Chaoliu Li

List of Publications by Year
in descending order

88	3,626	117571	149623
papers	citations	34 h-index	56 g-index

98	98	98	2837
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Sources of black carbon to the Himalayanâ€“Tibetan Plateau glaciers. Nature Communications, 2016, 7, 12574.	5.8	265
3	Major ionic composition of precipitation in the Nam Co region, Central Tibetan Plateau. Atmospheric Research, 2007, 85, 351-360.	1.8	144
4	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
5	Elemental composition of Tibetan Plateau top soils and its effect on evaluating atmospheric pollution transport. Environmental Pollution, 2009, 157, 2261-2265.	3.7	114
6	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
7	Mercury Distribution and Deposition in Glacier Snow over Western China. Environmental Science & Technology, 2012, 46, 5404-5413.	4.6	93
8	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
9	Light-absorbing impurities accelerate glacier melt in the Central Tibetan Plateau. Science of the Total Environment, 2017, 587-588, 482-490.	3.9	91
10	Black carbon and mineral dust in snow cover on the Tibetan Plateau. Cryosphere, 2018, 12, 413-431.	1.5	89
11	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
12	Indoor air pollution from burning yak dung as a household fuel in Tibet. Atmospheric Environment, 2015, 102, 406-412.	1.9	77
13	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
14	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
15	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
16	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
17	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
18	Greenhouse gases emissions in rivers of the Tibetan Plateau. Scientific Reports, 2017, 7, 16573.	1.6	50

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19	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
20	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
21	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
22	Emission Measurements from Traditional Biomass Cookstoves in South Asia and Tibet. Environmental Science & Technology, 2019, 53, 3306-3314.	4.6	47
23	Geothermal spring causes arsenic contamination in river waters of the southern Tibetan Plateau, China. Environmental Earth Sciences, 2014, 71, 4143-4148.	1.3	45
24	Atmospheric Aerosol Elements over the Inland Tibetan Plateau: Concentration, Seasonality, and Transport. Aerosol and Air Quality Research, 2016, 16, 789-800.	0.9	44
25	Major Ion Geochemistry of Nam Co Lake and its Sources, Tibetan Plateau. Aquatic Geochemistry, 2008, 14, 321-336.	1.5	43
26	Carbonaceous matter in the atmosphere and glaciers of the Himalayas and the Tibetan plateau: An investigative review. Environment International, 2021, 146, 106281.	4.8	42
27	Deposition and light absorption characteristics of precipitation dissolved organic carbon (DOC) at three remote stations in the Himalayas and Tibetan Plateau, China. Science of the Total Environment, 2017, 605-606, 1039-1046.	3.9	41
28	Lakes on the Tibetan Plateau as Conduits of Greenhouse Gases to the Atmosphere. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2091-2103.	1.3	41
29	Rare earth elements in the surface sediments of the Yarlung Tsangbo (Upper Brahmaputra River) sediments, southern Tibetan Plateau. Quaternary International, 2009, 208, 151-157.	0.7	39
30	Historical Black Carbon Reconstruction from the Lake Sediments of the Himalayanâ€“Tibetan Plateau. Environmental Science & Technology, 2019, 53, 5641-5651.	4.6	39
31	Characteristics of black carbon in snow from Laohugou No. 12 glacier on the northern Tibetan Plateau. Science of the Total Environment, 2017, 607-608, 1237-1249.	3.9	38
32	Re-evaluating black carbon in the Himalayas and the Tibetan Plateau: concentrations and deposition. Atmospheric Chemistry and Physics, 2017, 17, 11899-11912.	1.9	38
33	Light absorption of biomass burning and vehicle emission-sourced carbonaceous aerosols of the Tibetan Plateau. Environmental Science and Pollution Research, 2017, 24, 15369-15378.	2.7	37
34	Heavy metals in the surface sediments of lakes on the Tibetan Plateau, China. Environmental Science and Pollution Research, 2018, 25, 3695-3707.	2.7	36
35	Immobilization of relic anthropogenic dissolved organic matter from alpine rivers in the Himalayan-Tibetan Plateau in winter. Water Research, 2019, 160, 97-106.	5.3	36
36	Total suspended particulate matter and toxic elements indoors during cooking with yak dung. Atmospheric Environment, 2009, 43, 4243-4246.	1.9	35

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37	Heavy metals in sediments of the Yarlung Tsangbo and its connection with the arsenic problem in the Gangesâ€“Brahmaputra Basin. Environmental Geochemistry and Health, 2011, 33, 23-32.	1.8	35
38	Wet deposition of precipitation chemistry during 2005â€“2009 at a remote site (Nam Co Station) in central Tibetan Plateau. Journal of Atmospheric Chemistry, 2012, 69, 187-200.	1.4	35
39	Personal PM2.5 and indoor CO in nomadic tents using open and chimney biomass stoves on the Tibetan Plateau. Atmospheric Environment, 2012, 59, 207-213.	1.9	35
40	Light absorption properties of elemental carbon (EC) and water-soluble brown carbon (WSâ€“BrC) in the Kathmandu Valley, Nepal: A 5-year study. Environmental Pollution, 2020, 261, 114239.	3.7	35
41	Rare earth elements in an ice core from Mt. Everest: Seasonal variations and potential sources. Atmospheric Research, 2009, 94, 300-312.	1.8	34
42	Fossil Fuel Combustion Emission From South Asia Influences Precipitation Dissolved Organic Carbon Reaching the Remote Tibetan Plateau: Isotopic and Molecular Evidence. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6248-6258.	1.2	34
43	Characterizations of particle-bound trace metals and polycyclic aromatic hydrocarbons (PAHs) within Tibetan tents of south Tibetan Plateau, China. Environmental Science and Pollution Research, 2012, 19, 1620-1628.	2.7	32
44	Mercury speciation and spatial distribution in surface waters of the Yarlung Zangbo River, Tibet. Science Bulletin, 2010, 55, 2697-2703.	1.7	31
45	Carbonaceous matter deposition in the high glacial regions of the Tibetan Plateau. Atmospheric Environment, 2016, 141, 203-208.	1.9	31
46	Elemental composition of aerosols collected in the glacier area on NyainqÃªntanglha Range, Tibetan Plateau, during summer monsoon season. Science Bulletin, 2007, 52, 3436-3442.	1.7	29
47	Aged dissolved organic carbon exported from rivers of the Tibetan Plateau. PLoS ONE, 2017, 12, e0178166.	1.1	29
48	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.	1.2	29
49	Concentration, sources, and flux of dissolved organic carbon of precipitation at Lhasa city, the Tibetan Plateau. Environmental Science and Pollution Research, 2016, 23, 12915-12921.	2.7	28
50	Black carbon and organic carbon dataset over the Third Pole. Earth System Science Data, 2022, 14, 683-707.	3.7	25
51	Dissolved organic carbon fractionation accelerates glacier-melting: A case study in the northern Tibetan Plateau. Science of the Total Environment, 2018, 627, 579-585.	3.9	23
52	Characteristics of Particulate-Phase Polycyclic Aromatic Hydrocarbons (PAHs) in the Atmosphere over the Central Himalayas. Aerosol and Air Quality Research, 2017, 17, 2942-2954.	0.9	23
53	Importance of Local Black Carbon Emissions to the Fate of Glaciers of the Third Pole. Environmental Science & Technology, 2018, 52, 14027-14028.	4.6	22
54	Climatic, land cover, and anthropogenic controls on dissolved organic matter quantity and quality from major alpine rivers across the Himalayan-Tibetan Plateau. Science of the Total Environment, 2021, 754, 142411.	3.9	22

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55	Source Apportionment and Risk Assessment of Atmospheric Polycyclic Aromatic Hydrocarbons in Lhasa, Tibet, China. Aerosol and Air Quality Research, 2018, 18, 1294-1304.	0.9	22
56	Spatial and Temporal Variations of Gaseous and Particulate Pollutants in Six Sites in Tibet, China, during 2016â€“2017. Aerosol and Air Quality Research, 2019, 19, 516-527.	0.9	21
57	Export of dissolved carbonaceous and nitrogenous substances in rivers of the â€œWater Tower of Asiaâ€• Journal of Environmental Sciences, 2018, 65, 53-61.	3.2	20
58	Levels and spatial distributions of levoglucosan and dissolved organic carbon in snowpits over the Tibetan Plateau glaciers. Science of the Total Environment, 2018, 612, 1340-1347.	3.9	20
59	Atmospheric sulfur isotopic anomalies recorded at Mt. Everest across the Anthropocene. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6964-6969.	3.3	20
60	Seasonality of carbonaceous aerosol composition and light absorption properties in Karachi, Pakistan. Journal of Environmental Sciences, 2020, 90, 286-296.	3.2	20
61	Decoupling Natural and Anthropogenic Mercury and Lead Transport from South Asia to the Himalayas. Environmental Science & Technology, 2020, 54, 5429-5436.	4.6	19
62	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. Environmental Pollution, 2021, 272, 116000.	3.7	19
63	Geochemical evidence on the source regions of Tibetan Plateau dusts during non-monsoon period in 2008/09. Atmospheric Environment, 2012, 59, 382-388.	1.9	18
64	Review of the studies on climate change since the last inter-glacial period on the Tibetan Plateau. Journal of Chinese Geography, 2006, 16, 337-345.	1.5	16
65	A new method for extraction of methanol-soluble brown carbon: Implications for investigation of its light absorption ability. Environmental Pollution, 2020, 262, 114300.	3.7	16
66	Assessment of elemental distribution and trace element contamination in surficial wetland sediments, Southern Tibetan Plateau. Environmental Monitoring and Assessment, 2011, 177, 301-313.	1.3	15
67	Heavy near-surface PM2.5 pollution in Lhasa, China during a relatively static winter period. Chemosphere, 2019, 214, 314-318.	4.2	15
68	Severe air pollution and characteristics of light-absorbing particles in a typical rural area of the Indo-Gangetic Plain. Environmental Science and Pollution Research, 2020, 27, 10617-10628.	2.7	15
69	Relative contribution of mineral dust versus black carbon to Third Pole glacier melting. Atmospheric Environment, 2020, 223, 117288.	1.9	15
70	Emissions from Solid Fuel Cook Stoves in the HimalayaRegion. Energies, 2019, 12, 1089.	1.6	13
71	Black carbon in surface soil of the Himalayas and Tibetan Plateau and its contribution to total black carbon deposition at glacial region. Environmental Science and Pollution Research, 2020, 27, 2670-2676.	2.7	13
72	Black carbon and mineral dust on two glaciers on the central Tibetan Plateau: sources and implications. Journal of Glaciology, 2020, 66, 248-258.	1.1	13

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73	Carbonaceous matter in glacier at the headwaters of the Yangtze River: Concentration, sources and fractionation during the melting process. Journal of Environmental Sciences, 2020, 87, 389-397.	3.2	11
74	High particulate carbon deposition in Lhasaâ€"a typical city in the Himalayanâ€"Tibetan Plateau due to local contributions. Chemosphere, 2020, 247, 125843.	4.2	11
75	Characteristics of Dissolved Organic Matter from a Transboundary Himalayan Watershed: Relationships with Land Use, Elevation, and Hydrology. ACS Earth and Space Chemistry, 2020, 4, 449-456.	1.2	10
76	Significant Influence of Carbonates on Determining Organic Carbon and Black Carbon: A Case Study in Tajikistan, Central Asia. Environmental Science & Technology, 2021, 55, 2839-2846.	4.6	9
77	Sources and light absorption characteristics of water-soluble organic carbon (WSOC) of atmospheric particles at a remote area in inner Himalayas and Tibetan Plateau. Atmospheric Research, 2021, 253, 105472.	1.8	9
78	Coupling of decreased snow accumulation and increased light-absorbing particles accelerates glacier retreat in the Tibetan Plateau. Science of the Total Environment, 2022, 809, 151095.	3.9	8
79	Water-soluble ion components of PM10 during the winter-spring season in a typical polluted city in Northeast China. Environmental Science and Pollution Research, 2019, 26, 7055-7070.	2.7	6
80	Overestimation of anthropogenic contribution of heavy metals in precipitation than those of aerosol samples due to different treatment methods. Environmental Pollution, 2022, 300, 118956.	3.7	6
81	Composition and sources of heavy metals in aerosol at a remote site of Southeast Tibetan Plateau, China. Science of the Total Environment, 2022, 845, 157308.	3.9	6
82	Chemical components and distributions in glaciers of the Third Pole. , 2020, , 71-134.		5
83	Photobleaching reduces the contribution of dissolved organic carbon to glacier melting in the Himalayas and the Tibetan Plateau. Science of the Total Environment, 2021, 797, 149178.	3.9	5
84	14C characteristics of organic carbon in the atmosphere and at glacier region of the Tibetan Plateau. Science of the Total Environment, 2022, 832, 155020.	3.9	4
85	Effectiveness of rare earth elements constrain on different materials: a case study in central Asia. Environmental Earth Sciences, 2012, 67, 1415-1421.	1.3	3
86	Organic aerosol compositions and source estimation by molecular tracers in Dushanbe, Tajikistan. Environmental Pollution, 2022, 302, 119055.	3.7	2
87	Chemical components and distributions in precipitation in the Third Pole. , 2020, , 3-41.		1
88	An overestimation of light absorption of brown carbon in ambient particles caused by using filters with large pore size. Science of the Total Environment, 2022, 833, 155286.	3.9	1