Shi-chang Kang

List of Publications by Year
in descending order

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574	27,654	6233 80	14156 128
papers	citations	h-index	g-index

607	607	607	15935
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Review of climate and cryospheric change in the Tibetan Plateau. Environmental Research Letters, 2010, 5, 015101.	2.2	829
2	Epidemiological time series studies of PM_{2.5}and daily mortality and hospital admissions: a systematic review and meta-analysis. Thorax, 2014, 69, 660-665.	2.7	760
3	Atmospheric microplastics: A review on current status and perspectives. Earth-Science Reviews, 2020, 203, 103118.	4.0	630
4	Recent Third Poleâ€™s Rapid Warming Accompanies Cryospheric Melt and Water Cycle Intensification and Interactions between Monsoon and Environment: Multidisciplinary Approach with Observations, Modeling, and Analysis. Bulletin of the American Meteorological Society, 2019, 100, 423-444.	1.7	590
5	Changes in daily climate extremes in China and their connection to the large scale atmospheric circulation during 1961â€“2003. Climate Dynamics, 2011, 36, 2399-2417.	1.7	428
6	Monitoring lake level changes on the Tibetan Plateau using ICESat altimetry data (2003â€“2009). Remote Sensing of Environment, 2011, 115, 1733-1742.	4.6	411
7	Microplastics in soil: A review on methods, occurrence, sources, and potential risk. Science of the Total Environment, 2021, 780, 146546.	3.9	374
8	Changes in daily climate extremes in the eastern and central Tibetan Plateau during 1961â€“2005. Journal of Geophysical Research, 2008, 113, .	3.3	282
9	Linking atmospheric pollution to cryospheric change in the Third Pole region: current progress and future prospects. National Science Review, 2019, 6, 796-809.	4.6	271
10	Sources of black carbon to the Himalayanâ€“Tibetan Plateau glaciers. Nature Communications, 2016, 7, 12574.	5.8	265
11	Microplastics in freshwater sediment: A review on methods, occurrence, and sources. Science of the Total Environment, 2021, 754, 141948.	3.9	245
12	Increased mass over the Tibetan Plateau: From lakes or glaciers?. Geophysical Research Letters, 2013, 40, 2125-2130.	1.5	242
13	A glacier inventory for the western Nyainqentanglha Range and the Nam Co Basin, Tibet, and glacier changes 1976â€“2009. Cryosphere, 2010, 4, 419-433.	1.5	239
14	Black carbon record based on a shallow Himalayan ice core and its climatic implications. Atmospheric Chemistry and Physics, 2008, 8, 1343-1352.	1.9	233
15	Relationship between temperature trend magnitude, elevation and mean temperature in the Tibetan Plateau from homogenized surface stations and reanalysis data. Global and Planetary Change, 2010, 71, 124-133.	1.6	231
16	Carbonaceous aerosols on the south edge of the Tibetan Plateau: concentrations, seasonality and sources. Atmospheric Chemistry and Physics, 2015, 15, 1573-1584.	1.9	213
17	Recent increase in black carbon concentrations from a Mt. Everest ice core spanning 1860-2000 AD. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	186
18	Penetration of biomass-burning emissions from South Asia through the Himalayas: new insights from atmospheric organic acids. Scientific Reports, 2015, 5, 9580.	1.6	180

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19	Rapid warming in the Tibetan Plateau from observations and <scp>CMIP5</scp> models in recent decades. International Journal of Climatology, 2016, 36, 2660-2670.	1.5	176
20	Importance of atmospheric transport for microplastics deposited in remote areas. Environmental Pollution, 2019, 254, 112953.	3.7	172
21	Monitoring glacier variations on Geladandong mountain, central Tibetan Plateau, from 1969 to 2002 using remote-sensing and GIS technologies. Journal of Glaciology, 2006, 52, 537-545.	1.1	162
22	Review of snow cover variation over the Tibetan Plateau and its influence on the broad climate system. Earth-Science Reviews, 2020, 201, 103043.	4.0	162
23	Warming amplification over the Arctic Pole and Third Pole: Trends, mechanisms and consequences. Earth-Science Reviews, 2021, 217, 103625.	4.0	157
24	Atmospheric brown clouds reach the Tibetan Plateau by crossing the Himalayas. Atmospheric Chemistry and Physics, 2015, 15, 6007-6021.	1.9	156
25	Relationship between trends in temperature extremes and elevation in the eastern and central Tibetan Plateau, 1961â€“2005. Geophysical Research Letters, 2008, 35, .	1.5	153
26	Microplastics in glaciers of the Tibetan Plateau: Evidence for the long-range transport of microplastics. Science of the Total Environment, 2021, 758, 143634.	3.9	153
27	Elemental composition of aerosol in the Nam Co region, Tibetan Plateau, during summer monsoon season. Atmospheric Environment, 2007, 41, 1180-1187.	1.9	147
28	A comparison of heat wave climatologies and trends in China based on multiple definitions. Climate Dynamics, 2017, 48, 3975-3989.	1.7	147
29	Comparison of multiple datasets with gridded precipitation observations over the Tibetan Plateau. Climate Dynamics, 2015, 45, 791-806.	1.7	145
30	Detection of spatio-temporal variability of air temperature and precipitation based on long-term meteorological station observations over Tianshan Mountains, Central Asia. Atmospheric Research, 2018, 203, 141-163.	1.8	145
31	Major ionic composition of precipitation in the Nam Co region, Central Tibetan Plateau. Atmospheric Research, 2007, 85, 351-360.	1.8	144
32	Levoglucosan as a tracer of biomass burning: Recent progress and perspectives. Atmospheric Research, 2019, 220, 20-33.	1.8	144
33	Atmospheric wet deposition of trace elements to central Tibetan Plateau. Applied Geochemistry, 2010, 25, 1415-1421.	1.4	143
34	Glacial distribution and mass balance in the Yarlung Zangbo River and its influence on lakes. Science Bulletin, 2010, 55, 2072-2078.	1.7	140
35	A review of black carbon in snow and ice and its impact on the cryosphere. Earth-Science Reviews, 2020, 210, 103346.	4.0	139
36	Reduced microbial stability in the active layer is associated with carbon loss under alpine permafrost degradation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	138

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37	Magnetostratigraphic dating of river terraces: Rapid and intermittent incision by the Yellow River of the northeastern margin of the Tibetan Plateau during the Quaternary. Journal of Geophysical Research, 1997, 102, 10121-10132.	3.3	136
38	Variability of temperature in the Tibetan Plateau based on homogenized surface stations and reanalysis data. International Journal of Climatology, 2013, 33, 1337-1347.	1.5	133
39	Elevation dependent warming over the Tibetan Plateau: Patterns, mechanisms and perspectives. Earth-Science Reviews, 2020, 210, 103349.	4.0	132
40	Water quality in the Tibetan Plateau: Major ions and trace elements in rivers of the â€œWater Tower of Asiaâ€• Science of the Total Environment, 2019, 649, 571-581.	3.9	131
41	Atmospheric Mercury Depositional Chronology Reconstructed from Lake Sediments and Ice Core in the Himalayas and Tibetan Plateau. Environmental Science & Technology, 2016, 50, 2859-2869.	4.6	130
42	Aerosol characteristics and impacts on weather and climate over the Tibetan Plateau. National Science Review, 2020, 7, 492-495.	4.6	128
43	PM2.5 and O3 pollution during 2015â€“2019 over 367 Chinese cities: Spatiotemporal variations, meteorological and topographical impacts. Environmental Pollution, 2020, 264, 114694.	3.7	124
44	Glaciochemical records from a Mt. Everest ice core: relationship to atmospheric circulation over Asia. Atmospheric Environment, 2002, 36, 3351-3361.	1.9	123
45	Historical Trends of Atmospheric Black Carbon on Tibetan Plateau As Reconstructed from a 150-Year Lake Sediment Record. Environmental Science & Technology, 2013, 47, 2579-2586.	4.6	123
46	The decreasing albedo of the Zhadang glacier on western Nyainqentanglha and the role of light-absorbing impurities. Atmospheric Chemistry and Physics, 2014, 14, 11117-11128.	1.9	117
47	Water-Soluble Brown Carbon in Atmospheric Aerosols from Godavari (Nepal), a Regional Representative of South Asia. Environmental Science & Technology, 2019, 53, 3471-3479.	4.6	115
48	Bacterial diversity in the snow over Tibetan Plateau Glaciers. Extremophiles, 2009, 13, 411-423.	0.9	114
49	Elemental composition of Tibetan Plateau top soils and its effect on evaluating atmospheric pollution transport. Environmental Pollution, 2009, 157, 2261-2265.	3.7	114
50	Lightâ€absorbing impurities enhance glacier albedo reduction in the southeastern Tibetan plateau. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6915-6933.	1.2	114
51	The historical residue trends of DDT, hexachlorocyclohexanes and polycyclic aromatic hydrocarbons in an ice core from Mt. Everest, central Himalayas, China. Atmospheric Environment, 2008, 42, 6699-6709.	1.9	112
52	Baseline continental aerosol over the central Tibetan plateau and a case study of aerosol transport from South Asia. Atmospheric Environment, 2011, 45, 7370-7378.	1.9	112
53	Climate warming and associated changes in atmospheric circulation in the eastern and central Tibetan Plateau from a homogenized dataset. Global and Planetary Change, 2010, 72, 11-24.	1.6	109
54	Evaluation of extreme climate events using a regional climate model for China. International Journal of Climatology, 2015, 35, 888-902.	1.5	108

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55	Global warming weakening the inherent stability of glaciers and permafrost. Science Bulletin, 2019, 64, 245-253.	4.3	108
56	Energy and mass balance of Zhadang glacier surface, central Tibetan Plateau. Journal of Glaciology, 2013, 59, 137-148.	1.1	105
57	Seasonal differences in snow chemistry from the vicinity of Mt. Everest, central Himalayas. Atmospheric Environment, 2004, 38, 2819-2829.	1.9	104
58	Water balance observations reveal significant subsurface water seepage from Lake Nam Co, south-central Tibetan Plateau. Journal of Hydrology, 2013, 491, 89-99.	2.3	104
59	Atmospheric Transport of Mercury to the Tibetan Plateau. Environmental Science & Technology, 2007, 41, 7632-7638.	4.6	103
60	Gradient distribution of persistent organic contaminants along northern slope of central-Himalayas, China. Science of the Total Environment, 2006, 372, 193-202.	3.9	101
61	Elemental and individual particle analysis of atmospheric aerosols from high Himalayas. Environmental Monitoring and Assessment, 2010, 160, 323-335.	1.3	100
62	Atmospheric concentrations of halogenated flame retardants at two remote locations: The Canadian High Arctic and the Tibetan Plateau. Environmental Pollution, 2012, 161, 154-161.	3.7	99
63	Water balance estimates of ten greatest lakes in China using ICESat and Landsat data. Science Bulletin, 2013, 58, 3815-3829.	1.7	99
64	ROOF OF THE WORLD: Tibetan Observation and Research Platform. Bulletin of the American Meteorological Society, 2008, 89, 1487-1492.	1.7	98
65	Snow accumulation rate on Qomolangma (Mount Everest), Himalaya: synchroneity with sites across the Tibetan Plateau on 50â€“100 year timescales. Journal of Glaciology, 2008, 54, 343-352.	1.1	96
66	Top-down constraints on atmospheric mercury emissions and implications for global biogeochemical cycling. Atmospheric Chemistry and Physics, 2015, 15, 7103-7125.	1.9	96
67	Simulation of carbonaceous aerosols over the Third Pole and adjacent regions: distribution, transportation, deposition, and climatic effects. Climate Dynamics, 2015, 45, 2831-2846.	1.7	95
68	Aerosol optical properties at Nam Co, a remote site in central Tibetan Plateau. Atmospheric Research, 2009, 92, 42-48.	1.8	93
69	Carbonaceous particles in the atmosphere and precipitation of the Nam Co region, central Tibet. Journal of Environmental Sciences, 2010, 22, 1748-1756.	3.2	93
70	Mercury Distribution and Deposition in Glacier Snow over Western China. Environmental Science & Technology, 2012, 46, 5404-5413.	4.6	93
71	Chemical Composition of Microbe-Derived Dissolved Organic Matter in Cryoconite in Tibetan Plateau Glaciers: Insights from Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Analysis. Environmental Science & Technology, 2016, 50, 13215-13223.	4.6	92
72	Concentrations and light absorption characteristics of carbonaceous aerosol in PM 2.5 and PM 10 of Lhasa city, the Tibetan Plateau. Atmospheric Environment, 2016, 127, 340-346.	1.9	91

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73	Light-absorbing impurities accelerate glacier melt in the Central Tibetan Plateau. Science of the Total Environment, 2017, 587-588, 482-490.	3.9	91
74	Organic molecular tracers in the atmospheric aerosols from Lumbini, Nepal, in the northern Indo-Gangetic Plain: influence of biomass burning. Atmospheric Chemistry and Physics, 2017, 17, 8867-8885.	1.9	91
75	Glacier and lake variations in the Yamzhog Yumco basin, southern Tibetan Plateau, from 1980 to 2000 using remote-sensing and GIS technologies. Journal of Glaciology, 2007, 53, 673-676.	1.1	89
76	Black carbon and mineral dust in snow cover on the Tibetan Plateau. Cryosphere, 2018, 12, 413-431.	1.5	89
77	An Examination of Temperature Trends at High Elevations Across the Tibetan Plateau: The Use of MODIS LST to Understand Patterns of Elevationâ€Dependent Warming. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5738-5756.	1.2	89
78	Reduction in northward incursions of the South Asian monsoon since â¼1400 AD inferred from a Mt. Everest ice core. Geophysical Research Letters, 2007, 34, .	1.5	88
79	Climate change over the Yarlung Zangbo River Basin during 1961â€“2005. Journal of Chinese Geography, 2007, 17, 409-420.	1.5	88
80	Pigment production by cold-adapted bacteria and fungi: colorful tale of cryosphere with wide range applications. Extremophiles, 2020, 24, 447-473.	0.9	88
81	Spatial and seasonal variations of elemental composition in Mt. Everest (Qomolangma) snow/firn. Atmospheric Environment, 2007, 41, 7208-7218.	1.9	87
82	Concentrations of trace elements in wet deposition over the central Himalayas, Nepal. Atmospheric Environment, 2014, 95, 231-238.	1.9	86
83	Double-Nested Dynamical Downscaling Experiments over the Tibetan Plateau and Their Projection of Climate Change under Two RCP Scenarios. Journals of the Atmospheric Sciences, 2013, 70, 1278-1290.	0.6	85
84	Characteristics and sources of polycyclic aromatic hydrocarbons in atmospheric aerosols in the Kathmandu Valley, Nepal. Science of the Total Environment, 2015, 538, 86-92.	3.9	85
85	Black carbon-induced snow albedo reduction over the Tibetan Plateau: uncertainties from snow grain shape and aerosolâ€“snow mixing state based on an updated SNICAR model. Atmospheric Chemistry and Physics, 2018, 18, 11507-11527.	1.9	85
86	Wet deposition of mercury at a remote site in the Tibetan Plateau: Concentrations, speciation, and fluxes. Atmospheric Environment, 2012, 62, 540-550.	1.9	84
87	Snow cover dynamics of four lake basins over Tibetan Plateau using time series MODIS data (2001â€“2010). Water Resources Research, 2012, 48, .	1.7	83
88	Wintertime organic and inorganic aerosols in Lanzhou, China: sources, processes, and comparison with the results during summer. Atmospheric Chemistry and Physics, 2016, 16, 14937-14957.	1.9	83
89	Trace elements and lead isotopic composition of PM10 in Lhasa, Tibet. Atmospheric Environment, 2011, 45, 6210-6215.	1.9	82
90	Cryospheric Science: research framework and disciplinary system. National Science Review, 2018, 5, 255-268.	4.6	82

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91	Recent temperature increase recorded in an ice core in the source region of Yangtze River. Science Bulletin, 2007, 52, 825-831.	1.7	81
92	Analysis of lake level changes in Nam Co in central Tibet utilizing synergistic satellite altimetry and optical imagery. International Journal of Applied Earth Observation and Geoinformation, 2012, 17, 3-11.	1.4	79
93	Dramatic loss of glacier accumulation area on the Tibetan Plateau revealed by ice core tritium and mercury records. Cryosphere, 2015, 9, 1213-1222.	1.5	78
94	Humic-Like Substances (HULIS) in Aerosols of Central Tibetan Plateau (Nam Co, 4730 m asl): Abundance, Light Absorption Properties, and Sources. Environmental Science & Technology, 2018, 52, 7203-7211.	4.6	78
95	Hydrological system analysis and modelling of the Nam Co basin in Tibet. Advances in Geosciences, 0, 27, 29-36.	12.0	78
96	Indoor air pollution from burning yak dung as a household fuel in Tibet. Atmospheric Environment, 2015, 102, 406-412.	1.9	77
97	Wet precipitation chemistry at a high-altitude site (3,326Âmâ€‰a.s.l.) in the southeastern Tibetan Plateau. Environmental Science and Pollution Research, 2013, 20, 5013-5027.	2.7	75
98	Size distribution of carbonaceous aerosols at a high-altitude site on the central Tibetan Plateau (Nam) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	75
99	Modeling the Origin of Anthropogenic Black Carbon and Its Climatic Effect Over the Tibetan Plateau and Surrounding Regions. Journal of Geophysical Research D: Atmospheres, 2018, 123, 671-692.	1.2	75
100	Detection of hydrological variations and their impacts on vegetation from multiple satellite observations in the Three-River Source Region of the Tibetan Plateau. Science of the Total Environment, 2018, 639, 1220-1232.	3.9	75
101	Microbial community structure in moraine lakes and glacial meltwaters, Mount Everest. FEMS Microbiology Letters, 2006, 265, 98-105.	0.7	72
102	Pre-monsoon air quality over Lumbini, aÂworld heritage site along the Himalayan foothills. Atmospheric Chemistry and Physics, 2017, 17, 11041-11063.	1.9	70
103	Preliminary Health Risk Assessment of Potentially Toxic Metals in Surface Water of the Himalayan Rivers, Nepal. Bulletin of Environmental Contamination and Toxicology, 2016, 97, 855-862.	1.3	69
104	Shifts of dust source regions over central Asia and the Tibetan Plateau: Connections with the Arctic oscillation and the westerly jet. Atmospheric Environment, 2008, 42, 2358-2368.	1.9	68
105	Decreasing wind speed and weakening latitudinal surface pressure gradients in the Tibetan Plateau. Climate Research, 2010, 42, 57-64.	0.4	68
106	Arctic sea-ice loss intensifies aerosol transport to the Tibetan Plateau. Nature Climate Change, 2020, 10, 1037-1044.	8.1	68
107	New insights into trace elements deposition in the snow packs at remote alpine glaciers in the northern Tibetan Plateau, China. Science of the Total Environment, 2015, 529, 101-113.	3.9	67
108	From brightening to dimming in sunshine duration over the eastern and central Tibetan Plateau (1961â€“2005). Theoretical and Applied Climatology, 2010, 101, 445-457.	1.3	66

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109	Recent increases in atmospheric concentrations of Bi, U, Cs, S and Ca from a 350â€year Mount Everest ice core record. Journal of Geophysical Research, 2009, 114, .	3.3	65
110	Concentration, sources and light absorption characteristics of dissolved organic carbon on a medium-sized valley glacier, northern Tibetan Plateau. Cryosphere, 2016, 10, 2611-2621.	1.5	65
111	Diversity and succession of autotrophic microbial community in high-elevation soils along deglaciation chronosequence. FEMS Microbiology Ecology, 2016, 92, fiw160.	1.3	65
112	Observed changes in snow depth and number of snow days in the eastern and central Tibetan Plateau. Climate Research, 2011, 46, 171-183.	0.4	65
113	Yak dung combustion aerosols in the Tibetan Plateau: Chemical characteristics and influence on the local atmospheric environment. Atmospheric Research, 2015, 156, 58-66.	1.8	64
114	Carbonaceous aerosol characteristics on the Third Pole: A primary study based on the Atmospheric Pollution and Cryospheric Change (APCC) network. Environmental Pollution, 2019, 253, 49-60.	3.7	64
115	Simulation of the anthropogenic aerosols over South Asia and their effects on Indian summer monsoon. Climate Dynamics, 2011, 36, 1633-1647.	1.7	63
116	Observed surface wind speed in the Tibetan Plateau since 1980 and its physical causes. International Journal of Climatology, 2014, 34, 1873-1882.	1.5	63
117	Modulation of snow reflectance and snowmelt from Central Asian glaciers by anthropogenic black carbon. Scientific Reports, 2017, 7, 40501.	1.6	63
118	Surface ozone at Nam Co in the inland Tibetan Plateau: variation, synthesis comparison and regional representativeness. Atmospheric Chemistry and Physics, 2017, 17, 11293-11311.	1.9	63
119	Light absorption characteristics of carbonaceous aerosols in two remote stations of the southern fringe of the Tibetan Plateau, China. Atmospheric Environment, 2016, 143, 79-85.	1.9	62
120	Chemical characteristics of soluble aerosols over the central Himalayas: insights into spatiotemporal variations and sources. Environmental Science and Pollution Research, 2017, 24, 24454-24472.	2.7	62
121	Glacier variations and climate warming and drying in the central Himalayas. Science Bulletin, 2004, 49, 65-69.	1.7	61
122	Distribution of Persistent Organic Pollutants in Soil and Grasses Around Mt. Qomolangma, China. Archives of Environmental Contamination and Toxicology, 2007, 52, 153-162.	2.1	61
123	Decadal variation of surface solar radiation in the Tibetan Plateau from observations, reanalysis and model simulations. Climate Dynamics, 2013, 40, 2073-2086.	1.7	61
124	Wet deposition of mercury at Lhasa, the capital city of Tibet. Science of the Total Environment, 2013, 447, 123-132.	3.9	61
125	Mercury in Wild Fish from High-Altitude Aquatic Ecosystems in the Tibetan Plateau. Environmental Science & Technology, 2014, 48, 5220-5228.	4.6	61
126	Major ions and trace elements of two selected rivers near Everest region, southern Himalayas, Nepal. Environmental Earth Sciences, 2016, 75, 1.	1.3	61

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127	Concentration, temporal variation, and sources of black carbon in the Mt. Everest region retrieved by real-time observation and simulation. Atmospheric Chemistry and Physics, 2018, 18, 12859-12875.	1.9	61
128	Evaluation of a Coupled Snow and Energy Balance Model for Zhadang Glacier, Tibetan Plateau, Using Glaciological Measurements and Time-Lapse Photography. Arctic, Antarctic, and Alpine Research, 2015, 47, 573-590.	0.4	60
129	Spatiotemporal variations of air pollutants in western China and their relationship to meteorological factors and emission sources. Environmental Pollution, 2019, 254, 112952.	3.7	59
130	Heavy metals and rare earth elements (REEs) in soil from the Nam Co Basin, Tibetan Plateau. Environmental Geology, 2008, 53, 1433-1440.	1.2	58
131	Aerosol optical depth climatology over Central Asian countries based on Aqua-MODIS Collection 6.1 data: Aerosol variations and sources. Atmospheric Environment, 2019, 207, 205-214.	1.9	58
132	Ionic composition of wet precipitation over the southern slope of central Himalayas, Nepal. Environmental Science and Pollution Research, 2014, 21, 2677-2687.	2.7	57
133	Individual Particle Analysis of Atmospheric Aerosols at Nam Co, Tibetan Plateau. Aerosol and Air Quality Research, 2009, 9, 323-331.	0.9	57
134	Air-Lake Interaction Features Found in Heat and Water Exchanges over Nam Co on the Tibetan Plateau. Scientific Online Letters on the Atmosphere, 2009, 5, 172-175.	0.6	56
135	Stable-isotopic composition of precipitation over the northern slope of the central Himalaya. Journal of Glaciology, 2002, 48, 519-526.	1.1	55
136	Dust records from three ice cores: relationships to spring atmospheric circulation over the Northern Hemisphere. Atmospheric Environment, 2003, 37, 4823-4835.	1.9	55
137	Aerosol and fresh snow chemistry in the East Rongbuk Glacier on the northern slope of Mt. Qomolangma (Everest). Journal of Geophysical Research, 2007, 112, .	3.3	55
138	Characteristics and Changes in Air Temperature and Glacierâ€™s Response on the North Slope of Mt. Qomolangma (Mt. Everest). Arctic, Antarctic, and Alpine Research, 2011, 43, 147-160.	0.4	55
139	Brown carbon in the cryosphere: Current knowledge and perspective. Advances in Climate Change Research, 2016, 7, 82-89.	2.1	55
140	Atmospheric deposition of trace elements recorded in snow from the Mt. NyainqÃªntanglha region, southern Tibetan Plateau. Chemosphere, 2013, 92, 871-881.	4.2	54
141	Spatiotemporal variability of snow depth across the Eurasian continent fromÂ1966 toÂ2012. Cryosphere, 2018, 12, 227-245.	1.5	54
142	Tibetan Plateau amplification of climate extremes under global warming of 1.5ÂÂ°C, 2ÂÂ°C and 3ÂÂ°C. Global and Planetary Change, 2020, 192, 103261.	1.6	54
143	A High-Resolution Record of Atmospheric Dust Composition and Variability since a.d. 1650 from a Mount Everest Ice Core. Journal of Climate, 2009, 22, 3910-3925.	1.2	53
144	Early onset of rainy season suppresses glacier melt: a case study on Zhadang glacier, Tibetan Plateau. Journal of Glaciology, 2009, 55, 755-758.	1.1	53

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145	Inconsistencies of precipitation in the eastern and central Tibetan Plateau between surface adjusted data and reanalysis. Theoretical and Applied Climatology, 2012, 109, 485-496.	1.3	53
146	Projection of snow cover changes over China under RCP scenarios. Climate Dynamics, 2013, 41, 589-600.	1.7	53
147	Gaseous and particulate pollutants in Lhasa, Tibet during 2013â€“2017: Spatial variability, temporal variations and implications. Environmental Pollution, 2019, 253, 68-77.	3.7	53
148	Twentieth century increase of atmospheric ammonia recorded in Mount Everest ice core. Journal of Geophysical Research, 2002, 107, ACL 13-1-ACL 13-9.	3.3	52
149	Growth of a high-elevation large inland lake, associated with climate change and permafrost degradation in Tibet. Hydrology and Earth System Sciences, 2010, 14, 481-489.	1.9	51
150	Winter temperature extremes in China and their possible causes. International Journal of Climatology, 2013, 33, 1444-1455.	1.5	51
151	Seasonal variations of trace elements in precipitation at the largest city in Tibet, Lhasa. Atmospheric Research, 2015, 153, 87-97.	1.8	51
152	Polycyclic aromatic hydrocarbons in soils from the Central-Himalaya region: Distribution, sources, and risks to humans and wildlife. Science of the Total Environment, 2016, 556, 12-22.	3.9	51
153	Seasonal variation and light absorption property of carbonaceous aerosol in a typical glacier region of the southeastern Tibetan Plateau. Atmospheric Chemistry and Physics, 2018, 18, 6441-6460.	1.9	51
154	Long range trans-Pacific transport and deposition of Asian dust aerosols. Journal of Environmental Sciences, 2008, 20, 424-428.	3.2	50
155	Greenhouse gases emissions in rivers of the Tibetan Plateau. Scientific Reports, 2017, 7, 16573.	1.6	50
156	Characterizations of wet mercury deposition on a remote high-elevation site in the southeastern Tibetan Plateau. Environmental Pollution, 2015, 206, 518-526.	3.7	49
157	Light-absorbing impurities in a southern Tibetan Plateau glacier: Variations and potential impact on snow albedo and radiative forcing. Atmospheric Research, 2018, 200, 77-87.	1.8	49
158	Fluorescence characteristics of water-soluble organic carbon in atmospheric aerosolâ˜†. Environmental Pollution, 2021, 268, 115906.	3.7	49
159	Altitude effects of climatic variation on Tibetan Plateau and its vicinities. Journal of Earth Science (Wuhan, China), 2010, 21, 189-198.	1.1	48
160	River water quality across the Himalayan regions: elemental concentrations in headwaters of Yarlung Tsangbo, Indus and Ganges River. Environmental Earth Sciences, 2015, 73, 4151-4163.	1.3	48
161	Investigation of mineral aerosols radiative effects over High Mountain Asia in 1990â€“2009 using a regional climate model. Atmospheric Research, 2016, 178-179, 484-496.	1.8	48
162	Variability of atmospheric dust loading over the central Tibetan Plateau based on ice core glaciochemistry. Atmospheric Environment, 2010, 44, 2980-2989.	1.9	47

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163	Physicochemical characteristics and sources of atmospheric dust deposition in snow packs on the glaciers of western Qilian Mountains, China. Tellus, Series B: Chemical and Physical Meteorology, 2022, 66, 20956.	0.8	47
164	Source apportionment of particle-bound polycyclic aromatic hydrocarbons in Lumbini, Nepal by using the positive matrix factorization receptor model. Atmospheric Research, 2016, 182, 46-53.	1.8	47
165	Emission Measurements from Traditional Biomass Cookstoves in South Asia and Tibet. Environmental Science & Technology, 2019, 53, 3306-3314.	4.6	47
166	A method for estimating the contribution of evaporative vapor from Nam Co to local atmospheric vapor based on stable isotopes of water bodies. Science Bulletin, 2011, 56, 1511-1517.	1.7	46
167	Observed trend of diurnal temperature range in the Tibetan Plateau in recent decades. International Journal of Climatology, 2016, 36, 2633-2643.	1.5	46
168	Provenance of cryoconite deposited on the glaciers of the Tibetan Plateau: New insights from Ndâ€Sr isotopic composition and size distribution. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7371-7382.	1.2	46
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