

Huizheng che

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

231
papers

7,206
citations

49
h-index

76
g-index

289
ext. papers

8,665
ext. citations

5.4
avg, IF

6.04
L-index

#	Paper	IF	Citations
231	Impact of aerosols on warm clouds over the Sichuan Basin, China in winter based on the MERRA-2 reanalysis dataset. <i>Atmospheric Pollution Research</i> , 2022 , 13, 101342	4.5	1
230	The Different Impacts of Emissions and Meteorology on PM2.5 Changes in Various Regions in China: A Case Study. <i>Atmosphere</i> , 2022 , 13, 222	2.7	0
229	Aerosols Direct Radiative Effects Combined Ground-Based Lidar and Sun-Photometer Observations: Cases Comparison between Haze and Dust Events in Beijing. <i>Remote Sensing</i> , 2022 , 14, 266	5	1
228	A satellite-measured view of aerosol component content and optical property in a haze-polluted case over North China Plain. <i>Atmospheric Research</i> , 2022 , 266, 105958	5.4	3
227	Evaluation of surface solar radiation trends over China since the 1960s in the CMIP6 models and potential impact of aerosol emissions. <i>Atmospheric Research</i> , 2022 , 268, 105991	5.4	2
226	Influences of atmospheric reanalysis on the accuracy of clear-sky irradiance estimates: Comparing MERRA-2 and CAMS. <i>Atmospheric Environment</i> , 2022 , 277, 119080	5.3	1
225	Ground-Based MAX-DOAS Measurements of Tropospheric Aerosols, NO ₂ , and HCHO Distributions in the Urban Environment of Shanghai, China. <i>Remote Sensing</i> , 2022 , 14, 1726	5	0
224	Evaluation of aerosol microphysical, optical and radiative properties measured with a multiwavelength photometer. <i>Atmospheric Measurement Techniques</i> , 2022 , 15, 2139-2158	4	0
223	On the relationship between convective precipitation and aerosol pollution in North China Plain during autumn and winter. <i>Atmospheric Research</i> , 2022 , 271, 106120	5.4	1
222	Effect of vegetation seasonal cycle alterations to aerosol dry deposition on PM concentrations in China.. <i>Science of the Total Environment</i> , 2022 , 154211	10.2	2
221	Evaluation and Comparison of MODIS C6 and C6.1 Deep Blue Aerosol Products in Arid and Semi-Arid Areas of Northwestern China. <i>Remote Sensing</i> , 2022 , 14, 1935	5	1
220	A Comprehensive Study of a Winter Haze Episode over the Area around Bohai Bay in Northeast China: Insights from Meteorological Elements Observations of Boundary Layer. <i>Sustainability</i> , 2022 , 14, 5424	3.6	0
219	Heat stress in Beijing and its relationship with boundary layer structure and air pollution. <i>Atmospheric Environment</i> , 2022 , 119159	5.3	0
218	Classification of the Circulation Patterns Related to Strong Dust Weather in China Using a Combination of the Lamb-Jenkinson and k-Means Clustering Methods. <i>Atmosphere</i> , 2021 , 12, 1545	2.7	
217	Extensive characterization of aerosol optical properties and chemical component concentrations: Application of the GRASP/Component approach to long-term AERONET measurements.. <i>Science of the Total Environment</i> , 2021 , 812, 152553	10.2	3
216	Three-dimensional climatology, trends, and meteorological drivers of global and regional tropospheric type-dependent aerosols: insights from 13 years (2007–2019) of CALIOP observations. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 15309-15336	6.8	5
215	A global-scale analysis of the MISR Level-3 aerosol optical depth (AOD) product: Comparison with multi-platform AOD data sources. <i>Atmospheric Pollution Research</i> , 2021 , 12, 101238	4.5	2

214	The Impact of the Variation in Weather and Season on WRF Dynamical Downscaling in the Pearl River Delta Region. <i>Atmosphere</i> , 2021 , 12, 409	2.7	3
213	Global Aerosol Classification Based on Aerosol Robotic Network (AERONET) and Satellite Observation. <i>Remote Sensing</i> , 2021 , 13, 1114	5	1
212	Constructing Shapes and Mixing Structures of Black Carbon Particles With Applications to Optical Calculations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD034620	4.4	8
211	Spatio-temporal trends of dust emissions triggered by desertification in China. <i>Catena</i> , 2021 , 200, 1051608	5.8	8
210	Separating emission and meteorological contributions to long-term PM _{2.5} trends over eastern China during 2000-2018. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 9475-9496	6.8	20
209	Identifying the dominant local factors of 2000-2019 changes in dust loading over East Asia. <i>Science of the Total Environment</i> , 2021 , 777, 146064	10.2	6
208	Relationship between summertime concurring PM and O ₃ pollution and boundary layer height differs between Beijing and Shanghai, China. <i>Environmental Pollution</i> , 2021 , 268, 115775	9.3	26
207	Advances in sunphotometer-measured aerosol optical properties and related topics in China: Impetus and perspectives. <i>Atmospheric Research</i> , 2021 , 249, 105286	5.4	13
206	Evaluation and possible uncertainty source analysis of JAXA Himawari-8 aerosol optical depth product over China. <i>Atmospheric Research</i> , 2021 , 248, 105248	5.4	10
205	Climatology and trends of aerosol optical depth with different particle size and shape in northeast China from 2001 to 2018. <i>Science of the Total Environment</i> , 2021 , 763, 142979	10.2	7
204	The dominant mechanism of the explosive rise of PM _{2.5} after significant pollution emissions reduction in Beijing from 2017 to the COVID-19 pandemic in 2020. <i>Atmospheric Pollution Research</i> , 2021 , 12, 272-281	4.5	5
203	Radiative forcing of the aerosol-cloud interaction in seriously polluted East China and East China Sea. <i>Atmospheric Research</i> , 2021 , 252, 105405	5.4	2
202	Impacts of PBL schemes on PM _{2.5} simulation and their responses to aerosol-radiation feedback in GRAPES_CUACE model during severe haze episodes in Jing-Jin-Ji, China. <i>Atmospheric Research</i> , 2021 , 248, 105268	5.4	4
201	Development of WRF/CUACE v1.0 model and its preliminary application in simulating air quality in China. <i>Geoscientific Model Development</i> , 2021 , 14, 703-718	6.3	11
200	On the heavy aerosol pollution and its meteorological dependence in Shandong province, China. <i>Atmospheric Research</i> , 2021 , 256, 105572	5.4	6
199	The Significant Contribution of Small-Sized and Spherical Aerosol Particles to the Decreasing Trend in Total Aerosol Optical Depth over Land from 2003 to 2018. <i>Engineering</i> , 2021 ,	9.7	8
198	Climatological variations in aerosol optical depth and aerosol type identification in Liaoning of Northeast China based on MODIS data from 2002 to 2019. <i>Science of the Total Environment</i> , 2021 , 781, 146810	10.2	7
197	Seasonal variability and trends in global type-segregated aerosol optical depth as revealed by MISR satellite observations. <i>Science of the Total Environment</i> , 2021 , 787, 147543	10.2	12

196	Simulation of the influence of a fine-scale urban underlying surface on the urban heat island effect in Beijing. <i>Atmospheric Research</i> , 2021 , 262, 105786	5.4	0
195	Validation of the aerosol optical property products derived by the GRASP/Component approach from multi-angular polarimetric observations. <i>Atmospheric Research</i> , 2021 , 263, 105802	5.4	4
194	Incorrect Asian aerosols affecting the attribution and projection of regional climate change in CMIP6 models. <i>Npj Climate and Atmospheric Science</i> , 2021 , 4,	8	15
193	Robust prediction of hourly PM from meteorological data using LightGBM. <i>National Science Review</i> , 2021 , 8, nwa307	10.8	8
192	Integrated impacts of synoptic forcing and aerosol radiative effect on boundary layer and pollution in the Beijing-Tianjin-Hebei region, China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 5899-5909	6.8	19
191	The development and application of satellite remote sensing for atmospheric compositions in China. <i>Atmospheric Research</i> , 2020 , 245, 105056	5.4	10
190	Retrievals of fine mode light-absorbing carbonaceous aerosols from POLDER/PARASOL observations over East and South Asia. <i>Remote Sensing of Environment</i> , 2020 , 247, 111913	13.2	21
189	How aerosol transport from the North China plain contributes to air quality in northeast China. <i>Science of the Total Environment</i> , 2020 , 738, 139555	10.2	16
188	Improvement of snow/haze confusion data gaps in MODIS Dark Target aerosol retrievals in East China. <i>Atmospheric Research</i> , 2020 , 245, 105063	5.4	5
187	Construction of a virtual PM observation network in China based on high-density surface meteorological observations using the Extreme Gradient Boosting model. <i>Environment International</i> , 2020 , 141, 105801	12.9	38
186	Intercomparison between the aerosol optical properties retrieved by different inversion methods from SKYNET sky radiometer observations over Qionghai and Yucheng in China. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 1195-1212	4	2
185	Influence of Atmospheric Circulation on Aerosol and its Optical Characteristics in the Pearl River Delta Region. <i>Atmosphere</i> , 2020 , 11, 288	2.7	6
184	Climatology of Fine and Coarse Mode Aerosol Optical Thickness Over East and South Asia Derived From POLDER/PARASOL Satellite. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032665	4.4	6
183	Research Progress on Estimation of the Atmospheric Boundary Layer Height. <i>Journal of Meteorological Research</i> , 2020 , 34, 482-498	2.3	14
182	Dust-sized fractions from dustfall and physical weathering in the Gobi Desert. <i>Aeolian Research</i> , 2020 , 43, 100565	3.9	2
181	Temporal variation of dust aerosol pollution in northern China. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	3
180	Can MERRA-2 Reanalysis Data Reproduce the Three-Dimensional Evolution Characteristics of a Typical Dust Process in East Asia? A Case Study of the Dust Event in May 2017. <i>Remote Sensing</i> , 2020 , 12, 902	5	14
179	Similarities and Differences in the Temporal Variability of PM _{2.5} and AOD Between Urban and Rural Stations in Beijing. <i>Remote Sensing</i> , 2020 , 12, 1193	5	7

178	Modulation of springtime surface sensible heating over the Tibetan Plateau on the interannual variability of East Asian dust cycle. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 11143-11159	6.8	1
177	An overview of and issues with sky radiometer technology and SKYNET. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 4195-4218	4	22
176	Seasonal variation of atmospheric vertical extinction and its interaction with meteorological factors in the Yangtze River Delta region. <i>Chemosphere</i> , 2020 , 247, 125768	8.4	5
175	A critical view of long-term AVHRR aerosol data record in China: Retrieval frequency and heavy pollution. <i>Atmospheric Environment</i> , 2020 , 223, 117246	5.3	6
174	Variation of the aerosol optical properties and validation of MODIS AOD products over the eastern edge of the Tibetan Plateau based on ground-based remote sensing in 2017. <i>Atmospheric Environment</i> , 2020 , 223, 117257	5.3	9
173	The two-way feedback effect between aerosol pollution and planetary boundary layer structure on the explosive rise of PM after the "Ten Statements of Atmosphere" in Beijing. <i>Science of the Total Environment</i> , 2020 , 709, 136259	10.2	11
172	Improved method of visibility parameterization focusing on high humidity and aerosol concentrations during fog/haze events: Application in the GRAPES_CAUCES model in Jing-Jin-Ji, China. <i>Atmospheric Environment</i> , 2020 , 222, 117139	5.3	7
171	Mitigating MODIS AOD non-random sampling error on surface PM _{2.5} estimates by a combined use of Bayesian Maximum Entropy method and linear mixed-effects model. <i>Atmospheric Pollution Research</i> , 2020 , 11, 482-490	4.5	8
170	The impact of aerosol on MODIS cloud detection and property retrieval in seriously polluted East China. <i>Science of the Total Environment</i> , 2020 , 711, 134634	10.2	9
169	Interdecadal variation in aerosol optical properties and their relationships to meteorological parameters over northeast China from 1980 to 2017. <i>Chemosphere</i> , 2020 , 247, 125737	8.4	8
168	Temporal and spatial variations of haze and fog and the characteristics of PM _{2.5} during heavy pollution episodes in China from 2013 to 2018. <i>Atmospheric Pollution Research</i> , 2020 , 11, 1847-1856	4.5	19
167	Source apportionment of particulate matter based on numerical simulation during a severe pollution period in Tangshan, North China. <i>Environmental Pollution</i> , 2020 , 266, 115133	9.3	9
166	Long-Term Variation of Black Carbon Aerosol in China Based on Revised Aethalometer Monitoring Data. <i>Atmosphere</i> , 2020 , 11, 684	2.7	11
165	Impacts of regional transport and boundary layer structure on the PM _{2.5} pollution in Wuhan, Central China. <i>Atmospheric Environment</i> , 2020 , 230, 117508	5.3	11
164	Aerosol optical properties and its type classification based on multiyear joint observation campaign in north China plain megalopolis. <i>Chemosphere</i> , 2020 , 273, 128560	8.4	6
163	Contribution of Meteorological Conditions to the Variation in Winter PM _{2.5} Concentrations from 2013 to 2019 in Middle-Eastern China. <i>Atmosphere</i> , 2019 , 10, 563	2.7	6
162	Investigations into the development of a satellite-based aerosol climate data record using ATSR-2, AATSR and AVHRR data over north-eastern China from 1987 to 2012. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 4091-4112	4	3
161	Large contribution of meteorological factors to inter-decadal changes in regional aerosol optical depth. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10497-10523	6.8	90

160	Interaction Between Planetary Boundary Layer and PM _{2.5} Pollution in Megacities in China: a Review. <i>Current Pollution Reports</i> , 2019 , 5, 261-271	7.6	58
159	Spatial distribution of aerosol microphysical and optical properties and direct radiative effect from the China Aerosol Remote Sensing Network. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11843-11864	6.8	65
158	Satellite-derived PM concentration trends over Eastern China from 1998 to 2016: Relationships to emissions and meteorological parameters. <i>Environmental Pollution</i> , 2019 , 247, 1125-1133	9.3	112
157	Contributions of modern Gobi Desert to the Badain Jaran Desert and the Chinese Loess Plateau. <i>Scientific Reports</i> , 2019 , 9, 985	4.9	4
156	Climatology of mixing layer height in China based on multi-year meteorological data from 2000 to 2013. <i>Atmospheric Environment</i> , 2019 , 213, 90-103	5.3	13
155	Large contribution of meteorological factors to inter-decadal changes in regional aerosol optical depth 2019 ,		1
154	Understanding MODIS dark-target collection 5 and 6 aerosol data over China: Effect of surface type, aerosol loading and aerosol absorption. <i>Atmospheric Research</i> , 2019 , 228, 161-175	5.4	6
153	Performance of MODIS high-resolution MAIAC aerosol algorithm in China: Characterization and limitation. <i>Atmospheric Environment</i> , 2019 , 213, 159-169	5.3	39
152	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. <i>Science of the Total Environment</i> , 2019 , 674, 140-158	10.2	24
151	Aerosol and gaseous pollutant characteristics during the heating season (winter-spring transition) in the Harbin-Changchun megalopolis, northeastern China. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019 , 188, 26-43	2	9
150	Assessing the impact of Chinese FY-3/MERSI AOD data assimilation on air quality forecasts: Sand dust events in northeast China. <i>Atmospheric Environment</i> , 2019 , 205, 78-89	5.3	11
149	Estimation and inter-comparison of dust aerosols based on MODIS, MISR and AERONET retrievals over Asian desert regions. <i>Journal of Environmental Sciences</i> , 2019 , 76, 154-166	6.4	14
148	Global view on China's foggy-haze associated with air-pollutant conveyor belts. <i>Science of the Total Environment</i> , 2019 , 693, 133448	10.2	4
147	Long-term validation of MODIS C6 and C6.1 Dark Target aerosol products over China using CARSNET and AERONET. <i>Chemosphere</i> , 2019 , 236, 124268	8.4	30
146	Retrieval of aerosol components directly from satellite and ground-based measurements. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 13409-13443	6.8	45
145	A Critical Evaluation of Deep Blue Algorithm Derived AVHRR Aerosol Product Over China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 12173-12193	4.4	5
144	Impact of Biomass Burning in South and Southeast Asia on Background Aerosol in Southwest China. <i>Aerosol and Air Quality Research</i> , 2019 , 19, 1188-1204	4.6	9
143	Variation in MERRA-2 aerosol optical depth and absorption aerosol optical depth over China from 1980 to 2017. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019 , 186, 8-19	2	47

142	Aerosol Optical Radiation Properties in Kunming (the Low-Latitude Plateau of China) and Their Relationship to the Monsoon Circulation Index. <i>Remote Sensing</i> , 2019 , 11, 2911	5	0
141	Extracting Taklimakan Dust Parameters from AIRS with Artificial Neural Network Method. <i>Remote Sensing</i> , 2019 , 11, 2931	5	4
140	Spatiotemporal variation of aerosol and potential long-range transport impact over the Tibetan Plateau, China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14637-14656	6.8	20
139	Analysis of water vapor effects on aerosol properties and direct radiative forcing in China. <i>Science of the Total Environment</i> , 2019 , 650, 257-266	10.2	10
138	Aerosol vertical distribution and optical properties of different pollution events in Beijing in autumn 2017. <i>Atmospheric Research</i> , 2019 , 215, 193-207	5.4	21
137	Influence of meteorological conditions on explosive increase in O concentration in troposphere. <i>Science of the Total Environment</i> , 2019 , 652, 1228-1241	10.2	10
136	Comparison of AVHRR aerosol optical depth production against CARSNET data in China. <i>Atmospheric Research</i> , 2019 , 218, 12-24	5.4	10
135	Aerosol Optical Properties over an Urban Site in Central China Determined Using Ground-Based Sun Photometer Measurements. <i>Aerosol and Air Quality Research</i> , 2019 , 19, 620-638	4.6	7
134	Evaluating VIIRS EPS Aerosol Optical Depth in China: An intercomparison against ground-based measurements and MODIS. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019 , 224, 368-377	3.7	9
133	The impacts of the meteorology features on PM _{2.5} levels during a severe haze episode in central-east China. <i>Atmospheric Environment</i> , 2019 , 197, 177-189	5.3	41
132	Spatial and temporal distribution of the cloud optical depth over China based on MODIS satellite data during 2003-2016. <i>Journal of Environmental Sciences</i> , 2019 , 80, 66-81	6.4	13
131	Characterization of vertical distribution and radiative forcing of ambient aerosol over the Yangtze River Delta during 2013-2015. <i>Science of the Total Environment</i> , 2019 , 650, 1846-1857	10.2	23
130	Variation in MERRA-2 aerosol optical depth over the Yangtze River Delta from 1980 to 2016. <i>Theoretical and Applied Climatology</i> , 2019 , 136, 363-375	3	21
129	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. <i>Science of the Total Environment</i> , 2018 , 630, 46-52	10.2	13
128	Spatial and temporal evolution of natural and anthropogenic dust events over northern China. <i>Scientific Reports</i> , 2018 , 8, 2141	4.9	34
127	Aerosol optical properties and radiative impacts in the Pearl River Delta region of China during the dry season. <i>Advances in Atmospheric Sciences</i> , 2018 , 35, 195-208	2.9	15
126	Column-integrated aerosol optical properties of coarse- and fine-mode particles over the Pearl River Delta region in China. <i>Science of the Total Environment</i> , 2018 , 622-623, 481-492	10.2	9
125	Applying the WRF Double-Moment Six-Class Microphysics Scheme in the GRAPES_Meso Model: A Case Study. <i>Journal of Meteorological Research</i> , 2018 , 32, 246-264	2.3	5

124	Nine-year spatial and temporal evolution of desert dust aerosols over South and East Asia as revealed by CALIOP. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 1337-1362	6.8	68
123	Aerosol optical characteristics and their vertical distributions under enhanced haze pollution events: effect of the regional transport of different aerosol types over eastern China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2949-2971	6.8	53
122	Aerosol optical properties and direct radiative forcing based on measurements from the China Aerosol Remote Sensing Network (CARSNET) in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 405-425	6.8	72
121	An overview of mesoscale aerosol processes, comparisons, and validation studies from DRAGON networks. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 655-671	6.8	48
120	The optical properties, physical properties and direct radiative forcing of urban columnar aerosols in the Yangtze River Delta, China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 1419-1436	6.8	16
119	Temporal and spatial variations in sand and dust storm events in East Asia from 2007 to 2016: Relationships with surface conditions and climate change. <i>Science of the Total Environment</i> , 2018 , 633, 452-462	10.2	64
118	Daytime variation of aerosol optical depth in North China and its impact on aerosol direct radiative effects. <i>Atmospheric Environment</i> , 2018 , 182, 31-40	5.3	9
117	The variation in visibility and its relationship with surface wind speed in China from 1960 to 2009. <i>Theoretical and Applied Climatology</i> , 2018 , 131, 335-347	3	5
116	Weekday AOD smaller than weekend AOD in eastern China on the basis of the MODIS AOD product. <i>Theoretical and Applied Climatology</i> , 2018 , 132, 1019-1027	3	2
115	Contribution distinguish between emission reduction and meteorological conditions to Blue Sky□. <i>Atmospheric Environment</i> , 2018 , 190, 209-217	5.3	7
114	Comparison of Two Air Pollution Episodes over Northeast China in Winter 2016/17 Using Ground-Based Lidar. <i>Journal of Meteorological Research</i> , 2018 , 32, 313-323	2.3	11
113	Diurnal and seasonal variability of PM _{2.5} and AOD in North China plain: Comparison of MERRA-2 products and ground measurements. <i>Atmospheric Environment</i> , 2018 , 191, 70-78	5.3	60
112	Aerosol Vertical Distribution and Typical Air Pollution Episodes over Northeastern China during 2016 Analyzed by Ground-based Lidar. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 918-937	4.6	15
111	A Comparative Analysis of Aerosol Microphysical, Optical and Radiative Properties during the Spring Festival Holiday over Beijing and Surrounding Regions. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 1774-1787	4.6	3
110	Evaluating the performance of two surface layer schemes for the momentum and heat exchange processes during severe haze pollution in Jing-Jin-Ji in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17421-17435	6.8	6
109	Contributions to the explosive growth of PM _{2.5} mass due to aerosol radiation feedback and decrease in turbulent diffusion during a red alert heavy haze in Beijing Tianjin Hebei, China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17717-17733	6.8	34
108	Multiyear Ground-Based Measurements of Aerosol Optical Properties and Direct Radiative Effect Over Different Surface Types in Northeastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 13,887	4.4	19
107	Variations of Haze Pollution in China Modulated by Thermal Forcing of the Western Pacific Warm Pool. <i>Atmosphere</i> , 2018 , 9, 314	2.7	8

106	Radiative feedbacks of dust in snow over eastern Asia in CAM4-BAM. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 12683-12698	6.8	12
105	Characteristic and Driving Factors of Aerosol Optical Depth over Mainland China during 1980-2017. <i>Remote Sensing</i> , 2018 , 10, 1064	5	52
104	Observational evidence of cloud processes contributing to daytime elevated nitrate in an urban atmosphere. <i>Atmospheric Environment</i> , 2018 , 186, 209-215	5.3	24
103	Modeling East Asian Dust and Its Radiative Feedbacks in CAM4-BAM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 1079-1096	4.4	22
102	Air stagnation and its impact on air quality during winter in Sichuan and Chongqing, southwestern China. <i>Science of the Total Environment</i> , 2018 , 635, 576-585	10.2	64
101	Comparison of Aerosol Optical Properties Between Two Nearby Urban Sites in Beijing, China. <i>Aerosol Science and Engineering</i> , 2017 , 1, 78-92	1.6	1
100	Contrast in column-integrated aerosol optical properties during heating and non-heating seasons at Urumqi: Its causes and implications. <i>Atmospheric Research</i> , 2017 , 191, 34-43	5.4	7
99	Chemical composition, source, and process of urban aerosols during winter haze formation in Northeast China. <i>Environmental Pollution</i> , 2017 , 231, 357-366	9.3	59
98	On the influence of atmospheric super-saturation layer on China's heavy haze-fog events. <i>Atmospheric Environment</i> , 2017 , 171, 261-271	5.3	12
97	Aerosol optical characteristics and their vertical distributions under enhanced haze pollution events: effect of the regional transport of different aerosol types over eastern China 2017 ,		2
96	Optical and radiative properties of aerosols during a severe haze episode over the North China Plain in December 2016. <i>Journal of Meteorological Research</i> , 2017 , 31, 1045-1061	2.3	8
95	Estimation of aerosol complex refractive indices for both fine and coarse modes simultaneously based on AERONET remote sensing products. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 3203-3214	4	20
94	Evaluation of MODIS Deep Blue Aerosol Algorithm in Desert Region of East Asia: Ground Validation and Intercomparison. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 10,357-10,368	4.4	28
93	Modern dust aerosol availability in northwestern China. <i>Scientific Reports</i> , 2017 , 7, 8741	4.9	19
92	Evaluation of radiosonde, MODIS-NIR-Clear, and AERONET precipitable water vapor using IGS ground-based GPS measurements over China. <i>Atmospheric Research</i> , 2017 , 197, 461-473	5.4	54
91	Aerosol optical properties observation and its relationship to meteorological conditions and emission during the Chinese National Day and Spring Festival holiday in Beijing. <i>Atmospheric Research</i> , 2017 , 197, 188-200	5.4	20
90	Water vapor variation and the effect of aerosols in China. <i>Atmospheric Environment</i> , 2017 , 165, 322-335	5.3	27
89	Aerosol radiative effect in UV, VIS, NIR, and SW spectra under haze and high-humidity urban conditions. <i>Atmospheric Environment</i> , 2017 , 166, 9-21	5.3	31

88	Transport of East Asian dust storms to the marginal seas of China and the southern North Pacific in spring 2010. <i>Atmospheric Environment</i> , 2017 , 148, 316-328	5.3	37
87	Evaluation of aerosol optical depth and aerosol models from VIIRS retrieval algorithms over North China Plain. <i>Remote Sensing</i> , 2017 , 9,	5	21
86	Evaluation and Comparison of Long-Term MODIS C5.1 and C6 Products against AERONET Observations over China. <i>Remote Sensing</i> , 2017 , 9, 1269	5	11
85	An overview of meso-scale aerosol processes, comparison and validation studies from DRAGON networks 2017 ,		4
84	The optical, physical properties and direct radiative forcing of urban columnar aerosols in Yangtze River Delta, China 2017 ,		1
83	The Relationship of PM Variation with Visibility and Mixing-Layer Height under Hazy/Foggy Conditions in the Multi-Cities of Northeast China. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	26
82	Ground-based remote sensing of aerosol climatology in China: Aerosol optical properties, direct radiative effect and its parameterization. <i>Atmospheric Environment</i> , 2016 , 124, 243-251	5.3	85
81	Heavy aerosol loading over the Bohai Bay as revealed by ground and satellite remote sensing. <i>Atmospheric Environment</i> , 2016 , 124, 252-261	5.3	12
80	Spatial distribution and temporal variation of aerosol optical depth in the Sichuan basin, China, the recent ten years. <i>Atmospheric Environment</i> , 2016 , 147, 434-445	5.3	54
79	Cirrus cloud properties measurement using lidar in Beijing 2016 ,		1
78	Study of aerosol optical properties at Kunming in southwest China and long-range transport of biomass burning aerosols from North Burma. <i>Atmospheric Research</i> , 2016 , 169, 237-247	5.4	50
77	Seasonal Variation of Aerosol Optical Properties in an Urban Site of the Yangtze Delta Region of China. <i>Aerosol and Air Quality Research</i> , 2016 , 16, 2884-2896	4.6	11
76	The Impacts of Different PBL Schemes on the Simulation of PM _{2.5} during Severe Haze Episodes in the Jing-Jin-Ji Region and Its Surroundings in China. <i>Advances in Meteorology</i> , 2016 , 2016, 1-15	1.7	10
75	Analysis of the Error in Retrievals of Aerosol Optical Properties from Sunphotometer Measurements of CARSNET Due to a Variety of Objective Factors. <i>Atmosphere</i> , 2016 , 7, 9	2.7	9
74	Aerosol Optical Properties over Beijing during the World Athletics Championships and Victory Day Military Parade in August and September 2015. <i>Atmosphere</i> , 2016 , 7, 47	2.7	14
73	Aerosol Optical Properties Based on Ground and Satellite Retrievals during a Serious Haze Episode in December 2015 over Beijing. <i>Atmosphere</i> , 2016 , 7, 70	2.7	18
72	Investigation of the Optical Properties of Aerosols over the Coastal Region at Dalian, Northeast China. <i>Atmosphere</i> , 2016 , 7, 103	2.7	4
71	Satellite-Observed Transport of Dust to the East China Sea and the North Pacific Subtropical Gyre: Contribution of Dust to the Increase in Chlorophyll during Spring 2010. <i>Atmosphere</i> , 2016 , 7, 152	2.7	11

70	Calibration of the 936nm water-vapor channel for the China aerosol remote sensing NETWORK (CARSNET) and the effect of the retrieval water-vapor on aerosol optical property over Beijing, China. <i>Atmospheric Pollution Research</i> , 2016 , 7, 743-753	4.5	11
69	A 20-year simulated climatology of global dust aerosol deposition. <i>Science of the Total Environment</i> , 2016 , 557-558, 861-8	10.2	22
68	Observation and analysis of near-surface atmospheric aerosol optical properties in urban Beijing. <i>Particuology</i> , 2015 , 18, 144-154	2.8	41
67	Analyses of aerosol optical properties and direct radiative forcing over urban and industrial regions in Northeast China. <i>Meteorology and Atmospheric Physics</i> , 2015 , 127, 345-354	2	38
66	Aerosol optical properties under the condition of heavy haze over an urban site of Beijing, China. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 1043-53	5.1	77
65	Seasonal variation and difference of aerosol optical properties in columnar and surface atmospheres over Shanghai. <i>Atmospheric Environment</i> , 2015 , 123, 315-326	5.3	62
64	Temporal variability of the visibility, particulate matter mass concentration and aerosol optical properties over an urban site in Northeast China. <i>Atmospheric Research</i> , 2015 , 166, 204-212	5.4	44
63	Application of aerosol optical properties to estimate aerosol type from ground-based remote sensing observation at urban area of northeastern China. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015 , 132, 37-47	2	23
62	Estimating long-term PM _{2.5} concentrations in China using satellite-based aerosol optical depth and a chemical transport model. <i>Remote Sensing of Environment</i> , 2015 , 166, 262-270	13.2	162
61	Comparison and evaluation of the MODIS Collection 6 aerosol data in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 6992-7005	4.4	109
60	Validation of aerosol optical depth and climatology of aerosol vertical distribution in the Taklimakan Desert. <i>Atmospheric Pollution Research</i> , 2015 , 6, 239-244	4.5	15
59	Mesoscale modeling study of the interactions between aerosols and PBL meteorology during a haze episode in JingJinJi (China) and its nearby surrounding region [Part 1: Aerosol distributions and meteorological features. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 3257-3275	6.8	65
58	Mesoscale modelling study of the interactions between aerosols and PBL meteorology during a haze episode in China JingJinJi and its near surrounding region [Part 2: Aerosols' radiative feedback effects. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 3277-3287	6.8	76
57	Modeling study of PM _{2.5} pollutant transport across cities in China's JingJinJi region during a severe haze episode in December 2013. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 5803-5814	6.8	74
56	Ground-based aerosol climatology of China: aerosol optical depths from the China Aerosol Remote Sensing Network (CARSNET) 2002-2013. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 7619-7652	6.8	185
55	Spatial and temporal variations of the concentrations of PM ₁₀ , PM _{2.5} and PM ₁ in China. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 13585-13598	6.8	138
54	Estimating ground-level PM _{2.5} in eastern China using aerosol optical depth determined from the GOCI satellite instrument. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 13133-13144	6.8	51
53	Column-integrated aerosol optical properties and direct radiative forcing based on sun photometer measurements at a semi-arid rural site in Northeast China. <i>Atmospheric Research</i> , 2015 , 157, 56-65	5.4	40

52	Surface and Column-Integrated Aerosol Properties of Heavy Haze Events in January 2013 over the North China Plain. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 1514-1524	4.6	7
51	Fine Mode Aerosol Optical Properties Related to Cloud and Fog Processing over a Cluster of Cities in Northeast China. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 2065-2081	4.6	7
50	Investigation of Aerosol Optical Depth (AOD) and Ångström Exponent over the Desert Region of Northwestern China Based on Measurements from the China Aerosol Remote Sensing Network (CARSNET). <i>Aerosol and Air Quality Research</i> , 2015 , 15, 2024-2036	4.6	10
49	Aerosol Optical Properties over Mount Song, a Rural Site in Central China. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 2051-2064	4.6	14
48	Optical properties and radiative forcing of urban aerosols in Nanjing, China. <i>Atmospheric Environment</i> , 2014 , 83, 43-52	5.3	59
47	A multisource observation study of the severe prolonged regional haze episode over eastern China in January 2013. <i>Atmospheric Environment</i> , 2014 , 89, 807-815	5.3	92
46	Column-integrated aerosol optical and physical properties at a regional background atmosphere in North China Plain. <i>Atmospheric Environment</i> , 2014 , 84, 54-64	5.3	51
45	Clear-sky aerosol optical depth over East China estimated from visibility measurements and chemical transport modeling. <i>Atmospheric Environment</i> , 2014 , 95, 258-267	5.3	41
44	Development of an integrating sphere calibration method for Cimel sunphotometers in China aerosol remote sensing network. <i>Particuology</i> , 2014 , 13, 88-99	2.8	24
43	Column aerosol optical properties and aerosol radiative forcing during a serious haze-fog month over North China Plain in 2013 based on ground-based sunphotometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 2125-2138	6.8	228
42	PM _{2.5} pollution in a megacity of southwest China: source apportionment and implication. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 8679-8699	6.8	243
41	Aerosol Optical Properties Retrieved from a Prede Sky Radiometer over an Urban Site of Beijing, China. <i>Journal of the Meteorological Society of Japan</i> , 2014 , 92A, 17-31	2.8	6
40	Study of Aerosol Optical Properties Based on Ground Measurements over Sichuan Basin, China. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 905-915	4.6	22
39	Case study of longwave contribution to dust radiative effects over East Asia. <i>Science Bulletin</i> , 2013 , 58, 3673-3681		18
38	Aerosol optical properties over urban and industrial region of Northeast China by using ground-based sun-photometer measurement. <i>Atmospheric Environment</i> , 2013 , 75, 270-278	5.3	44
37	Characteristics of visibility and particulate matter (PM) in an urban area of Northeast China. <i>Atmospheric Pollution Research</i> , 2013 , 4, 427-434	4.5	83
36	Variation of Aerosol Optical Properties over the Taklimakan Desert in China. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 777-785	4.6	43
35	Simulation of direct radiative forcing of aerosols and their effects on East Asian climate using an interactive AGCM-aerosol coupled system. <i>Climate Dynamics</i> , 2012 , 38, 1675-1693	4.2	112

34	Towards the improvements of simulating the chemical and optical properties of Chinese aerosols using an online coupled model [CUACE/Aero. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2012 , 64, 18965	3.3	56
33	Development of a new data-processing method for SKYNET sky radiometer observations. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 2723-2737	4	57
32	Spatio-temporal variation trends of satellite-based aerosol optical depth in China during 1980-2008. <i>Atmospheric Environment</i> , 2011 , 45, 6802-6811	5.3	171
31	Aerosol optical properties at Mt. Waliguan Observatory, China. <i>Atmospheric Environment</i> , 2011 , 45, 6004-6009	5.3	51
30	Validation of MODIS aerosol optical depth product over China using CARSNET measurements. <i>Atmospheric Environment</i> , 2011 , 45, 5970-5978	5.3	98
29	Assessment of In-situ Langley Calibration of CE-318 Sunphotometer at Mt. Waliguan Observatory, China. <i>Scientific Online Letters on the Atmosphere</i> , 2011 , 7, 89-92	2.1	5
28	Visual range trends in the Yangtze River Delta Region of China, 1981-2005. <i>Journal of the Air and Waste Management Association</i> , 2011 , 61, 843-9	2.4	57
27	Monitoring haze episodes over the Yellow Sea by combining multisensor measurements. <i>International Journal of Remote Sensing</i> , 2010 , 31, 4743-4755	3.1	28
26	Aerosol optical properties based on ground measurements over the Chinese Yangtze Delta Region. <i>Atmospheric Environment</i> , 2010 , 44, 2587-2596	5.3	92
25	Aerosol optical properties of regional background atmosphere in Northeast China. <i>Atmospheric Environment</i> , 2010 , 44, 4404-4412	5.3	54
24	CHANGES OF ATMOSPHERIC COMPOSITION AND OPTICAL PROPERTIES OVER BEIJING-2008 Olympic Monitoring Campaign. <i>Bulletin of the American Meteorological Society</i> , 2009 , 90, 1633-1652	6.1	97
23	Study on the aerosol optical properties and their relationship with aerosol chemical compositions over three regional background stations in China. <i>Atmospheric Environment</i> , 2009 , 43, 1093-1099	5.3	46
22	Correlation between PM concentrations and aerosol optical depth in eastern China. <i>Atmospheric Environment</i> , 2009 , 43, 5876-5886	5.3	166
21	Haze trends over the capital cities of 31 provinces in China, 1981-2005. <i>Theoretical and Applied Climatology</i> , 2009 , 97, 235-242	3	148
20	Aerosol optical properties and its radiative forcing over Yulin, China in 2001 and 2002. <i>Advances in Atmospheric Sciences</i> , 2009 , 26, 564-576	2.9	24
19	A new method to retrieve aerosol optical thickness from satellite images on a parallel system. <i>Particuology</i> , 2009 , 7, 392-398	2.8	3
18	Aerosol radiative forcing under clear, hazy, foggy, and dusty weather conditions over Beijing, China. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	38
17	Instrument calibration and aerosol optical depth validation of the China Aerosol Remote Sensing Network. <i>Journal of Geophysical Research</i> , 2009 , 114,		185

16	Data Quality Assessment and the Long-Term Trend of Ground Solar Radiation in China. <i>Journal of Applied Meteorology and Climatology</i> , 2008 , 47, 1006-1016	2.7	174
15	Intercomparison between aerosol optical properties by a PREDE skyradiometer and CIMEL sunphotometer over Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 3199-3214	6.8	83
14	Horizontal visibility trends in China 1981-2005. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	172
13	Analysis of sky conditions using 40 year records of solar radiation data in China. <i>Theoretical and Applied Climatology</i> , 2007 , 89, 83-94	3	28
12	Approximations of the scattering phase functions of particles. <i>Advances in Atmospheric Sciences</i> , 2006 , 23, 802-808	2.9	12
11	Relationship between horizontal extinction coefficient and PM ₁₀ concentration in Xi'an, china, during 1980-2002. <i>Particuology: Science and Technology of Particles</i> , 2006 , 4, 327-329		11
10	Comparison of EC and BC and evaluation of dust aerosol contribution to light absorption in Xi'an, China. <i>Environmental Monitoring and Assessment</i> , 2006 , 120, 301-12	3.1	11
9	Analysis of 40 years of solar radiation data from China, 1961-2000. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	228
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