Leiming Zhang

List of Publications by Year
in descending order

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		22153	30922
257	14,230	59	102
papers	citations	h-index	g-index

340	340	340	9768
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A size-segregated particle dry deposition scheme for an atmospheric aerosol module. Atmospheric Environment, 2001, 35, 549-560.	4.1	966
2	A revised parameterization for gaseous dry deposition in air-quality models. Atmospheric Chemistry and Physics, 2003, 3, 2067-2082.	4.9	562
3	Mercury emission and speciation of coal-fired power plants in China. Atmospheric Chemistry and Physics, 2010, 10, 1183-1192.	4.9	352
4	Quantifying atmospheric nitrogen deposition through a nationwide monitoring network across China. Atmospheric Chemistry and Physics, 2015, 15, 12345-12360.	4.9	324
5	Characterization and Source Apportionment of PM2.5 in an Urban Environment in Beijing. Aerosol and Air Quality Research, 2013, 13, 574-583.	2.1	322
6	PM_{2.5} pollution in a megacity of southwest China: source apportionment and implication. Atmospheric Chemistry and Physics, 2014, 14, 8679-8699.	4.9	309
7	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
8	Nitrogen deposition to the United States: distribution, sources, and processes. Atmospheric Chemistry and Physics, 2012, 12, 4539-4554.	4.9	256
9	Dry deposition of reactive nitrogen to European ecosystems: a comparison of inferential models across the NitroEurope network. Atmospheric Chemistry and Physics, 2011, 11, 2703-2728.	4.9	254
10	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
11	A review of current knowledge concerning dry deposition of atmospheric mercury. Atmospheric Environment, 2009, 43, 5853-5864.	4.1	234
12	Impact of mineral dust on nitrate, sulfate, and ozone in transpacific Asian pollution plumes. Atmospheric Chemistry and Physics, 2010, 10, 3999-4012.	4.9	214
13	Modelling gaseous dry deposition in AURAMS: a unified regional air-quality modelling system. Atmospheric Environment, 2002, 36, 537-560.	4.1	202
14	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
15	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
16	Chemical characterization and source apportionment of PM2.5 in a semi-arid and petrochemical-industrialized city, Northwest China. Science of the Total Environment, 2016, 573, 1031-1040.	8.0	156
17	Development and validation of a size-resolved particle dry deposition scheme for application in aerosol transport models. Geoscientific Model Development, 2010, 3, 753-769.	3.6	146
18	The use of wind fields in a land use regression model to predict air pollution concentrations for health exposure studies. Atmospheric Environment, 2007, 41, 3453-3464.	4.1	143

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19	On ozone dry depositionâ€”with emphasis on non-stomatal uptake and wet canopies. Atmospheric Environment, 2002, 36, 4787-4799.	4.1	141
20	Chemical characteristics and source apportionment of PM2.5 in Lanzhou, China. Science of the Total Environment, 2017, 601-602, 1743-1752.	8.0	140
21	Seasonal characteristics, formation mechanisms and source origins of PM_{2.5} in two megacities in Sichuan Basin, China. Atmospheric Chemistry and Physics, 2018, 18, 865-881.	4.9	132
22	Uncertainty assessment of current size-resolved parameterizations for below-cloud particle scavenging by rain. Atmospheric Chemistry and Physics, 2010, 10, 5685-5705.	4.9	131
23	Biâ€directional airâ€surface exchange of atmospheric ammonia: A review of measurements and a development of a bigâ€leaf model for applications in regionalâ€scale airâ€quality models. Journal of Geophysical Research, 2010, 115, .	3.3	122
24	Litterfall mercury dry deposition in the eastern USA. Environmental Pollution, 2012, 161, 284-290.	7.5	114
25	Mercury transformation and speciation in flue gases from anthropogenic emission sources: a critical review. Atmospheric Chemistry and Physics, 2016, 16, 2417-2433.	4.9	114
26	Impacts and Effects Indicators of Atmospheric Deposition of Major Pollutants to Various Ecosystems - A Review. Aerosol and Air Quality Research, 2018, 18, 1953-1992.	2.1	114
27	An updated review of atmospheric mercury. Science of the Total Environment, 2020, 707, 135575.	8.0	111
28	Characterization of the size-segregated water-soluble inorganic ions at eight Canadian rural sites. Atmospheric Chemistry and Physics, 2008, 8, 7133-7151.	4.9	109
29	Particulate matters emitted from maize straw burning for winter heating in rural areas in Guanzhong Plain, China: Current emission and future reduction. Atmospheric Research, 2017, 184, 66-76.	4.1	109
30	Concentration-weighted trajectory approach to identifying potential sources of speciated atmospheric mercury at an urban coastal site in Nova Scotia, Canada. Atmospheric Chemistry and Physics, 2013, 13, 6031-6048.	4.9	107
31	Observations of relative humidity effects on aerosol light scattering in the Yangtze River Delta of China. Atmospheric Chemistry and Physics, 2015, 15, 8439-8454.	4.9	106
32	Present and future nitrogen deposition to national parks in the United States: critical load exceedances. Atmospheric Chemistry and Physics, 2013, 13, 9083-9095.	4.9	105
33	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
34	Estimating North American background ozone in U.S. surface air with two independent global models: Variability, uncertainties, and recommendations. Atmospheric Environment, 2014, 96, 284-300.	4.1	98
35	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
36	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

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37	Variability, formation and acidity of water-soluble ions in PM2.5 in Beijing based on the semi-continuous observations. Atmospheric Research, 2014, 145-146, 1-11.	4.1	94
38	Increasing importance of nitrate formation for heavy aerosol pollution in two megacities in Sichuan Basin, southwest China. Environmental Pollution, 2019, 250, 898-905.	7.5	94
39	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
40	Overview of mercury dry deposition, litterfall, and throughfall studies. Atmospheric Chemistry and Physics, 2016, 16, 13399-13416.	4.9	91
41	Estimation of speciated and total mercury dry deposition at monitoring locations in eastern and central North America. Atmospheric Chemistry and Physics, 2012, 12, 4327-4340.	4.9	86
42	Highly time-resolved characterization of water-soluble inorganic ions in PM2.5 in a humid and acidic mega city in Sichuan Basin, China. Science of the Total Environment, 2017, 580, 224-234.	8.0	85
43	An intercomparison of the deposition models used in the CASTNET and CAPMoN networks. Atmospheric Environment, 2011, 45, 1337-1346.	4.1	84
44	Identification of Major Sources of Atmospheric NH₃ in an Urban Environment in Northern China During Wintertime. Environmental Science & Technology, 2017, 51, 6839-6848.	10.0	82
45	Atmospheric mercury concentration and chemical speciation at a rural site in Beijing, China: implications of mercury emission sources. Atmospheric Chemistry and Physics, 2013, 13, 10505-10516.	4.9	81
46	Climate and Vegetation As Primary Drivers for Global Mercury Storage in Surface Soil. Environmental Science & Technology, 2019, 53, 10665-10675.	10.0	81
47	Update of mercury emissions from China's primary zinc, lead and copper smelters, 2000â€“2010. Atmospheric Chemistry and Physics, 2012, 12, 11153-11163.	4.9	80
48	Observation of isoprene hydroxynitrates in the southeastern United States and implications for the fate of NO_{<i>x</i>}. Atmospheric Chemistry and Physics, 2015, 15, 11257-11272.	4.9	75
49	Uncertainty assessment of source attribution of PM2.5 and its water-soluble organic carbon content using different biomass burning tracers in positive matrix factorization analysis â€” a case study in Beijing, China. Science of the Total Environment, 2016, 543, 326-335.	8.0	75
50	Aerosol chemical composition and light scattering during a winter season in Beijing. Atmospheric Environment, 2015, 110, 36-44.	4.1	74
51	Aerosol optical properties and chemical composition apportionment in Sichuan Basin, China. Science of the Total Environment, 2017, 577, 245-257.	8.0	70
52	Effects of urban land expansion on the regional meteorology and air quality of eastern China. Atmospheric Chemistry and Physics, 2015, 15, 8597-8614.	4.9	69
53	An extended dry deposition model for aerosols onto broadleaf canopies. Journal of Aerosol Science, 2009, 40, 218-240.	3.8	67
54	Evaluation of discrepancy between measured and modelled oxidized mercury species. Atmospheric Chemistry and Physics, 2013, 13, 4839-4863.	4.9	67

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55	Characterization and source apportionment of aerosol light extinction in Chengdu, southwest China. Atmospheric Environment, 2014, 95, 552-562.	4.1	67
56	Chemical source profiles of urban fugitive dust PM2.5 samples from 21 cities across China. Science of the Total Environment, 2019, 649, 1045-1053.	8.0	67
57	Description and evaluation of a model of deposition velocities for routine estimates of air pollutant dry deposition over North America.. Atmospheric Environment, 1999, 33, 5037-5051.	4.1	66
58	The Estimated Six-Year Mercury Dry Deposition Across North America. Environmental Science & Technology, 2016, 50, 12864-12873.	10.0	64
59	Investigation of Primary and Secondary Particulate Brown Carbon in Two Chinese Cities of Xiâ€™an and Hong Kong in Wintertime. Environmental Science & Technology, 2020, 54, 3803-3813.	10.0	63
60	Numerical studies of aerosol scavenging by low-level, warm stratiform clouds and precipitation. Atmospheric Environment, 2004, 38, 4653-4665.	4.1	62
61	Characteristics and applications of size-segregated biomass burning tracers in China's Pearl River Delta region. Atmospheric Environment, 2015, 102, 290-301.	4.1	62
62	Current understanding of the driving mechanisms for spatiotemporal variations of atmospheric speciated mercury: a review. Atmospheric Chemistry and Physics, 2016, 16, 12897-12924.	4.9	62
63	Dry Deposition of Reactive Nitrogen From Satellite Observations of Ammonia and Nitrogen Dioxide Over North America. Geophysical Research Letters, 2018, 45, 1157-1166.	4.0	62
64	Overview of receptor-based source apportionment studies for speciated atmospheric mercury. Atmospheric Chemistry and Physics, 2015, 15, 7877-7895.	4.9	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. Geoscientific Model Development, 2015, 8, 2877-2892.	3.6	60
66	Assessment of modeled mercury dry deposition over the Great Lakes region. Environmental Pollution, 2012, 161, 272-283.	7.5	59
67	Domestic and Transboundary Sources of Atmospheric Particulate Bound Mercury in Remote Areas of China: Evidence from Mercury Isotopes. Environmental Science & Technology, 2019, 53, 1947-1957.	10.0	59
68	Review and uncertainty assessment of size-resolved scavenging coefficient formulations for below-cloud snow scavenging of atmospheric aerosols. Atmospheric Chemistry and Physics, 2013, 13, 10005-10025.	4.9	58
69	Technical Note: An empirical algorithm estimating dry deposition velocity of fine, coarse and giant particles. Atmospheric Chemistry and Physics, 2014, 14, 3729-3737.	4.9	58
70	Air synthesis review: polycyclic aromatic compounds in the oil sands region. Environmental Reviews, 2018, 26, 430-468.	4.5	58
71	Atmospheric mercury deposition to forests in the eastern USA. Environmental Pollution, 2017, 228, 8-18.	7.5	57
72	Characterization of Atmospheric Organic and Elemental Carbon of PM2.5 in a Typical Semi-Arid Area of Northeastern China. Aerosol and Air Quality Research, 2012, 12, 792-802.	2.1	56

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73	Cloud Processing of Gases and Aerosols in Air Quality Modeling. Atmosphere, 2011, 2, 567-616.	2.3	55
74	Characteristics of surface ozone at an urban site of Xi'an in Northwest China. Journal of Environmental Monitoring, 2012, 14, 116-126.	2.1	55
75	Fluorescence fingerprinting properties for exploring water-soluble organic compounds in PM2.5 in an industrial city of northwest China. Atmospheric Environment, 2018, 184, 203-211.	4.1	55
76	Dry deposition of individual nitrogen species at eight Canadian rural sites. Journal of Geophysical Research, 2009, 114, .	3.3	55
77	Mercury contents in rice and potential health risks across China. Environment International, 2019, 126, 406-412.	10.0	54
78	Diurnal and seasonal variability in size-dependent atmospheric deposition fluxes of polycyclic aromatic hydrocarbons in an urban center. Atmospheric Environment, 2012, 57, 41-48.	4.1	53
79	Development of a new semi-empirical parameterization for below-cloud scavenging of size-resolved aerosol particles by both rain and snow. Geoscientific Model Development, 2014, 7, 799-819.	3.6	53
80	Size distribution and source of black carbon aerosol in urban Beijing during winter haze episodes. Atmospheric Chemistry and Physics, 2017, 17, 7965-7975.	4.9	53
81	Estimating mercury emissions from a zinc smelter in relation to Chinaâ€™s mercury control policies. Environmental Pollution, 2010, 158, 3347-3353.	7.5	52
82	Observation and analysis of near-surface atmospheric aerosol optical properties in urban Beijing. Particuology, 2015, 18, 144-154.	3.6	52
83	Parent, alkylated, oxygenated and nitrated polycyclic aromatic hydrocarbons in PM2.5 emitted from residential biomass burning and coal combustion: A novel database of 14 heating scenarios. Environmental Pollution, 2021, 268, 115881.	7.5	52
84	Seasonal and diurnal patterns of speciated atmospheric mercury at a coastal-rural and a coastal-urban site. Atmospheric Environment, 2014, 82, 193-205.	4.1	51
85	Sources and gas-particle partitioning of atmospheric parent, oxygenated, and nitrated polycyclic aromatic hydrocarbons in a humid city in southwest China. Atmospheric Environment, 2019, 206, 1-10.	4.1	51
86	Chemical processes in sea-salt chloride depletion observed at a Canadian rural coastal site. Atmospheric Environment, 2012, 46, 189-194.	4.1	49
87	Characteristics and sources of trace elements in PM2.5 in two megacities in Sichuan Basin of southwest China. Environmental Pollution, 2018, 242, 1577-1586.	7.5	47
88	Spatial and temporal variations of open straw burning based on fire spots in northeast China from 2013 to 2017. Atmospheric Environment, 2021, 244, 117962.	4.1	46
89	Scavenging ratios of polycyclic aromatic compounds in rain and snow in the Athabasca oil sands region. Atmospheric Chemistry and Physics, 2015, 15, 1421-1434.	4.9	45
90	Control of PM 2.5 in Guangzhou during the 16th Asian Games period: Implication for hazy weather prevention. Science of the Total Environment, 2015, 508, 57-66.	8.0	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 2006â€“2015. Science of the Total Environment, 2019, 690, 248-260.	8.0	45
92	Characterization of urban amine-containing particles in southwestern China: seasonal variation, source, and processing. Atmospheric Chemistry and Physics, 2019, 19, 3245-3255.	4.9	45
93	Characterization of water soluble inorganic ions and their evolution processes during PM2.5 pollution episodes in a small city in southwest China. Science of the Total Environment, 2019, 650, 2605-2613.	8.0	45
94	A review of current knowledge concerning size-dependent aerosol removal. Particuology: Science and Technology of Particles, 2006, 4, 272-282.	0.4	44
95	Stream Nitrate Responds Rapidly to Decreasing Nitrate Deposition. Ecosystems, 2011, 14, 274-286.	3.4	43
96	Evaluation and Intercomparison of Five North American Dry Deposition Algorithms at a Mixed Forest Site. Journal of Advances in Modeling Earth Systems, 2018, 10, 1571-1586.	3.8	43
97	Isotopic Fractionation and Source Appointment of Methylmercury and Inorganic Mercury in a Paddy Ecosystem. Environmental Science & Technology, 2020, 54, 14334-14342.	10.0	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. Atmospheric Environment, 1999, 33, 5053-5070.	4.1	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. Environment International, 2019, 133, 105252.	10.0	41
100	Atmospheric removal of PM 2.5 by man-made Three Northern Regions Shelter Forest in Northern China estimated using satellite retrieved PM 2.5 concentration. Science of the Total Environment, 2017, 593-594, 713-721.	8.0	40
101	Dayâ€“night differences and seasonal variations of chemical species in PM10 over Xiâ€™an, northwest China. Environmental Science and Pollution Research, 2014, 21, 3697-3705.	5.3	39
102	Methanol Extracted Brown Carbon in PM2.5 Over Xiâ€™an, China: Seasonal Variation of Optical Properties and Sources Identification. Aerosol Science and Engineering, 2017, 1, 57-65.	1.9	39
103	Aerosol Optical Properties Observed at a Semi-Arid Rural Site in Northeastern China. Aerosol and Air Quality Research, 2012, 12, 503-514.	2.1	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. Journal of Environmental Monitoring, 2012, 14, 3000.	2.1	38
105	Variability of atmospheric ammonia related to potential emission sources in downtown Toronto, Canada. Atmospheric Environment, 2014, 99, 365-373.	4.1	38
106	Stable Mercury Isotope Transition during Postdepositional Decomposition of Biomass in a Forest Ecosystem over Five Centuries. Environmental Science & Technology, 2020, 54, 8739-8749.	10.0	38
107	Factors affecting stomatal uptake of ozone by different canopies and a comparison between dose and exposure. Science of the Total Environment, 2006, 370, 117-132.	8.0	37
108	Characteristics of aerosols and mass closure study at two WMO GAW regional background stations in eastern China. Atmospheric Environment, 2012, 60, 121-131.	4.1	36

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109	Dry deposition of polycyclic aromatic compounds to various land covers in the Athabasca oil sands region. Journal of Advances in Modeling Earth Systems, 2015, 7, 1339-1350.	3.8	36
110	Emission reduction effect on PM2.5, SO2 and NOx by using red mud as additive in clean coal briquetting. Atmospheric Environment, 2020, 223, 117203.	4.1	36
111	Trends in atmospheric ammonia at urban, rural, and remote sites across North America. Atmospheric Chemistry and Physics, 2016, 16, 11465-11475.	4.9	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. Science of the Total Environment, 2020, 721, 137696.	8.0	35
113	Source-receptor relationships for speciated atmospheric mercury at the remote Experimental Lakes Area, northwestern Ontario, Canada. Atmospheric Chemistry and Physics, 2012, 12, 1903-1922.	4.9	34
114	Atmospheric nitrogen deposition to forest and estuary environments in the Pearl River Delta region, southern China. Tellus, Series B: Chemical and Physical Meteorology, 2022, 65, 20480.	1.6	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. Atmospheric Research, 2018, 202, 33-39.	4.1	34
116	Is vehicular emission a significant contributor to ammonia in the urban atmosphere?. Atmospheric Environment, 2013, 80, 499-506.	4.1	33
117	A synthesis of research needs for improving the understanding of atmospheric mercury cycling. Atmospheric Chemistry and Physics, 2017, 17, 9133-9144.	4.9	33
118	Sensitivity of Ozone Dry Deposition to Ecosystemâ€Atmosphere Interactions: A Critical Appraisal of Observations and Simulations. Global Biogeochemical Cycles, 2019, 33, 1264-1288.	4.9	33
119	Observational evidence of cloud processes contributing to daytime elevated nitrate in an urban atmosphere. Atmospheric Environment, 2018, 186, 209-215.	4.1	32
120	Sources and outflows of atmospheric mercury at Mt. Changbai, northeastern China. Science of the Total Environment, 2019, 663, 275-284.	8.0	32
121	Ambient concentration and dry deposition of major inorganic nitrogen species at two urban sites in Sichuan Basin, China. Environmental Pollution, 2016, 219, 235-244.	7.5	31
122	Contributions of natural and anthropogenic sources to ambient ammonia in the Athabasca Oil Sands and north-western Canada. Atmospheric Chemistry and Physics, 2018, 18, 2011-2034.	4.9	31
123	Wet deposition and sources of inorganic nitrogen in the Three Gorges Reservoir Region, China. Environmental Pollution, 2018, 233, 520-528.	7.5	31
124	Variations of aerosol size distribution, chemical composition and optical properties from roadside to ambient environment: A case study in Hong Kong, China. Atmospheric Environment, 2017, 166, 234-243.	4.1	31
125	A modified micrometeorological gradient method for estimating O₃ dry depositions over a forest canopy. Atmospheric Chemistry and Physics, 2015, 15, 7487-7496.	4.9	30
126	Retrieving historical ambient PM2.5 concentrations using existing visibility measurements in Xi'an, Northwest China. Atmospheric Environment, 2016, 126, 15-20.	4.1	30

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127	Long-term air concentrations, wet deposition, and scavenging ratios of inorganic ions, HNO₃, and SO₂ and assessment of aerosol and precipitation acidity at Canadian rural locations. Atmospheric Chemistry and Physics, 2017, 17, 4711-4730.	4.9	30
128	Deposition Mapping of Polycyclic Aromatic Compounds in the Oil Sands Region of Alberta, Canada and Linkages to Ecosystem Impacts. Environmental Science & Technology, 2018, 52, 12456-12464.	10.0	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. Atmospheric Chemistry and Physics, 2019, 19, 8471-8490.	4.9	30
130	Screening of native low mercury accumulation crops in a mercury-polluted mining region: Agricultural planning to manage mercury risk in farming communities. Journal of Cleaner Production, 2020, 262, 121324.	9.3	30
131	The Roles of N, S, and O in Molecular Absorption Features of Brown Carbon in PM_{2.5} in a Typical Semiâ€Arid Megacity in Northwestern China. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034791.	3.3	30
132	Investigation of hygroscopic growth effect on aerosol scattering coefficient at a rural site in the southern North China Plain. Science of the Total Environment, 2017, 599-600, 76-84.	8.0	29
133	Toward the improvement of total nitrogen deposition budgets in the United States. Science of the Total Environment, 2019, 691, 1328-1352.	8.0	29
134	Soil mercury pollution caused by typical anthropogenic sources in China: Evidence from stable mercury isotope measurement and receptor model analysis. Journal of Cleaner Production, 2021, 288, 125687.	9.3	29
135	Estimated carbon residence times in three forest ecosystems of eastern China: Applications of probabilistic inversion. Journal of Geophysical Research, 2010, 115, .	3.3	28
136	Uncertainty Assessment of Gaseous Oxidized Mercury Measurements Collected by Atmospheric Mercury Network. Environmental Science & Technology, 2017, 51, 855-862.	10.0	28
137	Impacts of Aerosol Dry Deposition on Black Carbon Spatial Distributions and Radiative Effects in the Community Atmosphere Model CAM5. Journal of Advances in Modeling Earth Systems, 2018, 10, 1150-1171.	3.8	28
138	Atmospheric mercury emissions from two pre-calciner cement plants in Southwest China. Atmospheric Environment, 2019, 199, 177-188.	4.1	28
139	Estimation of contributions of NO2 and PAN to total atmospheric deposition of oxidized nitrogen across Eastern Canada. Atmospheric Environment, 2005, 39, 7030-7043.	4.1	27
140	Influence of aerosol concentration on precipitation formation in low-level, warm stratiform clouds. Journal of Aerosol Science, 2006, 37, 203-217.	3.8	27
141	Dry deposition fluxes and deposition velocities of seven trace metal species at five sites in central Taiwan â€“ a summary of surrogate surface measurements and a comparison with model estimations. Atmospheric Chemistry and Physics, 2012, 12, 3405-3417.	4.9	27
142	Measurements of size-fractionated concentration and bulk dry deposition of atmospheric particulate bound mercury. Atmospheric Environment, 2012, 61, 371-377.	4.1	27
143	Evaluation and improvements of two community models in simulating dry deposition velocities for peroxyacetyl nitrate (PAN) over a coniferous forest. Journal of Geophysical Research, 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. Chemosphere, 2017, 187, 78-87.	8.2	27

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145	PM2.5 Humic-like substances over Xi'an, China: Optical properties, chemical functional group, and source identification. Atmospheric Research, 2020, 234, 104784.	4.1	27
146	Molecular Absorption and Evolution Mechanisms of PM_{2.5} Brown Carbon Revealed by Electrospray Ionization Fourier Transformâ€“Ion Cyclotron Resonance Mass Spectrometry During a Severe Winter Pollution Episode in Xi'an, China. Geophysical Research Letters, 2020, 47, e2020GL087977.	4.0	27
147	Fish, rice, and human hair mercury concentrations and health risks in typical Hg-contaminated areas and fish-rich areas, China. Environment International, 2021, 154, 106561.	10.0	27
148	On the discrepancies between theoretical and measured below-cloud particle scavenging coefficients for rain â€“ a numerical investigation using a detailed one-dimensional cloud microphysics model. Atmospheric Chemistry and Physics, 2011, 11, 11859-11866.	4.9	26
149	An alternative method for estimating hygroscopic growth factor of aerosol light-scattering coefficient: a case study in an urban area of Guangzhou, South China. Atmospheric Chemistry and Physics, 2014, 14, 7631-7644.	4.9	26
150	Significant influence of fungi on coarse carbonaceous and potassium aerosols in a tropical rainforest. Environmental Research Letters, 2015, 10, 034015.	5.2	26
151	Chemical and optical characteristics of atmospheric aerosols in Beijing during the Asia-Pacific Economic Cooperation China 2014. Atmospheric Environment, 2016, 144, 8-16.	4.1	26
152	Emissions databases for polycyclic aromatic compounds in the Canadian Athabasca oil sands region â€“ development using current knowledge and evaluation with passive sampling and air dispersion modelling data. Atmospheric Chemistry and Physics, 2018, 18, 3457-3467.	4.9	26
153	Levels, sources, isotope signatures, and health risks of mercury in street dust across China. Journal of Hazardous Materials, 2020, 392, 122276.	12.4	26
154	Characteristics, Accumulation, and Potential Health Risks of Antimony in Atmospheric Particulate Matter. ACS Omega, 2021, 6, 9460-9470.	3.5	26
155	An empirical inferential method of estimating nitrogen deposition to Mediterranean-type ecosystems: the San Bernardino Mountains case study. Environmental Pollution, 2015, 203, 69-88.	7.5	25
156	Three-North Shelter Forest Program contribution to long-term increasing trends of biogenic isoprene emissions in northern China. Atmospheric Chemistry and Physics, 2016, 16, 6949-6960.	4.9	25
157	Evaluation of a non-stomatal resistance parameterization for SO2 dry deposition. Atmospheric Environment, 2003, 37, 2941-2947.	4.1	24
158	Observations of biomass burning tracers in PM2.5 at two megacities in North China during 2014 APEC summit. Atmospheric Environment, 2017, 169, 54-64.	4.1	24
159	A comparison of models to estimate in-canopy photosynthetically active radiation and their influence on canopy stomatal resistance. Atmospheric Environment, 2001, 35, 4463-4470.	4.1	23
160	An approach estimating bidirectional airâ€surface exchange for gaseous elemental mercury at AMNet sites. Journal of Advances in Modeling Earth Systems, 2015, 7, 35-49.	3.8	23
161	A synthesis review on atmospheric wet deposition of particulate elements: scavenging ratios, solubility, and flux measurements. Environmental Reviews, 2021, 29, 340-353.	4.5	23
162	A review of spatiotemporal patterns of neonicotinoid insecticides in water, sediment, and soil across China. Environmental Science and Pollution Research, 2022, 29, 55336-55347.	5.3	23

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163	Supermicron modes of ammonium ions related to fog in rural atmosphere. Atmospheric Chemistry and Physics, 2012, 12, 11165-11178.	4.9	22
164	Impact of size distributions of major chemical components in fine particles on light extinction in urban Guangzhou. Science of the Total Environment, 2017, 587-588, 240-247.	8.0	22
165	Corn (Zea mays L.): A low methylmercury staple cereal source and an important biospheric sink of atmospheric mercury, and health risk assessment. Environment International, 2019, 131, 104971.	10.0	22
166	Application of parallel factor analysis model to decompose excitation-emission matrix fluorescence spectra for characterizing sources of water-soluble brown carbon in PM2.5. Atmospheric Environment, 2020, 223, 117192.	4.1	22
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