Xu Yue

List of Publications by Citations

79 papers	2,646 citations	26 h-index	50 g-index
126 ext. papers	4,322 ext. citations	6.9 avg, IF	5.46 L-index

#	Paper	IF	Citations
79	Global Carbon Budget 2020. *Earth System Science Data*, **2020**, 12, 3269-3340	10.5	533
78	Near-real-time monitoring of global CO emissions reveals the effects of the COVID-19 pandemic. *Nature Communications*, **2020**, 11, 5172	17.4	204
77	Ensemble projections of wildfire activity and carbonaceous aerosol concentrations over the western United States in the mid-21st century. *Atmospheric Environment*, **2013**, 77, 767-780	5.3	152
76	Particulate Air Pollution from Wildfires in the Western US under Climate Change. *Climatic Change*, **2016**, 138, 655-666	4.5	145
75	Ozone and haze pollution weakens net primary productivity in China. *Atmospheric Chemistry and Physics*, **2017**, 17, 6073-6089	6.8	105
74	Rapid Increases in Warm-Season Surface Ozone and Resulting Health Impact in China Since 2013. *Environmental Science and Technology Letters*, **2020**, 7, 240-247	11	102
73	Wildfire-specific Fine Particulate Matter and Risk of Hospital Admissions in Urban and Rural Counties. *Epidemiology*, **2017**, 28, 77-85	3.1	100
72	Sources contributing to background surface ozone in the US Intermountain West. *Atmospheric Chemistry and Physics*, **2014**, 14, 5295-5309	6.8	92
71	Ozone vegetation damage effects on gross primary productivity in the United States. *Atmospheric Chemistry and Physics*, **2014**, 14, 9137-9153	6.8	61
70	Fire air pollution reduces global terrestrial productivity. *Nature Communications*, **2018**, 9, 5413	17.4	57
69	Simulation of dust aerosol radiative feedback using the Global Transport Model of Dust: 1. Dust cycle and validation. *Journal of Geophysical Research*, **2009**, 114,		49
68	Wildfire influences on the variability and trend of summer surface ozone in the mountainous western United States. *Atmospheric Chemistry and Physics*, **2016**, 16, 14687-14702	6.8	47
67	Global Carbon Budget 2021. *Earth System Science Data*, **2022**, 14, 1917-2005	10.5	47
66	Aerosol optical depth thresholds as a tool to assess diffuse radiation fertilization of the land carbon uptake in China. *Atmospheric Chemistry and Physics*, **2017**, 17, 1329-1342	6.8	45
65	Meteorological influences on PM and O trends and associated health burden since China's clean air actions. *Science of the Total Environment*, **2020**, 744, 140837	10.2	42
64	The Yale Interactive terrestrial Biosphere model version 1.0: description, evaluation and implementation into NASA GISS ModelE2. *Geoscientific Model Development*, **2015**, 8, 2399-2417	6.3	40
63	Simulation of dust aerosol radiative feedback using the GMOD: 2. Dust-climate interactions. *Journal of Geophysical Research*, **2010**, 115,		39

44	Responses of gross primary productivity to diffuse radiation at global FLUXNET sites. *Atmospheric Environment*, **2021**, 244, 117905	5.3	14
43	Aerosol climate change effects on land ecosystem services. *Faraday Discussions*, **2017**, 200, 121-142	3.6	13
42	An intercomparative study of the effects of aircraft emissions on surface air quality. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 8325-8344	4.4	12
41	Afforestation increases ecosystem productivity and carbon storage in China during the 2000s. *Agricultural and Forest Meteorology*, **2021**, 296, 108227	5.8	12
40	Impacts of aerosol pollutant mitigation on lowland rice yields in China. *Environmental Research Letters*, **2017**, 12, 104003	6.2	11
39	Ozone vegetation feedback through dry deposition and isoprene emissions in a global chemistry carbon climate model. *Atmospheric Chemistry and Physics*, **2020**, 20, 3841-3857	6.8	11
38	Climatic responses to the shortwave and longwave direct radiative effects of sea salt aerosol in present day and the last glacial maximum. *Climate Dynamics*, **2012**, 39, 3019-3040	4.2	11
37	The springtime North Asia cyclone activity index and the Southern Annular Mode. *Advances in Atmospheric Sciences*, **2008**, 25, 673-679	2.9	11
36	Emerging challenges of ozone impacts on asian plants: actions are needed to protect ecosystem health. *Ecosystem Health and Sustainability*, **2021**, 7, 1911602	3.7	10
35	Future inhibition of ecosystem productivity by increasing wildfire pollution over boreal North America. *Atmospheric Chemistry and Physics*, **2017**, 17, 13699-13719	6.8	9
34	Using a Modified Soil-Plant-Atmosphere Scheme (MSPAS) to simulate the interaction between land surface processes and atmospheric boundary layer in semi-arid regions. *Advances in Atmospheric Sciences*, **2004**, 21, 245-259	2.9	8
33	Numerical modeling of ozone damage to plants and its effects on atmospheric CO2 in China. *Atmospheric Environment*, **2019**, 217, 116970	5.3	7
32	Implementation of Yale Interactive terrestrial Biosphere model v1.0 into GEOS-Chem v12.0.0: a tool for biosphere chemistry interactions. *Geoscientific Model Development*, **2020**, 13, 1137-1153	6.3	7
31	Ozone pollution threatens the production of major staple crops in East Asia. *Nature Food*, **2022**, 3, 47-56	14.4	7
30	Aerosol radiative and climatic effects on ecosystem productivity and evapotranspiration. *Current Opinion in Environmental Science and Health*, **2021**, 19, 100218	8.1	7
29	Climate effects of stringent air pollution controls mitigate future maize losses in China. *Environmental Research Letters*, **2018**, 13, 124011	6.2	7
28	Mortality risk attributable to wildfire-related PM pollution: a global time series study in 749 locations. *Lancet Planetary Health, The*, **2021**, 5, e579-e587	9.8	7
27	Comparison of Ozone and PM2.5 Concentrations over Urban, Suburban, and Background Sites in China. *Advances in Atmospheric Sciences*, **2020**, 37, 1297-1309	2.9	6

26	Biogenic volatile organic compound emissions from leaves and fruits of apple and peach trees during fruit development. *Journal of Environmental Sciences*, **2021**, 108, 152-163	6.4	6
25	Air pollution from wildfires and human health vulnerability in Alaskan communities under climate change. *Environmental Research Letters*, **2020**, 15,	6.2	5
24	Enhanced PM Decreases and O Increases in China During COVID-19 Lockdown by Aerosol-Radiation Feedback. *Geophysical Research Letters*, **2021**, 48, e2020GL090260	4.9	5
23	Modeling the joint impacts of ozone and aerosols on crop yields in China: An air pollution policy scenario analysis. *Atmospheric Environment*, **2021**, 247, 118216	5.3	5
22	Large Contributions of Diffuse Radiation to Global Gross Primary Productivity During 1981�2015. *Global Biogeochemical Cycles*, **2021**, 35, e2021GB006957	5.9	5
21	Projection of weather potential for winter haze episodes in Beijing by 1.5�C and 2.0�C global warming. *Advances in Climate Change Research*, **2020**, 11, 218-226	4.1	4
20	Pathway dependence of ecosystem responses in China to 1.5 �C global warming. *Atmospheric Chemistry and Physics*, **2020**, 20, 2353-2366	6.8	4
19	Risk and burden of hospital admissions associated with wildfire-related PM in Brazil, 2000-15: a nationwide time-series study. *Lancet Planetary Health, The*, **2021**, 5, e599-e607	9.8	4
18	Probing the past 30 year phenology trend of US deciduous forests		3
17	A humidity-based exposure index representing ozone damage effects on vegetation. *Environmental Research Letters*, **2021**, 16, 044030	6.2	3
16	Decreased Anthropogenic CO2 Emissions during the COVID-19 Pandemic Estimated from FTS and MAX-DOAS Measurements at Urban Beijing. *Remote Sensing*, **2021**, 13, 517	5	3
15	Winter particulate pollution severity in North China driven by atmospheric teleconnections. *Nature Geoscience*, **2022**, 15, 349-355	18.3	3
14	Identifying the dominant climate-driven uncertainties in modeling gross primary productivity. *Science of the Total Environment*, **2021**, 800, 149518	10.2	2
13	Sources contributing to background surface ozone in the US Intermountain West		1
12	Distinguishing the drivers of trends in land carbon fluxes and plant volatile emissions over the past three decades		1
11	Impacts of Ozone-Vegetation Interactions on Ozone Pollution Episodes in North China and the Yangtze River Delta. *Geophysical Research Letters*, **2021**, 48, e2021GL093814	4.9	1
10	Relieved drought in China under a low emission pathway to 1.5�C global warming. *International Journal of Climatology*, **2021**, 41, E259	3.5	1
9	Projections of changes in ecosystem productivity under 1.5 �C and 2 �C global warming. *Global and Planetary Change*, **2021**, 205, 103588	4.2	1

8	Global Perspective of Drought Impacts on Ozone Pollution Episodes.. *Environmental Science & Technology*, **2022**,	10.3	1
7	Projected Aerosol Changes Driven by Emissions and Climate Change Using a Machine Learning Method.. *Environmental Science & Technology*, **2022**,	10.3	1
6	Impact of diffuse radiation on evapotranspiration and its coupling to carbon fluxes at global FLUXNET sites. *Agricultural and Forest Meteorology*, **2022**, 322, 109006	5.8	1
5	Indirect contributions of global fires to surface ozone through ozonevegetation feedback. *Atmospheric Chemistry and Physics*, **2021**, 21, 11531-11543	6.8	0
4	Ensemble projection of global isoprene emissions by the end of 21st century using CMIP6 models. *Atmospheric Environment*, **2021**, 267, 118766	5.3	0
3	Fast climate responses to emission reductions in aerosol and ozone precursors in China during 20132017. *Atmospheric Chemistry and Physics*, **2022**, 22, 7131-7142	6.8	0
2	Distinguishing the impacts of natural and anthropogenic aerosols on global gross primary productivity through diffuse fertilization effect. *Atmospheric Chemistry and Physics*, **2022**, 22, 693-709	6.8	
1	Identifying the Drivers of Modeling Uncertainties in Isoprene Emissions: Schemes Versus Meteorological Forcings. *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2020JD034242	4.4	