

Bo Hu

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152
papers

3,700
citations

34
h-index

55
g-index

164
ext. papers

4,595
ext. citations

6.7
avg, IF

5.52
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 152 | Mechanism for the formation of the January 2013 heavy haze pollution episode over central and eastern China. <i>Science China Earth Sciences</i> , 2014 , 57, 14-25 | 4.6 | 512 |
| 151 | Aerosol optical depth (AOD) and Ångström exponent of aerosols observed by the Chinese Sun Hazemeter Network from August 2004 to September 2005. <i>Journal of Geophysical Research</i> , 2007 , 112, | | 153 |
| 150 | Seasonal and diurnal variation in particulate matter (PM10 and PM2.5) at an urban site of Beijing: analyses from a 9-year study. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 627-42 | 5.1 | 151 |
| 149 | Long-range transport and regional sources of PM2.5 in Beijing based on long-term observations from 2005 to 2010. <i>Atmospheric Research</i> , 2015 , 157, 37-48 | 5.4 | 132 |
| 148 | Contrasting trends of PM and surface-ozone concentrations in China from 2013 to 2017. <i>National Science Review</i> , 2020 , 7, 1331-1339 | 10.8 | 119 |
| 147 | The Campaign on Atmospheric Aerosol Research Network of China: CARE-China. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 1137-1155 | 6.1 | 98 |
| 146 | Photo-induced ultrafast active ion transport through graphene oxide membranes. <i>Nature Communications</i> , 2019 , 10, 1171 | 17.4 | 82 |
| 145 | The Influence of Climate Factors, Meteorological Conditions, and Boundary-Layer Structure on Severe Haze Pollution in the Beijing-Tianjin-Hebei Region during January 2013. <i>Advances in Meteorology</i> , 2014 , 2014, 1-14 | 1.7 | 74 |
| 144 | Characteristics of aerosol size distributions and chemical compositions during wintertime pollution episodes in Beijing. <i>Atmospheric Research</i> , 2016 , 168, 1-12 | 5.4 | 72 |
| 143 | Seasonal variations in aerosol optical properties over China. <i>Journal of Geophysical Research</i> , 2011 , 116, | | 72 |
| 142 | Trends in particulate matter and its chemical compositions in China from 2013-2017. <i>Science China Earth Sciences</i> , 2019 , 62, 1857-1871 | 4.6 | 67 |
| 141 | Variability and reduction of atmospheric pollutants in Beijing and its surrounding area during the Beijing 2008 Olympic Games. <i>Science Bulletin</i> , 2010 , 55, 1937-1944 | | 67 |
| 140 | Phosphorylation and activation of ubiquitin-specific protease-14 by Akt regulates the ubiquitin-proteasome system. <i>ELife</i> , 2015 , 4, e10510 | 8.9 | 66 |
| 139 | Regional pollution and its formation mechanism over North China Plain: A case study with ceilometer observations and model simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 14,574-14,588 | 4.4 | 62 |
| 138 | Radiative and heterogeneous chemical effects of aerosols on ozone and inorganic aerosols over East Asia. <i>Science of the Total Environment</i> , 2018 , 622-623, 1327-1342 | 10.2 | 54 |
| 137 | Evaporation modelling using different machine learning techniques. <i>International Journal of Climatology</i> , 2017 , 37, 1076-1092 | 3.5 | 52 |
| 136 | Size-resolved aerosol water-soluble ions during the summer and winter seasons in Beijing: Formation mechanisms of secondary inorganic aerosols. <i>Chemosphere</i> , 2017 , 183, 119-131 | 8.4 | 47 |

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| 135 | Two-way shape memory property and its structural origin of cross-linked poly(ϵ -caprolactone). <i>RSC Advances</i> , 2014 , 4, 55483-55494 | 3.7 | 47 |
| 134 | Characteristics of chemical composition and seasonal variations of PM in Shijiazhuang, China: Impact of primary emissions and secondary formation. <i>Science of the Total Environment</i> , 2019 , 677, 215-229 | 10.2 | 45 |
| 133 | The carbonaceous aerosol levels still remain a challenge in the Beijing-Tianjin-Hebei region of China: Insights from continuous high temporal resolution measurements in multiple cities. <i>Environment International</i> , 2019 , 126, 171-183 | 12.9 | 44 |
| 132 | Exploring the regional pollution characteristics and meteorological formation mechanism of PM in North China during 2013-2017. <i>Environment International</i> , 2020 , 134, 105283 | 12.9 | 43 |
| 131 | Characterization of black carbon in an urban-rural fringe area of Beijing. <i>Environmental Pollution</i> , 2017 , 223, 524-534 | 9.3 | 42 |
| 130 | Characteristics of fine particle explosive growth events in Beijing, China: Seasonal variation, chemical evolution pattern and formation mechanism. <i>Science of the Total Environment</i> , 2019 , 687, 1073-1086 | 10.2 | 42 |
| 129 | Characterization and source identification of fine particulate matter in urban Beijing during the 2015 Spring Festival. <i>Science of the Total Environment</i> , 2018 , 628-629, 430-440 | 10.2 | 42 |
| 128 | Reductions of PM _{2.5} in Beijing-Tianjin-Hebei urban agglomerations during the 2008 Olympic Games. <i>Advances in Atmospheric Sciences</i> , 2012 , 29, 1330-1342 | 2.9 | 42 |
| 127 | Measurement and estimation of photosynthetically active radiation from 1961 to 2011 in Central China. <i>Applied Energy</i> , 2013 , 111, 1010-1017 | 10.7 | 41 |
| 126 | Source appointment of fine particle number and volume concentration during severe haze pollution in Beijing in January 2013. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 6845-60 | 5.1 | 40 |
| 125 | Spatiotemporal characteristics of photosynthetically active radiation in China. <i>Journal of Geophysical Research</i> , 2007 , 112, | | 39 |
| 124 | Two-year continuous measurements of carbonaceous aerosols in urban Beijing, China: Temporal variations, characteristics and source analyses. <i>Chemosphere</i> , 2018 , 200, 191-200 | 8.4 | 37 |
| 123 | Atmospheric levels, variations, sources and health risk of PM-bound polycyclic aromatic hydrocarbons during winter over the North China Plain. <i>Science of the Total Environment</i> , 2019 , 655, 581-590 | 10.2 | 37 |
| 122 | Water-soluble ions in PM during spring haze and dust periods in Chengdu, China: Variations, nitrate formation and potential source areas. <i>Environmental Pollution</i> , 2018 , 243, 1740-1749 | 9.3 | 37 |
| 121 | The observation-based relationships between PM _{2.5} and AOD over China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 10,701-10,716 | 4.4 | 35 |
| 120 | Electric-Field-Induced Ionic Sieving at Planar Graphene Oxide Heterojunctions for Miniaturized Water Desalination. <i>Advanced Materials</i> , 2020 , 32, e1903954 | 24 | 34 |
| 119 | Aerosol-photolysis interaction reduces particulate matter during wintertime haze events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 9755-9761 | 11.5 | 34 |
| 118 | Vertical characteristics of VOCs in the lower troposphere over the North China Plain during pollution periods. <i>Environmental Pollution</i> , 2018 , 236, 907-915 | 9.3 | 32 |

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| 117 | Quantification of the impact of aerosol on broadband solar radiation in North China. <i>Scientific Reports</i> , 2017 , 7, 44851 | 4.9 | 32 |
| 116 | Variation characteristics of ultraviolet radiation derived from measurement and reconstruction in Beijing, China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2010 , 62, 100-108 | 3.3 | 32 |
| 115 | Aerosol radiation feedback deteriorates the wintertime haze in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8703-8719 | 6.8 | 30 |
| 114 | In situ measurement of PM1 organic aerosol in Beijing winter using a high-resolution aerosol mass spectrometer. <i>Science Bulletin</i> , 2012 , 57, 819-826 | | 29 |
| 113 | Spatial-temporal characteristics of aerosol loading over the Yangtze River Basin during 2001-2015. <i>International Journal of Climatology</i> , 2018 , 38, 2138-2152 | 3.5 | 28 |
| 112 | Double Crystalline Multiblock Copolymers with Controlling Microstructure for High Shape Memory Fixity and Recovery. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30046-30055 | 9.5 | 28 |
| 111 | Evolution of boundary layer ozone in Shijiazhuang, a suburban site on the North China Plain. <i>Journal of Environmental Sciences</i> , 2019 , 83, 152-160 | 6.4 | 27 |
| 110 | Validation of MODIS aerosol products by CSHNET over China. <i>Science Bulletin</i> , 2007 , 52, 1708-1718 | | 25 |
| 109 | Influences of the clearness index on UV solar radiation for two locations in the Tibetan Plateau-Lhasa and Haibei. <i>Advances in Atmospheric Sciences</i> , 2008 , 25, 885-896 | 2.9 | 23 |
| 108 | First Effort at Constructing a High-Density Photosynthetically Active Radiation Dataset during 1961-2014 in China. <i>Journal of Climate</i> , 2019 , 32, 2761-2780 | 4.4 | 22 |
| 107 | Meteorological mechanism for a large-scale persistent severe ozone pollution event over eastern China in 2017. <i>Journal of Environmental Sciences</i> , 2020 , 92, 187-199 | 6.4 | 22 |
| 106 | Characterization of fine particles during the 2014 Asia-Pacific economic cooperation summit: Number concentration, size distribution and sources. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2017 , 69, 1303228 | 3.3 | 21 |
| 105 | The Variations and Trends of MODIS C5 & C6 Products Errors in the Recent Decade over the Background and Urban Areas of North China. <i>Remote Sensing</i> , 2016 , 8, 754 | 5 | 21 |
| 104 | Long-term trends in photosynthetically active radiation in Beijing. <i>Advances in Atmospheric Sciences</i> , 2010 , 27, 1380-1388 | 2.9 | 20 |
| 103 | Significant changes in autumn and winter aerosol composition and sources in Beijing from 2012 to 2018: Effects of clean air actions. <i>Environmental Pollution</i> , 2021 , 268, 115855 | 9.3 | 20 |
| 102 | Modeling and analysis of the spatiotemporal variations of photosynthetically active radiation in China during 1961-2012. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 49, 1019-1032 | 16.2 | 19 |
| 101 | Process analysis of characteristics of the boundary layer during a heavy haze pollution episode in an inland megacity, China. <i>Journal of Environmental Sciences</i> , 2016 , 40, 138-44 | 6.4 | 19 |
| 100 | Prediction of diffuse photosynthetically active radiation using different soft computing techniques. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017 , 143, 2235-2244 | 6.4 | 18 |

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| 99 | PM2.5 Characteristics and Regional Transport Contribution in Five Cities in Southern North China Plain, During 2013-2015. <i>Atmosphere</i> , 2018 , 9, 157 | 2.7 | 18 |
| 98 | Empirical studies of cloud effects on ultraviolet radiation in Central China. <i>International Journal of Climatology</i> , 2014 , 34, 2218-2228 | 3.5 | 17 |
| 97 | Dynamics of the microfauna community in a full-scale municipal wastewater treatment plant experiencing sludge bulking. <i>European Journal of Protistology</i> , 2013 , 49, 491-9 | 3.6 | 17 |
| 96 | Different HONO Sources for Three Layers at the Urban Area of Beijing. <i>Environmental Science & Technology</i> , 2020 , 54, 12870-12880 | 10.3 | 17 |
| 95 | Size distributions and elemental compositions of particulate matter on clear, hazy and foggy days in Beijing, China. <i>Advances in Atmospheric Sciences</i> , 2010 , 27, 663-675 | 2.9 | 16 |
| 94 | Mixing layer transport flux of particulate matter in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 9531-9540 | 6.8 | 15 |
| 93 | Systematic analysis of microfauna indicator values for treatment performance in a full-scale municipal wastewater treatment plant. <i>Journal of Environmental Sciences</i> , 2013 , 25, 1379-85 | 6.4 | 15 |
| 92 | Validation of MODIS C6 AOD products retrieved by the Dark Target method in the Beijing-Tianjin-Hebei urban agglomeration, China. <i>Advances in Atmospheric Sciences</i> , 2017 , 34, 993-1002 | 2.9 | 15 |
| 91 | Thermal internal boundary layer and its effects on air pollutants during summer in a coastal city in North China. <i>Journal of Environmental Sciences</i> , 2018 , 70, 37-44 | 6.4 | 15 |
| 90 | Reversible Lamellar Periodic Structures Induced by Sequential Crystallization/Melting in PBS-co-PCL Multiblock Copolymer. <i>Macromolecules</i> , 2018 , 51, 1100-1109 | 5.5 | 14 |
| 89 | Estimation of hourly and daily photosynthetically active radiation in Inner Mongolia, China, from 1990 to 2012. <i>International Journal of Climatology</i> , 2015 , 35, 3120-3131 | 3.5 | 14 |
| 88 | Typical polar organic aerosol tracers in PM over the North China Plain: Spatial distribution, seasonal variations, contribution and sources. <i>Chemosphere</i> , 2018 , 209, 758-766 | 8.4 | 14 |
| 87 | Superior shape memory properties and microstructure evolution of poly(ether-b-amide) elastomer enhanced by poly(ϵ -caprolactone). <i>RSC Advances</i> , 2015 , 5, 50628-50637 | 3.7 | 13 |
| 86 | Different roles of nitrate and sulfate in air pollution episodes in the North China Plain. <i>Atmospheric Environment</i> , 2020 , 224, 117325 | 5.3 | 13 |
| 85 | Determination of magnetic anisotropy constants and domain wall pinning energy of Fe/MgO(001) ultrathin film by anisotropic magnetoresistance. <i>Scientific Reports</i> , 2015 , 5, 14114 | 4.9 | 13 |
| 84 | Model analysis of aerosol optical depth distributions over East Asia. <i>Science China Earth Sciences</i> , 2010 , 53, 1079-1090 | 4.6 | 13 |
| 83 | Photoinduced Directional Proton Transport through Printed Asymmetric Graphene Oxide Superstructures: A New Driving Mechanism under Full-Area Light Illumination. <i>Advanced Functional Materials</i> , 2020 , 30, 1907549 | 15.6 | 13 |
| 82 | Highly time-resolved chemical characterization and implications of regional transport for submicron aerosols in the North China Plain. <i>Science of the Total Environment</i> , 2020 , 705, 135803 | 10.2 | 13 |

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| 81 | Wintertime nitrate formation pathways in the north China plain: Importance of NO heterogeneous hydrolysis. <i>Environmental Pollution</i> , 2020 , 266, 115287 | 9.3 | 13 |
| 80 | Two ultraviolet radiation datasets that cover China. <i>Advances in Atmospheric Sciences</i> , 2017 , 34, 805-815 | 2.9 | 12 |
| 79 | Significant decreases in the volatile organic compound concentration, atmospheric oxidation capacity and photochemical reactivity during the National Day holiday over a suburban site in the North China Plain. <i>Environmental Pollution</i> , 2020 , 263, 114657 | 9.3 | 12 |
| 78 | Self-Associated Polyamide Alloys with Tailored Polymorphism Transition and Lamellar Thickening for Advanced Mechanical Application. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19238-19247 | 9.5 | 11 |
| 77 | Aerosol optical characteristics and radiative forcing in urban Beijing. <i>Atmospheric Environment</i> , 2019 , 212, 41-53 | 5.3 | 11 |
| 76 | Wet deposition and scavenging ratio of air pollutants during an extreme rainstorm in the North China Plain. <i>Atmospheric and Oceanic Science Letters</i> , 2017 , 10, 348-353 | 1.4 | 11 |
| 75 | Measurements and cloudiness influence on UV radiation in Central China. <i>International Journal of Climatology</i> , 2014 , 34, 3417-3425 | 3.5 | 11 |
| 74 | Comparison of multi-empirical estimation models of photosynthetically active radiation under all sky conditions in Northeast China. <i>Theoretical and Applied Climatology</i> , 2014 , 116, 119-129 | 3 | 11 |
| 73 | Emission characteristics of size distribution, chemical composition and light absorption of particles from field-scale crop residue burning in Northeast China. <i>Science of the Total Environment</i> , 2020 , 710, 136304 | 10.2 | 11 |
| 72 | Impact of residual layer transport on air pollution in Beijing, China. <i>Environmental Pollution</i> , 2021 , 271, 116325 | 9.3 | 11 |
| 71 | Pollution characteristics and potential sources of nitrous acid (HONO) in early autumn 2018 of Beijing. <i>Science of the Total Environment</i> , 2020 , 735, 139317 | 10.2 | 10 |
| 70 | Relationship between net radiation and broadband solar radiation in the Tibetan Plateau. <i>Advances in Atmospheric Sciences</i> , 2012 , 29, 135-143 | 2.9 | 10 |
| 69 | Efficient Vertical Transport of Black Carbon in the Planetary Boundary Layer. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088858 | 4.9 | 10 |
| 68 | Exploring the inorganic and organic nitrate aerosol formation regimes at a suburban site on the North China Plain. <i>Science of the Total Environment</i> , 2021 , 768, 144538 | 10.2 | 10 |
| 67 | Case study of the effects of aerosol chemical composition and hygroscopicity on the scattering coefficient in summer, Xianghe, southeast of Beijing, China. <i>Atmospheric Research</i> , 2019 , 225, 81-87 | 5.4 | 9 |
| 66 | Spatial and temporal variability of open biomass burning in Northeast China from 2003 to 2017. <i>Atmospheric and Oceanic Science Letters</i> , 2020 , 13, 240-247 | 1.4 | 9 |
| 65 | Atmospheric reactivity and oxidation capacity during summer at a suburban site between Beijing and Tianjin. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 8181-8200 | 6.8 | 9 |
| 64 | Mitigating NO emissions does not help alleviate wintertime particulate pollution in Beijing-Tianjin-Hebei, China. <i>Environmental Pollution</i> , 2021 , 279, 116931 | 9.3 | 9 |

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| 63 | Secondary organic aerosols in Jinan, an urban site in North China: Significant anthropogenic contributions to heavy pollution. <i>Journal of Environmental Sciences</i> , 2019 , 80, 107-115 | 6.4 | 9 |
| 62 | Aggravated ozone pollution in the strong free convection boundary layer. <i>Science of the Total Environment</i> , 2021 , 788, 147740 | 10.2 | 9 |
| 61 | Observation and estimation of photosynthetic photon flux density in Southern China. <i>Theoretical and Applied Climatology</i> , 2015 , 120, 701-712 | 3 | 8 |
| 60 | Change in diurnal variations of meteorological variables induced by anthropogenic aerosols over the North China Plain in summer 2008. <i>Theoretical and Applied Climatology</i> , 2016 , 124, 103-118 | 3 | 8 |
| 59 | Responses of protists with different feeding habits to the changes of activated sludge conditions: a study based on biomass data. <i>Journal of Environmental Sciences</i> , 2012 , 24, 2127-32 | 6.4 | 8 |
| 58 | Light-Powered Directional Nanofluidic Ion Transport in Kirigami-Made Asymmetric Photonic-Ionic Devices. <i>Small</i> , 2020 , 16, e1905557 | 11 | 8 |
| 57 | Characteristics and Source Apportionment of Metallic Elements in PM _{2.5} at Urban and Suburban Sites in Beijing: Implication of Emission Reduction. <i>Atmosphere</i> , 2019 , 10, 105 | 2.7 | 7 |
| 56 | Reversal of Aerosol Properties in Eastern China with Rapid Decline of Anthropogenic Emissions. <i>Remote Sensing</i> , 2020 , 12, 523 | 5 | 7 |
| 55 | Probing nonlinear magnetization dynamics in Fe/MgO(001) film by all optical pump-probe technique. <i>Applied Physics Letters</i> , 2014 , 104, 142405 | 3.4 | 7 |
| 54 | Spatiotemporal variations of photosynthetically active radiation and the influencing factors in China from 1961 to 2016. <i>Theoretical and Applied Climatology</i> , 2019 , 137, 2049-2067 | 3 | 7 |
| 53 | Hygroscopicity of Organic Aerosols Linked to Formation Mechanisms. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091683 | 4.9 | 7 |
| 52 | A novel efficient broadband model to derive daily surface solar Ultraviolet radiation (0.280-0.400 μ m). <i>Science of the Total Environment</i> , 2020 , 735, 139513 | 10.2 | 6 |
| 51 | Laterally Heterogeneous 2D Layered Materials as an Artificial Light-Harvesting Proton Pump. <i>Advanced Functional Materials</i> , 2020 , 30, 2001549 | 15.6 | 6 |
| 50 | Potential source regions of air pollutants at a regional background station in Northern China. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 3412-3421 | 2.6 | 6 |
| 49 | Variation characteristics of ultraviolet radiation over the north china plain. <i>Advances in Atmospheric Sciences</i> , 2014 , 31, 110-117 | 2.9 | 6 |
| 48 | The climatological characteristics of photosynthetically active radiation in arid and semi-arid regions of China. <i>Journal of Atmospheric Chemistry</i> , 2012 , 69, 175-186 | 3.2 | 6 |
| 47 | Surface Brightening in Eastern and Central China Since the Implementation of the Clean Air Action in 2013: Causes and Implications. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091105 | 4.9 | 6 |
| 46 | Reconstruction of daily ultraviolet radiation for nine observation stations in China. <i>Journal of Atmospheric Chemistry</i> , 2014 , 71, 303-319 | 3.2 | 5 |

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| 45 | Harnessing Ionic Power from Equilibrium Electrolyte Solution via Photoinduced Active Ion Transport through van-der-Waals-Like Heterostructures. <i>Advanced Materials</i> , 2021 , 33, e2007529 | 24 | 5 |
| 44 | The influence of aerosols on the NO photolysis rate in a suburban site in North China. <i>Science of the Total Environment</i> , 2021 , 767, 144788 | 10.2 | 5 |
| 43 | Significant contribution of spring northwest transport to volatile organic compounds in Beijing. <i>Journal of Environmental Sciences</i> , 2021 , 104, 169-181 | 6.4 | 5 |
| 42 | Elucidating the quantitative characterization of atmospheric oxidation capacity in Beijing, China. <i>Science of the Total Environment</i> , 2021 , 771, 145306 | 10.2 | 5 |
| 41 | Analysis of photosynthetically active radiation and applied parameterization model for estimating of PAR in the North China Plain. <i>Journal of Atmospheric Chemistry</i> , 2016 , 73, 345-362 | 3.2 | 4 |
| 40 | Using synoptic classification and trajectory analysis to assess air quality during the winter heating period in Hqj, China. <i>Advances in Atmospheric Sciences</i> , 2012 , 29, 307-319 | 2.9 | 4 |
| 39 | Trends of photosynthetically active radiation over China from 1961 to 2014. <i>International Journal of Climatology</i> , 2018 , 38, 4007-4024 | 3.5 | 4 |
| 38 | Insights into the chemistry of aerosol growth in Beijing: Implication of fine particle episode formation during wintertime. <i>Chemosphere</i> , 2021 , 274, 129776 | 8.4 | 4 |
| 37 | Photolysis rate in the Beijing-Tianjin-Hebei region: Reconstruction and long-term trend. <i>Atmospheric Research</i> , 2021 , 256, 105568 | 5.4 | 4 |
| 36 | Long-term variation in CO emissions with implications for the interannual trend in PM over the last decade in Beijing, China. <i>Environmental Pollution</i> , 2020 , 266, 115014 | 9.3 | 3 |
| 35 | Long-term variations of ultraviolet radiation in Tibetan Plateau from observation and estimation. <i>International Journal of Climatology</i> , 2015 , 35, 1245-1253 | 3.5 | 3 |
| 34 | UV variability in an arid region of Northwest China from measurements and reconstructions. <i>International Journal of Climatology</i> , 2015 , 35, 1938-1947 | 3.5 | 3 |
| 33 | The characteristics of ultraviolet radiation in arid and semi-arid regions of China. <i>Journal of Atmospheric Chemistry</i> , 2010 , 67, 141-155 | 3.2 | 3 |
| 32 | An Analysis for Vertical Distribution of O ₃ , NO _x and CO in the Atmosphere During a Serious Air Pollution in Beijing. <i>Chinese Journal of Geophysics</i> , 2006 , 49, 1475-1482 | | 3 |
| 31 | Effects of the sea-land breeze on coastal ozone pollution in the Yangtze River Delta, China. <i>Science of the Total Environment</i> , 2021 , 807, 150306 | 10.2 | 3 |
| 30 | Uncertainties of Simulated Aerosol Direct Radiative Effect Induced by Aerosol Chemical Components: A Measurement-Based Perspective From Urban-Forest Transition Region in East China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033688 | 4.4 | 3 |
| 29 | Application of smog chambers in atmospheric process studies.. <i>National Science Review</i> , 2022 , 9, nwab103.8 | 3.8 | 3 |
| 28 | Exploring the variation of black and brown carbon during COVID-19 lockdown in megacity Wuhan and its surrounding cities, China. <i>Science of the Total Environment</i> , 2021 , 791, 148226 | 10.2 | 3 |

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| 27 | Spatiotemporal characteristics of ultraviolet solar radiation in China. <i>Atmospheric and Oceanic Science Letters</i> , 2019 , 12, 302-304 | 1.4 | 2 |
| 26 | Effects of different stagnant meteorological conditions on aerosol chemistry and regional transport changes in Beijing, China. <i>Atmospheric Environment</i> , 2021 , 258, 118483 | 5.3 | 2 |
| 25 | Unsymmetrical magnetization switching in Fe/Si(001) single crystalline film induced by weak bias field. <i>Journal of Applied Physics</i> , 2014 , 115, 123910 | 2.5 | 1 |
| 24 | Mass and number concentration distribution of marine aerosol in the Western Pacific and the influence of continental transport.. <i>Environmental Pollution</i> , 2022 , 298, 118827 | 9.3 | 1 |
| 23 | The impact of the aerosol reduction on the worsening ozone pollution over the Beijing-Tianjin-Hebei region via influencing photolysis rates.. <i>Science of the Total Environment</i> , 2022 , 821, 153197 | 10.2 | 1 |
| 22 | Air stagnation in China: Spatiotemporal variability and differing impact on PM and O during 2013-2018.. <i>Science of the Total Environment</i> , 2022 , 819, 152778 | 10.2 | 1 |
| 21 | Intercomparison of global terrestrial carbon fluxes estimated by MODIS and Earth system models.. <i>Science of the Total Environment</i> , 2021 , 810, 152231 | 10.2 | 1 |
| 20 | Application Potential of Satellite Thermal Anomaly Products in Updating Industrial Emission Inventory of China. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL092997 | 4.9 | 1 |
| 19 | ROx Budgets and O3 Formation during Summertime at Xianghe Suburban Site in the North China Plain. <i>Advances in Atmospheric Sciences</i> , 2021 , 38, 1209-1222 | 2.9 | 1 |
| 18 | Assessment of Atmospheric Oxidizing Capacity Over the Beijing-Tianjin-Hebei (BTH) Area, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033834 | 4.4 | 1 |
| 17 | An unusual high ozone event over the North and Northeast China during the record-breaking summer in 2018. <i>Journal of Environmental Sciences</i> , 2021 , 104, 264-276 | 6.4 | 1 |
| 16 | Morphology and electric conductivity controlling of in situ polymerized poly(decamethylene dodecanoamide)/polyaniline composites. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47041 | 2.9 | 1 |
| 15 | Competition between Chain Extension and Crosslinking in Polyamide 1012 during High-Temperature Thermal Treatments as Revealed by Successive Self-Nucleation and Annealing Fractionation. <i>Macromolecules</i> , 2021 , 54, 7552-7563 | 5.5 | 1 |
| 14 | Vertical Structure of Air Pollutant Transport Flux as Determined by Ground-Based Remote Sensing Observations in Fen-Wei Plain, China. <i>Remote Sensing</i> , 2021 , 13, 3664 | 5 | 1 |
| 13 | Eddy covariance measurements of ozone flux above and below a southern subtropical forest canopy. <i>Science of the Total Environment</i> , 2021 , 791, 148338 | 10.2 | 1 |
| 12 | Chemical characterization and source identification of PM in Luoyang after the clean air actions.. <i>Journal of Environmental Sciences</i> , 2022 , 115, 265-276 | 6.4 | 1 |
| 11 | The environmental benefit of Beijing-Tianjin-Hebei coal banning area for North China.. <i>Journal of Environmental Management</i> , 2022 , 311, 114870 | 7.9 | 1 |
| 10 | Estimation of hourly and daily ultraviolet solar irradiation under various sky conditions at Sanya, Southern China. <i>Theoretical and Applied Climatology</i> , 2015 , 121, 187-198 | 3 | 0 |

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| 9 | Sources of ambient non-methane hydrocarbon compounds and their impacts on O formation during autumn, Beijing.. <i>Journal of Environmental Sciences</i> , 2022 , 114, 85-97 | 6.4 | o |
| 8 | Oscillation cumulative volatile organic compounds on the northern edge of the North China Plain: Impact of mountain-plain breeze.. <i>Science of the Total Environment</i> , 2022 , 821, 153541 | 10.2 | o |
| 7 | The dynamic multi-box algorithm of atmospheric environmental capacity. <i>Science of the Total Environment</i> , 2022 , 806, 150951 | 10.2 | o |
| 6 | Vertical evolution of black and brown carbon during pollution events over North China Plain. <i>Science of the Total Environment</i> , 2022 , 806, 150950 | 10.2 | o |
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