Xiao-Ye Zhang

List of Publications by Year
in descending order

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148 papers	8,337 citations	41258 49 h-index	53109 85 g-index
150 all docs	150 docs citations	150 times ranked	6333 citing authors

#	Article	IF	Citations
1	Inventory of black carbon and organic carbon emissions from China. Atmospheric Environment, 2006, 40, 6516-6527.	1.9	350
2	Particulate matter pollution over China and the effects of control policies. Science of the Total Environment, 2017, 584-585, 426-447.	3.9	252
3	Highly time- and size-resolved characterization of submicron aerosol particles in Beijing using an Aerodyne Aerosol Mass Spectrometer. Atmospheric Environment, 2010, 44, 131-140.	1.9	242
4	Instrument calibration and aerosol optical depth validation of the China Aerosol Remote Sensing Network. Journal of Geophysical Research, 2009, 114, .	3.3	228
5	Horizontal visibility trends in China 1981â€“2005. Geophysical Research Letters, 2007, 34, .	1.5	206
6	Correlation between PM concentrations and aerosol optical depth in eastern China. Atmospheric Environment, 2009, 43, 5876-5886.	1.9	197
7	Feedback effects of boundary-layer meteorological factors on cumulative explosive growth of PM_{2.5} during winter heavy pollution episodes in Beijing from 2013 to 2016. Atmospheric Chemistry and Physics, 2018, 18, 247-258.	1.9	196
8	Investigation on emission factors of particulate matter and gaseous pollutants from crop residue burning. Journal of Environmental Sciences, 2008, 20, 50-55.	3.2	188
9	Spatio-temporal variation trends of satellite-based aerosol optical depth in China during 1980â€“2008. Atmospheric Environment, 2011, 45, 6802-6811.	1.9	184
10	Air pollutionâ€“aerosol interactions produce more bioavailable iron for ocean ecosystems. Science Advances, 2017, 3, e1601749.	4.7	182
11	Satellite-derived PM2.5 concentration trends over Eastern China from 1998 to 2016: Relationships to emissions and meteorological parameters. Environmental Pollution, 2019, 247, 1125-1133.	3.7	176
12	Large contribution of meteorological factors to inter-decadal changes in regional aerosol optical depth. Atmospheric Chemistry and Physics, 2019, 19, 10497-10523.	1.9	169
13	Estimation of emissions from field burning of crop straw in China. Science Bulletin, 2008, 53, 784-790.	1.7	167
14	Analyses of the spring dust storm frequency of northern China in relation to antecedent and concurrent wind, precipitation, vegetation, and soil moisture conditions. Journal of Geophysical Research, 2004, 109, .	3.3	166
15	Haze trends over the capital cities of 31 provinces in China, 1981â€“2005. Theoretical and Applied Climatology, 2009, 97, 235-242.	1.3	162
16	The impact of meteorological changes from 2013 to 2017 on PM2.5 mass reduction in key regions in China. Science China Earth Sciences, 2019, 62, 1885-1902.	2.3	157
17	Advances in studying interactions between aerosols and monsoon in China. Science China Earth Sciences, 2016, 59, 1-16.	2.3	153
18	æ˜å›½é¾-éœ¾æˆå›åŠå…¶æ²»ç†æ€è€ƒ. Chinese Science Bulletin, 2013, 58, 1178-1187.	0.4	151

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19	Increasing Ammonia Concentrations Reduce the Effectiveness of Particle Pollution Control Achieved via SO₂ and NO_X Emissions Reduction in East China. Environmental Science and Technology Letters, 2017, 4, 221-227.	3.9	142
20	Atmospheric trace elements over source regions for Chinese dust: concentrations, sources and atmospheric deposition on the Loess plateau. Atmospheric Environment Part A General Topics, 1993, 27, 2051-2067.	1.3	139
21	Simulation of direct radiative forcing of aerosols and their effects on East Asian climate using an interactive AGCM-aerosol coupled system. Climate Dynamics, 2012, 38, 1675-1693.	1.7	130
22	Emission inventories of primary particles and pollutant gases for China. Science Bulletin, 2011, 56, 781-788.	1.7	120
23	Relative contributions of boundary-layer meteorological factors to the explosive growth of PM2.5 during the red-alert heavy pollution episodes in Beijing in December 2016. Journal of Meteorological Research, 2017, 31, 809-819.	0.9	115
24	Aerosol optical properties and direct radiative forcing based on measurements from the China Aerosol Remote Sensing Network (CARSNET) in eastern China. Atmospheric Chemistry and Physics, 2018, 18, 405-425.	1.9	113
25	Pathways of sulfate enhancement by natural and anthropogenic mineral aerosols in China. Journal of Geophysical Research D: Atmospheres, 2014, 119, 14,165.	1.2	110
26	Characteristics of visibility and particulate matter (PM) in an urban area of Northeast China. Atmospheric Pollution Research, 2013, 4, 427-434.	1.8	109
27	Impact of Chinaâ€™s Air Pollution Prevention and Control Action Plan on PM2.5 chemical composition over eastern China. Science China Earth Sciences, 2019, 62, 1872-1884.	2.3	105
28	Spatial distribution of aerosol microphysical and optical properties and direct radiative effect from the China Aerosol Remote Sensing Network. Atmospheric Chemistry and Physics, 2019, 19, 11843-11864.	1.9	101
29	The two-way feedback mechanism between unfavorable meteorological conditions and cumulative aerosol pollution in various haze regions of China. Atmospheric Chemistry and Physics, 2019, 19, 3287-3306.	1.9	97
30	Aerosol optical properties under the condition of heavy haze over an urban site of Beijing, China. Environmental Science and Pollution Research, 2015, 22, 1043-1053.	2.7	95
31	Scenario dependence of future changes in climate extremes under 1.5â€‰Â°C and 2â€‰Â°C global warming. Scientific Reports, 2017, 7, 46432.	1.6	91
32	Synergy of satellite and ground based observations in estimation of particulate matter in eastern China. Science of the Total Environment, 2012, 433, 20-30.	3.9	89
33	Chemical composition, source, and process of urban aerosols during winter haze formation in Northeast China. Environmental Pollution, 2017, 231, 357-366.	3.7	89
34	Construction of a virtual PM2.5 observation network in China based on high-density surface meteorological observations using the Extreme Gradient Boosting model. Environment International, 2020, 141, 105801.	4.8	85
35	Significant Changes in Chemistry of Fine Particles in Wintertime Beijing from 2007 to 2017: Impact of Clean Air Actions. Environmental Science & Technology, 2020, 54, 1344-1352.	4.6	84
36	Key Role of Nitrate in Phase Transitions of Urban Particles: Implications of Important Reactive Surfaces for Secondary Aerosol Formation. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1234-1243.	1.2	81

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37	The interdecadal worsening of weather conditions affecting aerosol pollution in the Beijing area in relation to climate warming. Atmospheric Chemistry and Physics, 2018, 18, 5991-5999.	1.9	79
38	Characterization of new particle and secondary aerosol formation during summertime in Beijing, China. Tellus, Series B: Chemical and Physical Meteorology, 2022, 63, 382.	0.8	74
39	Heavy aerosol pollution episodes in winter Beijing enhanced by radiative cooling effects of aerosols. Atmospheric Research, 2018, 209, 59-64.	1.8	74
40	Satellite observed aerosol-induced variability in warm cloud properties under different meteorological conditions over eastern China. Atmospheric Environment, 2014, 84, 122-132.	1.9	72
41	Late Quaternary Records of the Atmospheric Input of Eolian Dust to the Center of the Chinese Loess Plateau. Quaternary Research, 1994, 41, 35-43.	1.0	70
42	Aerosol optical characteristics and their vertical distributions under enhanced haze pollution events: effect of the regional transport of different aerosol types over eastern China. Atmospheric Chemistry and Physics, 2018, 18, 2949-2971.	1.9	69
43	Global sand and dust storms in 2008: Observation and HYSPLIT model verification. Atmospheric Environment, 2011, 45, 6368-6381.	1.9	67
44	Mixing state and hygroscopicity of dust and haze particles before leaving Asian continent. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1044-1059.	1.2	67
45	Morphology, composition, and mixing state of primary particles from combustion sources â€” crop residue, wood, and solid waste. Scientific Reports, 2017, 7, 5047.	1.6	66
46	Direct Observations of Fine Primary Particles From Residential Coal Burning: Insights Into Their Morphology, Composition, and Hygroscopicity. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,964.	1.2	61
47	Contributions to the explosive growth of PM_{2.5} mass due to aerosolâ€“radiation feedback and decrease in turbulent diffusion during a red alert heavy haze in Beijingâ€“Tianjinâ€“Hebei, China. Atmospheric Chemistry and Physics, 2018, 18, 17717-17733.	1.9	59
48	Robust prediction of hourly PM2.5 from meteorological data using LightGBM. National Science Review, 2021, 8, nwaa307.	4.6	59
49	Study on the aerosol optical properties and their relationship with aerosol chemical compositions over three regional background stations in China. Atmospheric Environment, 2009, 43, 1093-1099.	1.9	56
50	Direct observations of organic aerosols in common wintertime hazes in North China: insights into direct emissions from Chinese residential stoves. Atmospheric Chemistry and Physics, 2017, 17, 1259-1270.	1.9	56
51	Incorrect Asian aerosols affecting the attribution and projection of regional climate change in CMIP6 models. Npj Climate and Atmospheric Science, 2021, 4, .	2.6	56
52	Seasonal characterization of components and size distributions for submicron aerosols in Beijing. Science China Earth Sciences, 2013, 56, 890-900.	2.3	53
53	Aerosol optical properties over urban and industrial region of Northeast China by using ground-based sun-photometer measurement. Atmospheric Environment, 2013, 75, 270-278.	1.9	52
54	Enhancement of PM_{2.5} Concentrations by Aerosolâ€Meteorology Interactions Over China. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1179-1194.	1.2	51

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55	Radiative feedback of dust aerosols on the East Asian dust storms. Journal of Geophysical Research, 2010, 115, .	3.3	50
56	Vertical observations of the atmospheric boundary layer structure over Beijing urban area during air pollution episodes. Atmospheric Chemistry and Physics, 2019, 19, 6949-6967.	1.9	48
57	Analyses of aerosol optical properties and direct radiative forcing over urban and industrial regions in Northeast China. Meteorology and Atmospheric Physics, 2015, 127, 345-354.	0.9	46
58	Long-term validation of MODIS C6 and C6.1 Dark Target aerosol products over China using CARSNET and AERONET. Chemosphere, 2019, 236, 124268.	4.2	46
59	Evaluating the contributions of changed meteorological conditions and emission to substantial reductions of PM2.5 concentration from winter 2016 to 2017 in Central and Eastern China. Science of the Total Environment, 2020, 716, 136892.	3.9	46
60	Spatial and seasonal distributions of atmospheric carbonaceous aerosols in pearl river delta region, china. Particuology: Science and Technology of Particles, 2003, 1, 33-37.	0.4	41
61	Temporal and spatial variations of haze and fog and the characteristics of PM2.5 during heavy pollution episodes in China from 2013 to 2018. Atmospheric Pollution Research, 2020, 11, 1847-1856.	1.8	41
62	Retrievals of fine mode light-absorbing carbonaceous aerosols from POLDER/PARASOL observations over East and South Asia. Remote Sensing of Environment, 2020, 247, 111913.	4.6	40
63	Understanding of Aerosolâ€“Climate Interactions in China: Aerosol Impacts on Solar Radiation, Temperature, Cloud, and Precipitation and Its Changes Under Future Climate and Emission Scenarios. Current Pollution Reports, 2019, 5, 36-51.	3.1	39
64	Five-year observation of aerosol optical properties and its radiative effects to planetary boundary layer during air pollution episodes in North China: Intercomparison of a plain site and a mountainous site in Beijing. Science of the Total Environment, 2019, 674, 140-158.	3.9	38
65	Effect of cold wave on winter visibility over eastern China. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2394-2406.	1.2	37
66	Aerosol background at two remote CAWNET sites in western China. Science of the Total Environment, 2009, 407, 3518-3529.	3.9	35
67	Monitoring haze episodes over the Yellow Sea by combining multisensor measurements. International Journal of Remote Sensing, 2010, 31, 4743-4755.	1.3	34
68	The updated effective radiative forcing of major anthropogenic aerosols and their effects on global climate at present and in the future. International Journal of Climatology, 2016, 36, 4029-4044.	1.5	34
69	Aerosol vertical distribution and optical properties of different pollution events in Beijing in autumn 2017. Atmospheric Research, 2019, 215, 193-207.	1.8	34
70	The â€˜two-way feedback mechanismâ€™ between unfavorable meteorological conditions and cumulative PM2.5 mass existing in polluted areas south of Beijing. Atmospheric Environment, 2019, 208, 1-9.	1.9	33
71	Variation in MERRA-2 aerosol optical depth over the Yangtze River Delta from 1980 to 2016. Theoretical and Applied Climatology, 2019, 136, 363-375.	1.3	33
72	Aerosol optical properties and its radiative forcing over Yulin, China in 2001 and 2002. Advances in Atmospheric Sciences, 2009, 26, 564-576.	1.9	32

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73	The Relationship of PM Variation with Visibility and Mixing-Layer Height under Hazy/Foggy Conditions in the Multi-Cities of Northeast China. International Journal of Environmental Research and Public Health, 2017, 14, 471.	1.2	32
74	Additional Intensification of Seasonal Heat and Flooding Extreme Over China in a 2Â°C Warmer World Compared to 1.5Â°C. Earth's Future, 2018, 6, 968-978.	2.4	32
75	Nonlinear Enhancement of Radiative Absorption by Black Carbon in Response to Particle Mixing Structure. Geophysical Research Letters, 2021, 48, .	1.5	30
76	Application of aerosol optical properties to estimate aerosol type from ground-based remote sensing observation at urban area of northeastern China. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 132, 37-47.	0.6	29
77	Characteristics of clay minerals in asian dust and their environmental significance. Particuology: Science and Technology of Particles, 2005, 3, 260-264.	0.4	28
78	Mass concentration and mineralogical characteristics of aerosol particles collected at Dunhuang during ACE-Asia. Advances in Atmospheric Sciences, 2006, 23, 291-298.	1.9	28
79	Chemical Components, Variation, and Source Identification of PM1 during the Heavy Air Pollution Episodes in Beijing in December 2016. Journal of Meteorological Research, 2018, 32, 1-13.	0.9	28
80	Impacts of the near-surface urban boundary layer structure on PM2.5 concentrations in Beijing during winter. Science of the Total Environment, 2019, 669, 493-504.	3.9	28
81	A study of the scaling height of the tropospheric aerosol and its extinction coefficient profile. Journal of Aerosol Science, 2005, 36, 361-371.	1.8	27
82	Projected response of East Asian summer monsoon system to future reductions in emissions of anthropogenic aerosols and their precursors. Climate Dynamics, 2016, 47, 1455-1468.	1.7	27
83	Multiyear Groundâ€Based Measurements of Aerosol Optical Properties and Direct Radiative Effect Over Different Surface Types in Northeastern China. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,887.	1.2	27
84	How aerosol transport from the North China plain contributes to air quality in northeast China. Science of the Total Environment, 2020, 738, 139555.	3.9	27
85	Characterization of Dust Storms to Hong Kong in April 1998. Water, Air and Soil Pollution, 2003, 3, 213-229.	0.8	26
86	Characterization of MASDs of surface soils in north China and its influence on estimating dust emission. Science Bulletin, 2004, 49, 2169-2176.	1.7	24
87	Aerosol optical properties observation and its relationship to meteorological conditions and emission during the Chinese National Day and Spring Festival holiday in Beijing. Atmospheric Research, 2017, 197, 188-200.	1.8	23
88	Advances in sunphotometer-measured aerosol optical properties and related topics in China: Impetus and perspectives. Atmospheric Research, 2021, 249, 105286.	1.8	23
89	Climatological variations in aerosol optical depth and aerosol type identification in Liaoning of Northeast China based on MODIS data from 2002 to 2019. Science of the Total Environment, 2021, 781, 146810.	3.9	23
90	Reconstructing 6-hourly PM_{2.5} datasets from 1960 to 2020 in China. Earth System Science Data, 2022, 14, 3197-3211.	3.7	23

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91	Reflections on the threshold for PM_{2.5} explosive growth in the cumulative stage of winter heavy aerosol pollution episodes (HPEs) in Beijing. Tellus, Series B: Chemical and Physical Meteorology, 2022, 71, 1528134.	0.8	22
92	Climatology of mixing layer height in China based on multi-year meteorological data from 2000 to 2013. Atmospheric Environment, 2019, 213, 90-103.	1.9	22
93	Detection of New Dust Sources in Central/East Asia and Their Impact on Simulations of a Severe Sand and Dust Storm. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10232-10247.	1.2	21
94	Aerosol Vertical Distribution and Typical Air Pollution Episodes over Northeastern China during 2016 Analyzed by Ground-based Lidar. Aerosol and Air Quality Research, 2018, 18, 918-93.	0.9	21
95	On the influence of atmospheric super-saturation layer on China's heavy haze-fog events. Atmospheric Environment, 2017, 171, 261-271.	1.9	20
96	Aqueous-phase reactions occurred in the PM_{2.5} cumulative explosive growth during the heavy pollution episode (HPE) in 2016 Beijing wintertime. Tellus, Series B: Chemical and Physical Meteorology, 2022, 71, 1620079.	0.8	20
97	Characteristics of the imaginary part and single-scattering albedo of urban aerosols in northern China. Tellus, Series B: Chemical and Physical Meteorology, 2004, 56, 276-284.	0.8	20
98	Comparison of Submicron Particles at a Rural and an Urban Site in the North China Plain during the December 2016 Heavy Pollution Episodes. Journal of Meteorological Research, 2018, 32, 26-37.	0.9	18
99	Characteristics of chemical composition and role of meteorological factors during heavy aerosol pollution episodes in northern Beijing area in autumn and winter of 2015. Tellus, Series B: Chemical and Physical Meteorology, 2022, 69, 1347484.	0.8	17
100	Interdecadal changes of summer aerosol pollution in the Yangtze River Basin of China, the relative influence of meteorological conditions and the relation to climate change. Science of the Total Environment, 2018, 630, 46-52.	3.9	17
101	Validation of the aerosol optical property products derived by the GRASP/Component approach from multi-angular polarimetric observations. Atmospheric Research, 2021, 263, 105802.	1.8	17
102	Uncertainties in anthropogenic aerosol concentrations and direct radiative forcing induced by emission inventories in eastern China. Atmospheric Research, 2015, 166, 129-140.	1.8	16
103	Aerosol Optical Properties over Beijing during the World Athletics Championships and Victory Day Military Parade in August and September 2015. Atmosphere, 2016, 7, 47.	1.0	16
104	Mitigation of severe urban haze pollution by a precision air pollution control approach. Scientific Reports, 2018, 8, 8151.	1.6	15
105	Interdecadal variation in aerosol optical properties and their relationships to meteorological parameters over northeast China from 1980 to 2017. Chemosphere, 2020, 247, 125737.	4.2	15
106	Aerosol and gaseous pollutant characteristics during the heating season (winterâ€“spring transition) in the Harbin-Changchun megalopolis, northeastern China. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 188, 26-43.	0.6	14
107	Relatively weak meteorological feedback effect on PM2.5 mass change in Winter 2017/18 in the Beijing area: Observational evidence and machine-learning estimations. Science of the Total Environment, 2019, 664, 140-147.	3.9	14
108	Haze particles over a coalâ€burning region in the China Loess Plateau in winter: Three flight missions in December 2010. Journal of Geophysical Research, 2012, 117, .	3.3	13

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109	Modeling study of aerosol indirect effects on global climate with an AGCM. Advances in Atmospheric Sciences, 2010, 27, 1064-1077.	1.9	12
110	Optical and radiative properties of aerosols during a severe haze episode over the North China Plain in December 2016. Journal of Meteorological Research, 2017, 31, 1045-1061.	0.9	12
111	Climatology and trends of aerosol optical depth with different particle size and shape in northeast China from 2001 to 2018. Science of the Total Environment, 2021, 763, 142979.	3.9	12
112	Aerosol optical properties and its type classification based on multiyear joint observation campaign in north China plain megalopolis. Chemosphere, 2021, 273, 128560.	4.2	12
113	Multi-Year Variation of Ozone and Particulate Matter in Northeast China Based on the Tracking Air Pollution in China (TAP) Data. International Journal of Environmental Research and Public Health, 2022, 19, 3830.	1.2	12
114	Aerosol Hygroscopicity during the Haze Red-Alert Period in December 2016 at a Rural Site of the North China Plain. Journal of Meteorological Research, 2018, 32, 38-48.	0.9	11
115	Fine Mode Aerosol Optical Properties Related to Cloud and Fog Processing over a Cluster of Cities in Northeast China. Aerosol and Air Quality Research, 2015, 15, 2065-2081.	0.9	11
116	On the fossil and non-fossil fuel sources of carbonaceous aerosol with radiocarbon and AMS-PMF methods during winter hazy days in a rural area of North China plain. Environmental Research, 2022, 208, 112672.	3.7	11
117	Extensive characterization of aerosol optical properties and chemical component concentrations: Application of the GRASP/Component approach to long-term AERONET measurements. Science of the Total Environment, 2022, 812, 152553.	3.9	11
118	The effects of the â€œtwo-way feedback mechanismâ€•on the maintenance of persistent heavy aerosol pollution over areas with relatively light aerosol pollution in northwest China. Science of the Total Environment, 2019, 688, 642-652.	3.9	10
119	Variations of Haze Pollution in China Modulated by Thermal Forcing of the Western Pacific Warm Pool. Atmosphere, 2018, 9, 314.	1.0	9
120	A synergic algorithm for retrieval of aerosol optical depth over land. Advances in Atmospheric Sciences, 2009, 26, 973-983.	1.9	8
121	Aerosol optical thickness retrieval over non-Lambertian land surface with synergistic use of AATSR radiance measurements and MODIS derived Albedo Model Parameters. Atmospheric Research, 2009, 93, 736-746.	1.8	8
122	Effect of aluminium dust on secondary organic aerosol formation in m-xylene/NO x photo-oxidation. Science China Earth Sciences, 2015, 58, 245-254.	2.3	8
123	A Critical Evaluation of Deep Blue Algorithm Derived AVHRR Aerosol Product Over China. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12173-12193.	1.2	8
124	The influence of stagnant and transport types weather on heavy pollution in the Yangtze-Huaihe valley, China. Science of the Total Environment, 2021, 792, 148393.	3.9	8
125	Aerosols Direct Radiative Effects Combined Ground-Based Lidar and Sun-Photometer Observations: Cases Comparison between Haze and Dust Events in Beijing. Remote Sensing, 2022, 14, 266.	1.8	8
126	Aerosol Optical Properties Retrieved from a Prede Sky Radiometer over an Urban Site of Beijing, China. Journal of the Meteorological Society of Japan, 2014, 92A, 17-31.	0.7	7

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127	The variation in visibility and its relationship with surface wind speed in China from 1960 to 2009. Theoretical and Applied Climatology, 2018, 131, 335-347.	1.3	7
128	Representations of dynamics size distributions of mineral dust over East Asia by a regional sand and dust storm model. Atmospheric Research, 2021, 250, 105403.	1.8	7
129	Attribution of the worse aerosol pollution in March 2018 in Beijing to meteorological variability. Atmospheric Research, 2021, 250, 105294.	1.8	7
130	Simultaneous measurements of PM1 and PM10 aerosol scattering properties and their relationships in urban Beijing: A two-year observation. Science of the Total Environment, 2021, 770, 145215.	3.9	7
131	Application of Turbulent Diffusion Term of Aerosols in Mesoscale Model. Geophysical Research Letters, 2021, 48, e2021GL093199.	1.5	7
132	Validating a dust production model by field experiment in Mu Us Desert, China. Science Bulletin, 2006, 51, 878-884.	4.3	6
133	Investigation of the Optical Properties of Aerosols over the Coastal Region at Dalian, Northeast China. Atmosphere, 2016, 7, 103.	1.0	6
134	Biological crust in sand and dust storm source areas of Asia and its impact on dust emission. Advances in Climate Change Research, 2021, 12, 395-408.	2.1	5
135	Drivers of the rapid rise and daily-based accumulation in PM1. Science of the Total Environment, 2021, 760, 143394.	3.9	4
136	Classification of the Circulation Patterns Related to Strong Dust Weather in China Using a Combination of the Lambâ€“Jenkinson and k-Means Clustering Methods. Atmosphere, 2021, 12, 1545.	1.0	4
137	The Role of Aerosolâ€Radiation Interaction in the Meteorology Prediction at the Weather Scale in the Numerical Weather Prediction Model. Geophysical Research Letters, 2022, 49, .	1.5	4
138	A new method to retrieve aerosol optical thickness from satellite images on a parallel system. Particuology, 2009, 7, 392-398.	2.0	3
139	Effects of Different Aerosols on the Air Pollution and Their Relationship With Meteorological Parameters in North China Plain. Frontiers in Environmental Science, 2022, 10, .	1.5	3
140	Differences in East Asian summer monsoon responses to Asian aerosol forcing under different emission inventories. Advances in Climate Change Research, 2022, 13, 309-322.	2.1	3
141	Turbulent transport dissimilarities of particles, momentum, and heat. Environmental Research, 2022, 211, 113111.	3.7	3
142	Practical Paths towards Lowering Black Carbon Emissions. Advances in Climate Change Research, 2011, 2, 12-22.	2.1	2
143	Some reflections on researches of Future Earth changes in air quality and climate. Advances in Climate Change Research, 2015, 6, 126-130.	2.1	2
144	Asian Dust, Eolian Iron and Black Carbonâ€"Connections to Climate Changes. Developments in Paleoenvironmental Research, 2014, , 339-433.	7.5	2

#	Article	IF	Citations
145	Comparison analysis of AVHRR LST data and TSP data in a dust sources region. , 2003, 5286, 356.		1
146	Relationships between dust storms and dryness-wetness in middleâ€“eastern china during 1470â€“1950. Particuology: Science and Technology of Particles, 2006, 4, 20-24.	0.4	1
147	A novel method of retrieving low visibility during heavily polluted episodes in the North China plain. Atmospheric Environment: X, 2021, 9, 100101.	0.8	1
148	Evaluation of aerosol microphysical, optical and radiative properties measured with a multiwavelength photometer. Atmospheric Measurement Techniques, 2022, 15, 2139-2158.	1.2	1