

Shi-chang Kang

List of Publications by Year in descending order

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574
papers

27,654
citations

5896

81
h-index

14208

128
g-index

607
all docs

607
docs citations

607
times ranked

15935
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Physicochemical characteristics and sources of atmospheric dust deposition in snow packs on the glaciers of western Qilian Mountains, China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 66, 20956. | 1.6 | 47 |
| 2 | Spatial and temporal variations of total mercury in Antarctic snow along the transect from Zhongshan Station to Dome A. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 66, 25152. | 1.6 | 17 |
| 3 | Dissolved organic carbon in Alaskan Arctic snow: concentrations, light-absorption properties, and bioavailability. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 72, 1778968. | 1.6 | 13 |
| 4 | Nitrogenous and carbonaceous aerosols in PM2.5 and TSP during pre-monsoon: Characteristics and sources in the highly polluted mountain valley. <i>Journal of Environmental Sciences</i> , 2022, 115, 10-24. | 6.1 | 5 |
| 5 | Arctic air mass triggered the extreme temperature events recorded in the Laohugou ice core from the northeastern Tibetan Plateau. <i>Atmospheric Research</i> , 2022, 265, 105909. | 4.1 | 5 |
| 6 | Modification and coupled use of technologies are an essential envisioned need for bioaerosol study “An emerging public health concern. <i>Fundamental Research</i> , 2022, , . | 3.3 | 4 |
| 7 | Globally elevated chemical weathering rates beneath glaciers. <i>Nature Communications</i> , 2022, 13, 407. | 12.8 | 20 |
| 8 | Concentrations, Compositions, and Deposition Rates of Dissolved Nitrogen in Western China: Insights From Snow Records. <i>Frontiers in Environmental Science</i> , 2022, 9, . | 3.3 | 2 |
| 9 | High-spatial-resolution distributions of aerosol chemical characteristics in urban Lanzhou, western China, during wintertime: Insights from an on-road mobile aerosol mass spectrometry measurement experiment. <i>Science of the Total Environment</i> , 2022, 819, 153069. | 8.0 | 3 |
| 10 | Mt. Everest’s highest glacier is a sentinel for accelerating ice loss. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, . | 6.8 | 19 |
| 11 | Atmospheric Brown Carbon on the Tibetan Plateau: Regional Differences in Chemical Composition and Light Absorption Properties. <i>Environmental Science and Technology Letters</i> , 2022, 9, 219-225. | 8.7 | 9 |
| 12 | First observation of mercury species on an important water vapor channel in the southeastern Tibetan Plateau. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2651-2668. | 4.9 | 8 |
| 13 | Seasonal taxonomic composition of microbial communal shaping the bioaerosols milieu of the urban city of Lanzhou. <i>Archives of Microbiology</i> , 2022, 204, 222. | 2.2 | 2 |
| 14 | Glacier Surface Speed Variations on the Kenai Peninsula, Alaska, 2014–2019. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, . | 2.8 | 9 |
| 15 | Tracing Atmospheric Anthropogenic Black Carbon and Its Potential Radiative Response Over the Third Pole Region: A Synoptic-scale Analysis Using WRF-Chem. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, . | 3.3 | 10 |
| 16 | Impacts of climate change and human activities on runoff changes in the Ob River Basin of the Arctic region from 1980 to 2017. <i>Theoretical and Applied Climatology</i> , 2022, 148, 1663-1674. | 2.8 | 4 |
| 17 | Amplified wintertime Barents Sea warming linked to intensified Barents oscillation. <i>Environmental Research Letters</i> , 2022, 17, 044068. | 5.2 | 11 |
| 18 | Endolithic microbes of rocks, their community, function and survival strategies. <i>International Biodeterioration and Biodegradation</i> , 2022, 169, 105387. | 3.9 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Future Population Exposure to Daytime and Nighttime Heat Waves in South Asia. <i>Earth's Future</i> , 2022, 10, . | 6.3 | 39 |
| 20 | Melting Himalayas and mercury export: Results of continuous observations from the Rongbuk Glacier on Mt. Everest and future insights. <i>Water Research</i> , 2022, 218, 118474. | 11.3 | 7 |
| 21 | Long-term mercury variations in tree rings of the permafrost forest, northeastern China. <i>Science China Earth Sciences</i> , 2022, 65, 1328-1338. | 5.2 | 4 |
| 22 | Spatiotemporal Variation of Snow Cover Frequency in the Qilian Mountains (Northwestern China) during 2000–2020 and Associated Circulation Mechanisms. <i>Remote Sensing</i> , 2022, 14, 2823. | 4.0 | 5 |
| 23 | Major ions and irrigation water quality assessment of the Nepalese Himalayan rivers. <i>Environment, Development and Sustainability</i> , 2021, 23, 2668-2680. | 5.0 | 23 |
| 24 | Mercury biogeochemistry over the Tibetan Plateau: An overview. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 577-602. | 12.8 | 18 |
| 25 | Evidence for Large Amounts of Brown Carbonaceous Tarballs in the Himalayan Atmosphere. <i>Environmental Science and Technology Letters</i> , 2021, 8, 16-23. | 8.7 | 29 |
| 26 | Spatiotemporal variability of snow cover timing and duration over the Eurasian continent during 1966–2012. <i>Science of the Total Environment</i> , 2021, 750, 141670. | 8.0 | 20 |
| 27 | Culture Independent Diversity of Bacterial Communities Indigenous to Lower Altitude at Laohugou Glacial Environment. <i>Geomicrobiology Journal</i> , 2021, 38, 1-13. | 2.0 | 4 |
| 28 | Investigation of black carbon climate effects in the Arctic in winter and spring. <i>Science of the Total Environment</i> , 2021, 751, 142145. | 8.0 | 9 |
| 29 | New insights into heavy metal elements deposition in the snowpacks of mountain glaciers in the eastern Tibetan Plateau. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111228. | 6.0 | 27 |
| 30 | Concentration, sources and wet deposition of dissolved nitrogen and organic carbon in the Northern Indo-Gangetic Plain during monsoon. <i>Journal of Environmental Sciences</i> , 2021, 102, 37-52. | 6.1 | 12 |
| 31 | Airborne bacterial communities over the Tibetan and Mongolian Plateaus: variations and their possible sources. <i>Atmospheric Research</i> , 2021, 247, 105215. | 4.1 | 11 |
| 32 | Fluorescence characteristics of water-soluble organic carbon in atmospheric aerosol†. <i>Environmental Pollution</i> , 2021, 268, 115906. | 7.5 | 49 |
| 33 | Spatial distribution and potential sources of methanesulfonic acid in High Asia glaciers. <i>Atmospheric Research</i> , 2021, 248, 105227. | 4.1 | 1 |
| 34 | Water-soluble organic and inorganic nitrogen in ambient aerosols over the Himalayan middle hills: Seasonality, sources, and transport pathways. <i>Atmospheric Research</i> , 2021, 250, 105376. | 4.1 | 18 |
| 35 | Carbonaceous matter in the atmosphere and glaciers of the Himalayas and the Tibetan plateau: An investigative review. <i>Environment International</i> , 2021, 146, 106281. | 10.0 | 42 |
| 36 | Eight-year analysis of radiative properties of clouds and its impact on melting on the Laohugou Glacier No. 12, western Qilian Mountains. <i>Atmospheric Research</i> , 2021, 250, 105410. | 4.1 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Continuously observed light absorbing impurities in snow cover over the southern Altai Mts. in China: Concentrations, impacts and potential sources. <i>Environmental Pollution</i> , 2021, 270, 116234. | 7.5 | 10 |
| 38 | Isotopic signatures of stratospheric air at the Himalayas and beyond. <i>Science Bulletin</i> , 2021, 66, 323-326. | 9.0 | 7 |
| 39 | Microplastics in glaciers of the Tibetan Plateau: Evidence for the long-range transport of microplastics. <i>Science of the Total Environment</i> , 2021, 758, 143634. | 8.0 | 153 |
| 40 | Light absorption and fluorescence characteristics of water-soluble organic compounds in carbonaceous particles at a typical remote site in the southeastern Himalayas and Tibetan Plateau. <i>Environmental Pollution</i> , 2021, 272, 116000. | 7.5 | 19 |
| 41 | Snow cover controls seasonally frozen ground regime on the southern edge of Altai Mountains. <i>Agricultural and Forest Meteorology</i> , 2021, 297, 108271. | 4.8 | 18 |
| 42 | Contribution of South Asian biomass burning to black carbon over the Tibetan Plateau and its climatic impact. <i>Environmental Pollution</i> , 2021, 270, 116195. | 7.5 | 18 |
| 43 | New insights into trace elements in the water cycle of a karst-dominated glacierized region, southeast Tibetan Plateau. <i>Science of the Total Environment</i> , 2021, 751, 141725. | 8.0 | 8 |
| 44 | Spatio-temporal characteristics of air pollutants over Xinjiang, northwestern China. <i>Environmental Pollution</i> , 2021, 268, 115907. | 7.5 | 38 |
| 45 | Microplastics in freshwater sediment: A review on methods, occurrence, and sources. <i>Science of the Total Environment</i> , 2021, 754, 141948. | 8.0 | 245 |
| 46 | Bacterial Diversity and Communities Structural Dynamics in Soil and Meltwater Runoff at the Frontier of Baishui Glacier No.1, China. <i>Microbial Ecology</i> , 2021, 81, 370-384. | 2.8 | 14 |
| 47 | Glacier elevation change in the Western Qilian mountains as observed by TerraSAR-X/TanDEM-X images. <i>Geocarto International</i> , 2021, 36, 1365-1377. | 3.5 | 6 |
| 48 | Shallow hot-point drill system for active layer temperature measurement along Zhongshanâ€Dome A traverse, Antarctica. <i>Annals of Glaciology</i> , 2021, 62, 157-165. | 1.4 | 2 |
| 49 | Significant Influence of Carbonates on Determining Organic Carbon and Black Carbon: A Case Study in Tajikistan, Central Asia. <i>Environmental Science & Technology</i> , 2021, 55, 2839-2846. | 10.0 | 9 |
| 50 | Quantification and implication of measurement bias of ambient atmospheric BC concentration. <i>Atmospheric Environment</i> , 2021, 249, 118244. | 4.1 | 2 |
| 51 | Black Carbon in Surface Soil and Its Sources in Three Central Asian Countries. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 80, 558-566. | 4.1 | 3 |
| 52 | Black carbon concentration in the central Himalayas: Impact on glacier melt and potential source contribution. <i>Environmental Pollution</i> , 2021, 275, 116544. | 7.5 | 32 |
| 53 | Glacial record of trace metal pollution over the Central Himalayas and its surroundings: Distribution, variation, and anthropogenic signals. <i>Atmospheric Research</i> , 2021, 251, 105428. | 4.1 | 3 |
| 54 | Accelerating permafrost collapse on the eastern Tibetan Plateau. <i>Environmental Research Letters</i> , 2021, 16, 054023. | 5.2 | 24 |

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|----|---|------|-----------|
| 55 | Sources and light absorption characteristics of water-soluble organic carbon (WSOC) of atmospheric particles at a remote area in inner Himalayas and Tibetan Plateau. <i>Atmospheric Research</i> , 2021, 253, 105472. | 4.1 | 9 |
| 56 | Reduced microbial stability in the active layer is associated with carbon loss under alpine permafrost degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 138 |
| 57 | Warming amplification over the Arctic Pole and Third Pole: Trends, mechanisms and consequences. <i>Earth-Science Reviews</i> , 2021, 217, 103625. | 9.1 | 157 |
| 58 | Lake water storage change estimation and its linkage with terrestrial water storage change in the northeastern Tibetan Plateau. <i>Journal of Mountain Science</i> , 2021, 18, 1737-1747. | 2.0 | 2 |
| 59 | Hf ^ε –Nd ^ε –Sr Isotopic Composition of the Tibetan Plateau Dust as a Fingerprint for Regional to Hemispherical Transport. <i>Environmental Science & Technology</i> , 2021, 55, 10121-10132. | 10.0 | 21 |
| 60 | Characteristics of dissolved organic carbon and nitrogen in precipitation in the northern Tibetan Plateau. <i>Science of the Total Environment</i> , 2021, 776, 145911. | 8.0 | 8 |
| 61 | PM1 chemical composition and light absorption properties in urban and rural areas within Sichuan Basin, southwest China. <i>Environmental Pollution</i> , 2021, 280, 116970. | 7.5 | 4 |
| 62 | Variation of sea ice and perspectives of the Northwest Passage in the Arctic Ocean. <i>Advances in Climate Change Research</i> , 2021, 12, 447-455. | 5.1 | 12 |
| 63 | Prediction of changes in water balance of Nam Co Lake under projected climate change scenarios. <i>Hydrological Sciences Journal</i> , 2021, 66, 1712-1727. | 2.6 | 2 |
| 64 | Microplastics in soil: A review on methods, occurrence, sources, and potential risk. <i>Science of the Total Environment</i> , 2021, 780, 146546. | 8.0 | 374 |
| 65 | Sulfur aerosols in the Arctic, Antarctic, and Tibetan Plateau: Current knowledge and future perspectives. <i>Earth-Science Reviews</i> , 2021, 220, 103753. | 9.1 | 9 |
| 66 | Increasing cloud water resource in a warming world. <i>Environmental Research Letters</i> , 2021, 16, 124067. | 5.2 | 3 |
| 67 | Regional Differences in the Light Absorption Properties of Fine Particulate Matter Over the Tibetan Plateau: Insights From HR ^ε ToF ^ε AMS and Aethalometer Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, . | 3.3 | 4 |
| 68 | Perspectives on future sea ice and navigability in the Arctic. <i>Cryosphere</i> , 2021, 15, 5473-5482. | 3.9 | 18 |
| 69 | Mercury isotopes in frozen soils reveal transboundary atmospheric mercury deposition over the Himalayas and Tibetan Plateau. <i>Environmental Pollution</i> , 2020, 256, 113432. | 7.5 | 23 |
| 70 | Carbonaceous matter in glacier at the headwaters of the Yangtze River: Concentration, sources and fractionation during the melting process. <i>Journal of Environmental Sciences</i> , 2020, 87, 389-397. | 6.1 | 11 |
| 71 | Light absorption, fluorescence properties and sources of brown carbon aerosols in the Southeast Tibetan Plateau. <i>Environmental Pollution</i> , 2020, 257, 113616. | 7.5 | 45 |
| 72 | Investigation of variations, causes and component distributions of PM2.5 mass in China using a coupled regional climate-chemistry model. <i>Atmospheric Pollution Research</i> , 2020, 11, 319-331. | 3.8 | 11 |

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|----|---|-----|-----------|
| 73 | Investigation of distribution, transportation, and impact factors of atmospheric black carbon in the Arctic region based on a regional climate-chemistry model. <i>Environmental Pollution</i> , 2020, 257, 113127. | 7.5 | 20 |
| 74 | Measurement of mercury, other trace elements and major ions in wet deposition at Jomsom: The semi-arid mountain valley of the Central Himalaya. <i>Atmospheric Research</i> , 2020, 234, 104691. | 4.1 | 39 |
| 75 | High particulate carbon deposition in Lhasa—a typical city in the Himalayan—Tibetan Plateau due to local contributions. <i>Chemosphere</i> , 2020, 247, 125843. | 8.2 | 11 |
| 76 | Seasonality of carbonaceous aerosol composition and light absorption properties in Karachi, Pakistan. <i>Journal of Environmental Sciences</i> , 2020, 90, 286-296. | 6.1 | 20 |
| 77 | Regional Differences of Chemical Composition and Optical Properties of Aerosols in the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031226. | 3.3 | 16 |
| 78 | A hybrid method for PM _{2.5} source apportionment through WRF-Chem simulations and an assessment of emission-reduction measures in western China. <i>Atmospheric Research</i> , 2020, 236, 104787. | 4.1 | 12 |
| 79 | Chemical components and distributions in precipitation in the Third Pole. , 2020, , 3-41. | | 1 |
| 80 | Chemical components and distributions in glaciers of the Third Pole. , 2020, , 71-134. | | 5 |
| 81 | Nutrients and organic carbons in river waters of the Third Pole. , 2020, , 179-209. | | 1 |
| 82 | Permafrost degradation enhances the risk of mercury release on Qinghai-Tibetan Plateau. <i>Science of the Total Environment</i> , 2020, 708, 135127. | 8.0 | 35 |
| 83 | Investigating air pollutant concentrations, impact factors, and emission control strategies in western China by using a regional climate-chemistry model. <i>Chemosphere</i> , 2020, 246, 125767. | 8.2 | 26 |
| 84 | Potential Effect of Black Carbon on Glacier Mass Balance during the Past 55 Years of Laohugou Glacier No. 12, Western Qilian Mountains. <i>Journal of Earth Science (Wuhan, China)</i> , 2020, 31, 410-418. | 3.2 | 23 |
| 85 | Black carbon in surface soil of the Himalayas and Tibetan Plateau and its contribution to total black carbon deposition at glacial region. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2670-2676. | 5.3 | 13 |
| 86 | Critical contribution of south Asian residential emissions to atmospheric black carbon over the Tibetan plateau. <i>Science of the Total Environment</i> , 2020, 709, 135923. | 8.0 | 18 |
| 87 | Microbial mercury methylation profile in terminus of a high-elevation glacier on the northern boundary of the Tibetan Plateau. <i>Science of the Total Environment</i> , 2020, 708, 135226. | 8.0 | 13 |
| 88 | Light-absorbing impurities accelerating glacial melting in southeastern Tibetan Plateau. <i>Environmental Pollution</i> , 2020, 257, 113541. | 7.5 | 24 |
| 89 | Review of snow cover variation over the Tibetan Plateau and its influence on the broad climate system. <i>Earth-Science Reviews</i> , 2020, 201, 103043. | 9.1 | 162 |
| 90 | Elevation dependent warming over the Tibetan Plateau: Patterns, mechanisms and perspectives. <i>Earth-Science Reviews</i> , 2020, 210, 103349. | 9.1 | 132 |

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|-----|---|------|-----------|
| 91 | Isotopic constraints on the formation pathways and sources of atmospheric nitrate in the Mt. Everest region. <i>Environmental Pollution</i> , 2020, 267, 115274. | 7.5 | 9 |
| 92 | A review of black carbon in snow and ice and its impact on the cryosphere. <i>Earth-Science Reviews</i> , 2020, 210, 103346. | 9.1 | 139 |
| 93 | Investigation of the spatio-temporal heterogeneity and optical property of water-soluble organic carbon in atmospheric aerosol and snow over the Yulong Snow Mountain, southeastern Tibetan Plateau. <i>Environment International</i> , 2020, 144, 106045. | 10.0 | 12 |
| 94 | Spatial and temporal variations of refractory black carbon along the transect from Zhongshan Station to Dome A, eastern Antarctica. <i>Atmospheric Environment</i> , 2020, 242, 117816. | 4.1 | 4 |
| 95 | Surface mean temperature from the observational stations and multiple reanalyses over the Tibetan Plateau. <i>Climate Dynamics</i> , 2020, 55, 2405-2419. | 3.8 | 42 |
| 96 | Observing and Modeling the Isotopic Evolution of Snow Meltwater on the Southeastern Tibetan Plateau. <i>Water Resources Research</i> , 2020, 56, e2019WR026423. | 4.2 | 15 |
| 97 | Changes in sea ice and future accessibility along the Arctic Northeast Passage. <i>Global and Planetary Change</i> , 2020, 195, 103319. | 3.5 | 39 |
| 98 | Aeolian dust transport, cycle and influences in high-elevation cryosphere of the Tibetan Plateau region: New evidences from alpine snow and ice. <i>Earth-Science Reviews</i> , 2020, 211, 103408. | 9.1 | 43 |
| 99 | Can summer monsoon moisture invade the Jade Pass in Northwestern China?. <i>Climate Dynamics</i> , 2020, 55, 3101-3115. | 3.8 | 11 |
| 100 | A Complete Isotope ($\delta^{15}\text{N}$, $\delta^{18}\text{O}$, $\delta^{17}\text{O}$) Investigation of Atmospherically Deposited Nitrate in Glacial-Hydrologic Systems Across the Third Pole Region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031878. | 3.3 | 6 |
| 101 | Seasonal Variation of Mercury and Its Isotopes in Atmospheric Particles at the Coastal Zhongshan Station, Eastern Antarctica. <i>Environmental Science & Technology</i> , 2020, 54, 11344-11355. | 10.0 | 23 |
| 102 | Arctic sea-ice loss intensifies aerosol transport to the Tibetan Plateau. <i>Nature Climate Change</i> , 2020, 10, 1037-1044. | 18.8 | 68 |
| 103 | Magnetic characteristics of lake sediments in Qiangyong Co Lake, southern Tibetan Plateau and their application to the evaluation of mercury deposition. <i>Journal of Chinese Geography</i> , 2020, 30, 1481-1494. | 3.9 | 2 |
| 104 | Resurrection of inactive microbes and resistome present in the natural frozen world: Reality or myth?. <i>Science of the Total Environment</i> , 2020, 735, 139275. | 8.0 | 21 |
| 105 | Projected Changes in Snow Water Equivalent over the Tibetan Plateau under Global Warming of 1.5°C and 2°C. <i>Journal of Climate</i> , 2020, 33, 5141-5154. | 3.2 | 18 |
| 106 | Data on DOC and N from the Muz tau glacier in Central Asia. <i>Data in Brief</i> , 2020, 30, 105556. | 1.0 | 0 |
| 107 | Mercury variation and export in trans-Himalayan rivers: Insights from field observations in the Koshi River. <i>Science of the Total Environment</i> , 2020, 738, 139836. | 8.0 | 12 |
| 108 | Pigment production by cold-adapted bacteria and fungi: colorful tale of cryosphere with wide range applications. <i>Extremophiles</i> , 2020, 24, 447-473. | 2.3 | 88 |

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|-----|---|-----|-----------|
| 109 | PM2.5 and O3 pollution during 2015–2019 over 367 Chinese cities: Spatiotemporal variations, meteorological and topographical impacts. <i>Environmental Pollution</i> , 2020, 264, 114694. | 7.5 | 124 |
| 110 | Glacier mass and area changes on the Kenai Peninsula, Alaska, 1986–2016. <i>Journal of Glaciology</i> , 2020, 66, 603-617. | 2.2 | 10 |
| 111 | A new method for extraction of methanol-soluble brown carbon: Implications for investigation of its light absorption ability. <i>Environmental Pollution</i> , 2020, 262, 114300. | 7.5 | 16 |
| 112 | Two heavy haze events over Lumbini in southern Nepal: Enhanced aerosol radiative forcing and heating rates. <i>Atmospheric Environment</i> , 2020, 236, 117658. | 4.1 | 12 |
| 113 | Microbial Community Composition Analysis in Spring Aerosols at Urban and Remote Sites over the Tibetan Plateau. <i>Atmosphere</i> , 2020, 11, 527. | 2.3 | 4 |
| 114 | Black carbon and mercury in the surface sediments of Selin Co, central Tibetan Plateau: Covariation with total carbon. <i>Science of the Total Environment</i> , 2020, 721, 137752. | 8.0 | 12 |
| 115 | Black carbon and mineral dust on two glaciers on the central Tibetan Plateau: sources and implications. <i>Journal of Glaciology</i> , 2020, 66, 248-258. | 2.2 | 13 |
| 116 | Effects of black carbon and mineral dust on glacial melting on the Muz Taw glacier, Central Asia. <i>Science of the Total Environment</i> , 2020, 740, 140056. | 8.0 | 37 |
| 117 | Atmospheric microplastics: A review on current status and perspectives. <i>Earth-Science Reviews</i> , 2020, 203, 103118. | 9.1 | 630 |
| 118 | Tibetan Plateau amplification of climate extremes under global warming of 1.5°C, 2°C and 3°C. <i>Global and Planetary Change</i> , 2020, 192, 103261. | 3.5 | 54 |
| 119 | Chemical characterization of submicron particulate matter (PM1) emitted by burning highland barley in the northeastern part of the Qinghai–Tibet Plateau. <i>Atmospheric Environment</i> , 2020, 224, 117351. | 4.1 | 4 |
| 120 | Sources and spatio-temporal distribution of aerosol polycyclic aromatic hydrocarbons throughout the Tibetan Plateau. <i>Environmental Pollution</i> , 2020, 261, 114144. | 7.5 | 23 |
| 121 | Light absorption properties of elemental carbon (EC) and water-soluble brown carbon (WSBrC) in the Kathmandu Valley, Nepal: A 5-year study. <i>Environmental Pollution</i> , 2020, 261, 114239. | 7.5 | 35 |
| 122 | Latest observations of total gaseous mercury in a megacity (Lanzhou) in northwest China. <i>Science of the Total Environment</i> , 2020, 720, 137494. | 8.0 | 14 |
| 123 | Characteristics of Dissolved Organic Matter from a Transboundary Himalayan Watershed: Relationships with Land Use, Elevation, and Hydrology. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 449-456. | 2.7 | 10 |
| 124 | Natural versus anthropogenic sources and seasonal variability of insoluble precipitation residues at Laohugou Glacier in northeastern Tibetan Plateau. <i>Environmental Pollution</i> , 2020, 261, 114114. | 7.5 | 6 |
| 125 | Climate and hydrological changes in the Ob River Basin during 1936–2017. <i>Hydrological Processes</i> , 2020, 34, 1821-1836. | 2.6 | 19 |
| 126 | Severe air pollution and characteristics of light-absorbing particles in a typical rural area of the Indo-Gangetic Plain. <i>Environmental Science and Pollution Research</i> , 2020, 27, 10617-10628. | 5.3 | 15 |

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|-----|---|------|-----------|
| 127 | Relative contribution of mineral dust versus black carbon to Third Pole glacier melting. Atmospheric Environment, 2020, 223, 117288. | 4.1 | 15 |
| 128 | The vertical profiles of carbonaceous aerosols and key influencing factors during wintertime over western Sichuan Basin, China. Atmospheric Environment, 2020, 223, 117269. | 4.1 | 20 |
| 129 | Assessments of the factors controlling latent heat flux and the coupling degree between an alpine wetland and the atmosphere on the Qinghai-Tibetan Plateau in summer. Atmospheric Research, 2020, 240, 104937. | 4.1 | 7 |
| 130 | Characterization, sources and transport of dissolved organic carbon and nitrogen from a glacier in the Central Asia. Science of the Total Environment, 2020, 725, 138346. | 8.0 | 21 |
| 131 | Decoupling Natural and Anthropogenic Mercury and Lead Transport from South Asia to the Himalayas. Environmental Science & Technology, 2020, 54, 5429-5436. | 10.0 | 19 |
| 132 | Vegetation Mediated Mercury Flux and Atmospheric Mercury in the Alpine Permafrost Region of the Central Tibetan Plateau. Environmental Science & Technology, 2020, 54, 6043-6052. | 10.0 | 18 |
| 133 | Soil thermal regime alteration under experimental warming in permafrost regions of the central Tibetan Plateau. Geoderma, 2020, 372, 114397. | 5.1 | 16 |
| 134 | Measurements of light-absorbing impurities in snow over four glaciers on the Tibetan Plateau. Atmospheric Research, 2020, 243, 105002. | 4.1 | 7 |
| 135 | Aerosol characteristics and impacts on weather and climate over the Tibetan Plateau. National Science Review, 2020, 7, 492-495. | 9.5 | 128 |
| 136 | Columnar aerosol properties and radiative effects over Dushanbe, Tajikistan in Central Asia. Environmental Pollution, 2020, 265, 114872. | 7.5 | 21 |
| 137 | Desert dust as a significant carrier of atmospheric mercury. Environmental Pollution, 2020, 267, 115442. | 7.5 | 15 |
| 138 | Going to Extremes: Installing the World's Highest Weather Stations on Mount Everest. Bulletin of the American Meteorological Society, 2020, 101, E1870-E1890. | 3.3 | 46 |
| 139 | Study on Mercury in PM10 at an Urban Site in the Central Indo-Gangetic Plain: Seasonal Variability and Influencing Factors. Aerosol and Air Quality Research, 2020, 20, 2729-2740. | 2.1 | 12 |
| 140 | Impact of topography on black carbon transport to the southern Tibetan Plateau during the pre-monsoon season and its climatic implication. Atmospheric Chemistry and Physics, 2020, 20, 5923-5943. | 4.9 | 25 |
| 141 | Satellite-observed monthly glacier and snow mass changes in southeast Tibet: implication for substantial meltwater contribution to the Brahmaputra. Cryosphere, 2020, 14, 2267-2281. | 3.9 | 24 |
| 142 | Dissolved organic carbon in snow cover of the Chinese Altai Mountains, Central Asia: Concentrations, sources and light-absorption properties. Science of the Total Environment, 2019, 647, 1385-1397. | 8.0 | 39 |
| 143 | Deposition of Organic and Black Carbon: Direct Measurements at Three Remote Stations in the Himalayas and Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2019, 124, 9702-9715. | 3.3 | 29 |
| 144 | Trace elements analysis in hair strand of cooks chronically exposed to indoor air pollution in restaurants of Lhasa, Tibet: preliminary results. SN Applied Sciences, 2019, 1, 1. | 2.9 | 3 |

| # | ARTICLE | IF | CITATIONS |
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