Atmosphere Interactions: A Critical Appraisal of Observations and Simulations. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1264-1288.	1.9	33
119	Observational evidence of cloud processes contributing to daytime elevated nitrate in an urban atmosphere. <i>Atmospheric Environment</i> , 2018, 186, 209-215.	1.9	32
120	Sources and outflows of atmospheric mercury at Mt. Changbai, northeastern China. <i>Science of the Total Environment</i> , 2019, 663, 275-284.	3.9	32
121	Ambient concentration and dry deposition of major inorganic nitrogen species at two urban sites in Sichuan Basin, China. <i>Environmental Pollution</i> , 2016, 219, 235-244.	3.7	31
122	Contributions of natural and anthropogenic sources to ambient ammonia in the Athabasca Oil Sands and north-western Canada. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2011-2034.	1.9	31
123	Wet deposition and sources of inorganic nitrogen in the Three Gorges Reservoir Region, China. <i>Environmental Pollution</i> , 2018, 233, 520-528.	3.7	31
124	Variations of aerosol size distribution, chemical composition and optical properties from roadside to ambient environment: A case study in Hong Kong, China. <i>Atmospheric Environment</i> , 2017, 166, 234-243.	1.9	31
125	A modified micrometeorological gradient method for estimating O <sub>3</sub> and dry depositions over a forest canopy. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7487-7496.	1.9	30
126	Retrieving historical ambient PM <sub>2.5</sub> concentrations using existing visibility measurements in Xi'an, Northwest China. <i>Atmospheric Environment</i> , 2016, 126, 15-20.	1.9	30



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127	Long-term air concentrations, wet deposition, and scavenging ratios of inorganic ions, HNO <sub>3</sub> and SO <sub>2</sub> and assessment of aerosol and precipitation acidity at Canadian rural locations. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 4711-4730.	1.9	30
128	Deposition Mapping of Polycyclic Aromatic Compounds in the Oil Sands Region of Alberta, Canada and Linkages to Ecosystem Impacts. <i>Environmental Science &amp; Technology</i> , 2018, 52, 12456-12464.	4.6	30
129	Impact of particle number and mass size distributions of major chemical components on particle mass scattering efficiency in urban Guangzhou in southern China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8471-8490.	1.9	30
130	Screening of native low mercury accumulation crops in a mercury-polluted mining region: Agricultural planning to manage mercury risk in farming communities. <i>Journal of Cleaner Production</i> , 2020, 262, 121324.	4.6	30
131	The Roles of N, S, and O in Molecular Absorption Features of Brown Carbon in PM <sub>2.5</sub> in a Typical Semi-Arid Megacity in Northwestern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034791.	1.2	30
132	Investigation of hygroscopic growth effect on aerosol scattering coefficient at a rural site in the southern North China Plain. <i>Science of the Total Environment</i> , 2017, 599-600, 76-84.	3.9	29
133	Toward the improvement of total nitrogen deposition budgets in the United States. <i>Science of the Total Environment</i> , 2019, 691, 1328-1352.	3.9	29
134	Soil mercury pollution caused by typical anthropogenic sources in China: Evidence from stable mercury isotope measurement and receptor model analysis. <i>Journal of Cleaner Production</i> , 2021, 288, 125687.	4.6	29
135	Estimated carbon residence times in three forest ecosystems of eastern China: Applications of probabilistic inversion. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	28
136	Uncertainty Assessment of Gaseous Oxidized Mercury Measurements Collected by Atmospheric Mercury Network. <i>Environmental Science &amp; Technology</i> , 2017, 51, 855-862.	4.6	28
137	Impacts of Aerosol Dry Deposition on Black Carbon Spatial Distributions and Radiative Effects in the Community Atmosphere Model CAM5. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 1150-1171.	1.3	28
138	Atmospheric mercury emissions from two pre-calciner cement plants in Southwest China. <i>Atmospheric Environment</i> , 2019, 199, 177-188.	1.9	28
139	Estimation of contributions of NO <sub>2</sub> and PAN to total atmospheric deposition of oxidized nitrogen across Eastern Canada. <i>Atmospheric Environment</i> , 2005, 39, 7030-7043.	1.9	27
140	Influence of aerosol concentration on precipitation formation in low-level, warm stratiform clouds. <i>Journal of Aerosol Science</i> , 2006, 37, 203-217.	1.8	27
141	Dry deposition fluxes and deposition velocities of seven trace metal species at five sites in central Taiwan – a summary of surrogate surface measurements and a comparison with model estimations. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3405-3417.	1.9	27
142	Measurements of size-fractionated concentration and bulk dry deposition of atmospheric particulate bound mercury. <i>Atmospheric Environment</i> , 2012, 61, 371-377.	1.9	27
143	Evaluation and improvements of two community models in simulating dry deposition velocities for peroxyacetyl nitrate (PAN) over a coniferous forest. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	27
144	Atmospheric deposition of polycyclic aromatic compounds and associated sources in an urban and a rural area of Chongqing, China. <i>Chemosphere</i> , 2017, 187, 78-87.	4.2	27

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