Shuyu Zhao

List of Publications by Year in descending order

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39 papers	1,396 citations	346980 22 h-index	388640 36 g-index
52 all docs	52 docs citations	52 times ranked	1924 citing authors

#	Article	IF	Citations
1	Nitrous acid emission from soil bacteria and related environmental effect over the North China Plain. Chemosphere, 2022, 287, 132034.	4.2	3
2	Nitrate debuts as a dominant contributor to particulate pollution in Beijing: Roles of enhanced atmospheric oxidizing capacity and decreased sulfur dioxide emission. Atmospheric Environment, 2021, 244, 117995.	1.9	17
3	Assessment of Atmospheric Oxidizing Capacity Over the Beijingâ€Tianjinâ€Hebei (BTH) Area, China. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033834.	1.2	7
4	Air Pollution Zone Migrates South Driven by East Asian Winter Monsoon and Climate Change. Geophysical Research Letters, 2021, 48, e2021GL092672.	1.5	12
5	Increasing atmospheric oxidizing capacity weakens emission mitigation effort in Beijing during autumn haze events. Chemosphere, 2021, 281, 130855.	4.2	16
6	Elucidating the impacts of rapid urban expansion on air quality in the Yangtze River Delta, China. Science of the Total Environment, 2021, 799, 149426.	3.9	14
7	Increasing wintertime ozone levels and secondary aerosol formation in the Guanzhong basin, central China. Science of the Total Environment, 2020, 745, 140961.	3.9	28
8	Impact of the Emission Control of Diesel Vehicles on Black Carbon (BC) Concentrations over China. Atmosphere, 2020, 11, 696.	1.0	10
9	The warming Tibetan Plateau improves winter air quality in the Sichuan Basin, China. Atmospheric Chemistry and Physics, 2020, 20, 14873-14887.	1.9	8
10	Ozone enhancement due to the photodissociation of nitrous acid in eastern China. Atmospheric Chemistry and Physics, 2019, 19, 11267-11278.	1.9	20
11	Effect of ship emissions on O3 in the Yangtze River Delta region of China: Analysis of WRF-Chem modeling. Science of the Total Environment, 2019, 683, 360-370.	3.9	32
12	Secondary organic aerosol enhanced by increasing atmospheric oxidizing capacity in Beijingâ€“Tianjinâ€“Hebei (BTH), China. Atmospheric Chemistry and Physics, 2019, 19, 7429-7443.	1.9	50
13	Impacts of short-term mitigation measures on PM_{2.5} and radiative effects: a case study at a regional background site near Beijing, China. Atmospheric Chemistry and Physics, 2019, 19, 1881-1899.	1.9	18
14	Shortâ€Term Weather Patterns Modulate Air Quality in Eastern China During 2015â€“2016 Winter. Journal of Geophysical Research D: Atmospheres, 2019, 124, 986-1002.	1.2	8
15	Impact of Climate Change on Siberian High and Wintertime Air Pollution in China in Past Two Decades. Earth's Future, 2018, 6, 118-133.	2.4	49
16	Sources and physicochemical characteristics of black carbon aerosol from the southeastern Tibetan Plateau: internal mixing enhances light absorption. Atmospheric Chemistry and Physics, 2018, 18, 4639-4656.	1.9	54
17	Wintertime nitrate formation during haze days in the Guanzhong basin, China: A case study. Environmental Pollution, 2018, 243, 1057-1067.	3.7	39
18	Black carbon (BC) in a northern Tibetan mountain: effect of Kuwait fires on glaciers. Atmospheric Chemistry and Physics, 2018, 18, 13673-13685.	1.9	5

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19	Effect of ecological restoration programs on dust concentrations in the North China Plain: a case study. Atmospheric Chemistry and Physics, 2018, 18, 6353-6366.	1.9	16
20	Effect of biomass burning on black carbon (BC) in South Asia and Tibetan Plateau: The analysis of WRF-Chem modeling. Science of the Total Environment, 2018, 645, 901-912.	3.9	38
21	Chemical characterization of PM2.5 from a southern coastal city of China: applications of modeling and chemical tracers in demonstration of regional transport. Environmental Science and Pollution Research, 2018, 25, 20591-20605.	2.7	4
22	Does afforestation deteriorate haze pollution in Beijingâ€“Tianjinâ€“Hebei (BTH), China?. Atmospheric Chemistry and Physics, 2018, 18, 10869-10879.	1.9	22
23	Black carbon aerosol and its radiative impact at a highâ€altitude remote site on the southeastern Tibet Plateau. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5515-5530.	1.2	36
24	Impacts of Himalayas on black carbon over the Tibetan Plateau during summer monsoon. Science of the Total Environment, 2017, 598, 307-318.	3.9	15
25	Impacts of meteorological uncertainties on the haze formation in Beijingâ€“Tianjinâ€“Hebei (BTH) during wintertime: a case study. Atmospheric Chemistry and Physics, 2017, 17, 14579-14591.	1.9	56
26	Effect of heavy haze and aerosol pollution on rice and wheat productions in China. Scientific Reports, 2016, 6, 29612.	1.6	103
27	Contribution of regional transport to the black carbon aerosol during winter haze period in Beijing. Atmospheric Environment, 2016, 132, 11-18.	1.9	64
28	Physicochemical characteristics of black carbon aerosol and its radiative impact in a polluted urban area of China. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,505.	1.2	49
29	Impact of crop field burning and mountains on heavy haze in the North China Plain: a case study. Atmospheric Chemistry and Physics, 2016, 16, 9675-9691.	1.9	69
30	Characterization of parent and oxygenated-polycyclic aromatic hydrocarbons (PAHs) in Xiâ€™an, China during heating period: An investigation of spatial distribution and transformation. Chemosphere, 2016, 159, 367-377.	4.2	49
31	Urban dust in the Guanzhong Basin of China, part I: A regional distribution of dust sources retrieved using satellite data. Science of the Total Environment, 2016, 541, 1603-1613.	3.9	22
32	PM2.5 from the Guanzhong Plain: Chemical composition and implications for emission reductions. Atmospheric Environment, 2016, 147, 458-469.	1.9	77
33	Carbonaceous aerosols recorded in a southeastern Tibetan glacier: analysis of temporal variations and model estimates of sources and radiative forcing. Atmospheric Chemistry and Physics, 2015, 15, 1191-1204.	1.9	72
34	Seasonal variation and four-year trend of black carbon in the Mid-west China: The analysis of the ambient measurement and WRF-Chem modeling. Atmospheric Environment, 2015, 123, 430-439.	1.9	33
35	Impacts of mountains on black carbon aerosol under different synoptic meteorology conditions in the Guanzhong region, China. Atmospheric Research, 2015, 164-165, 286-296.	1.8	31
36	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

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37	Observation of carbonaceous aerosols during 2006â€“2009 in NyainqÃ¤ntanglha Mountains and the implications for glaciers. Environmental Science and Pollution Research, 2013, 20, 5827-5838.	2.7	27
38	Disturbance of light-absorbing aerosols on the albedo in a winter snowpack of Central Tibet. Journal of Environmental Sciences, 2013, 25, 1601-1607.	3.2	47
39	A preliminary study on measurements of black carbon in the atmosphere of northwest Qilian Shan. Journal of Environmental Sciences, 2012, 24, 152-159.	3.2	58