

Xu Yue

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Ozone pollution threatens the production of major staple crops in East Asia. <i>Nature Food</i> , 2022 , 3, 47-56	14.4	7
78	Distinguishing the impacts of natural and anthropogenic aerosols on global gross primary productivity through diffuse fertilization effect. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 693-709	6.8	
77	Global Perspective of Drought Impacts on Ozone Pollution Episodes.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	1
76	Projected Aerosol Changes Driven by Emissions and Climate Change Using a Machine Learning Method.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	1
75	Winter particulate pollution severity in North China driven by atmospheric teleconnections. <i>Nature Geoscience</i> , 2022 , 15, 349-355	18.3	3
74	Global Carbon Budget 2021. <i>Earth System Science Data</i> , 2022 , 14, 1917-2005	10.5	47
73	Impact of diffuse radiation on evapotranspiration and its coupling to carbon fluxes at global FLUXNET sites. <i>Agricultural and Forest Meteorology</i> , 2022 , 322, 109006	5.8	1
72	Fast climate responses to emission reductions in aerosol and ozone precursors in China during 2013-2017. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 7131-7142	6.8	0
71	A humidity-based exposure index representing ozone damage effects on vegetation. <i>Environmental Research Letters</i> , 2021 , 16, 044030	6.2	3
70	Impacts of Ozone-Vegetation Interactions on Ozone Pollution Episodes in North China and the Yangtze River Delta. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093814	4.9	1
69	Relieved drought in China under a low emission pathway to 1.5°C global warming. <i>International Journal of Climatology</i> , 2021 , 41, E259	3.5	1
68	Responses of gross primary productivity to diffuse radiation at global FLUXNET sites. <i>Atmospheric Environment</i> , 2021 , 244, 117905	5.3	14
67	Co-occurrence of ozone and PM _{2.5} pollution in the Yangtze River Delta over 2013-2019: Spatiotemporal distribution and meteorological conditions. <i>Atmospheric Research</i> , 2021 , 249, 105363	5.4	17
66	Enhanced PM Decreases and O Increases in China During COVID-19 Lockdown by Aerosol-Radiation Feedback. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL090260	4.9	5
65	Afforestation increases ecosystem productivity and carbon storage in China during the 2000s. <i>Agricultural and Forest Meteorology</i> , 2021 , 296, 108227	5.8	12
64	Aerosol radiative and climatic effects on ecosystem productivity and evapotranspiration. <i>Current Opinion in Environmental Science and Health</i> , 2021 , 19, 100218	8.1	7
63	Emerging challenges of ozone impacts on asian plants: actions are needed to protect ecosystem health. <i>Ecosystem Health and Sustainability</i> , 2021 , 7, 1911602	3.7	10

62	Decreased Anthropogenic CO ₂ Emissions during the COVID-19 Pandemic Estimated from FTS and MAX-DOAS Measurements at Urban Beijing. <i>Remote Sensing</i> , 2021 , 13, 517	5	3
61	Modeling the joint impacts of ozone and aerosols on crop yields in China: An air pollution policy scenario analysis. <i>Atmospheric Environment</i> , 2021 , 247, 118216	5.3	5
60	Large Contributions of Diffuse Radiation to Global Gross Primary Productivity During 1981–2015. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2021GB006957	5.9	5
59	Indirect contributions of global fires to surface ozone through ozone–vegetation feedback. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11531-11543	6.8	0
58	Risk and burden of hospital admissions associated with wildfire-related PM in Brazil, 2000-15: a nationwide time-series study. <i>Lancet Planetary Health</i> , 2021 , 5, e599-e607	9.8	4
57	Identifying the Drivers of Modeling Uncertainties in Isoprene Emissions: Schemes Versus Meteorological Forcings. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD034242	4.4	
56	Ensemble projection of global isoprene emissions by the end of 21st century using CMIP6 models. <i>Atmospheric Environment</i> , 2021 , 267, 118766	5.3	0
55	Mortality risk attributable to wildfire-related PM pollution: a global time series study in 749 locations. <i>Lancet Planetary Health</i> , 2021 , 5, e579-e587	9.8	7
54	Biogenic volatile organic compound emissions from leaves and fruits of apple and peach trees during fruit development. <i>Journal of Environmental Sciences</i> , 2021 , 108, 152-163	6.4	6
53	Projections of changes in ecosystem productivity under 1.5 °C and 2 °C global warming. <i>Global and Planetary Change</i> , 2021 , 205, 103588	4.2	1
52	Identifying the dominant climate-driven uncertainties in modeling gross primary productivity. <i>Science of the Total Environment</i> , 2021 , 800, 149518	10.2	2
51	Projection of weather potential for winter haze episodes in Beijing by 1.5°C and 2.0°C global warming. <i>Advances in Climate Change Research</i> , 2020 , 11, 218-226	4.1	4
50	Air pollution from wildfires and human health vulnerability in Alaskan communities under climate change. <i>Environmental Research Letters</i> , 2020 , 15,	6.2	5
49	Ozone–vegetation feedback through dry deposition and isoprene emissions in a global chemistry–carbon–climate model. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3841-3857	6.8	11
48	Implementation of Yale Interactive terrestrial Biosphere model v1.0 into GEOS-Chem v12.0.0: a tool for biosphere–chemistry interactions. <i>Geoscientific Model Development</i> , 2020 , 13, 1137-1153	6.3	7
47	Pathway dependence of ecosystem responses in China to 1.5 °C global warming. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 2353-2366	6.8	4
46	Rapid Increases in Warm-Season Surface Ozone and Resulting Health Impact in China Since 2013. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 240-247	11	102
45	Persistent ozone pollution episodes in North China exacerbated by regional transport. <i>Environmental Pollution</i> , 2020 , 265, 115056	9.3	17

44	Mitigation of ozone damage to the world's land ecosystems by source sector. <i>Nature Climate Change</i> , 2020 , 10, 134-137	21.4	17
43	Effects of atmospheric aerosols on terrestrial carbon fluxes and CO ₂ concentrations in China. <i>Atmospheric Research</i> , 2020 , 237, 104859	5.4	17
42	Global Carbon Budget 2020. <i>Earth System Science Data</i> , 2020 , 12, 3269-3340	10.5	533
41	Near-real-time monitoring of global CO emissions reveals the effects of the COVID-19 pandemic. <i>Nature Communications</i> , 2020 , 11, 5172	17.4	204
40	Meteorological influences on PM and O trends and associated health burden since China's clean air actions. <i>Science of the Total Environment</i> , 2020 , 744, 140837	10.2	42
39	Comparison of Ozone and PM _{2.5} Concentrations over Urban, Suburban, and Background Sites in China. <i>Advances in Atmospheric Sciences</i> , 2020 , 37, 1297-1309	2.9	6
38	Fast Climate Responses to Aerosol Emission Reductions During the COVID-19 Pandemic. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089788	4.9	29
37	Numerical modeling of ozone damage to plants and its effects on atmospheric CO ₂ in China. <i>Atmospheric Environment</i> , 2019 , 217, 116970	5.3	7
36	Source Contributions to Ambient Fine Particulate Matter for Canada. <i>Environmental Science & Technology</i> , 2019 , 53, 10269-10278	10.3	21
35	Climate effects of stringent air pollution controls mitigate future maize losses in China. <i>Environmental Research Letters</i> , 2018 , 13, 124011	6.2	7
34	Fire air pollution reduces global terrestrial productivity. <i>Nature Communications</i> , 2018 , 9, 5413	17.4	57
33	Wildfire-specific Fine Particulate Matter and Risk of Hospital Admissions in Urban and Rural Counties. <i>Epidemiology</i> , 2017 , 28, 77-85	3.1	100
32	Aerosol climate change effects on land ecosystem services. <i>Faraday Discussions</i> , 2017 , 200, 121-142	3.6	13
31	Impacts of aerosol pollutant mitigation on lowland rice yields in China. <i>Environmental Research Letters</i> , 2017 , 12, 104003	6.2	11
30	An intercomparative study of the effects of aircraft emissions on surface air quality. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 8325-8344	4.4	12
29	Aerosol optical depth thresholds as a tool to assess diffuse radiation fertilization of the land carbon uptake in China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 1329-1342	6.8	45
28	Future inhibition of ecosystem productivity by increasing wildfire pollution over boreal North America. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 13699-13719	6.8	9
27	Ozone and haze pollution weakens net primary productivity in China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 6073-6089	6.8	105

26	Particulate Air Pollution from Wildfires in the Western US under Climate Change. <i>Climatic Change</i> , 2016 , 138, 655-666	4.5	145
25	Wildfire influences on the variability and trend of summer surface ozone in the mountainous western United States. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 14687-14702	6.8	47
24	Limited effect of ozone reductions on the 20-year photosynthesis trend at Harvard forest. <i>Global Change Biology</i> , 2016 , 22, 3750-3759	11.4	15
23	Relationships between photosynthesis and formaldehyde as a probe of isoprene emission. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 8559-8576	6.8	16
22	Impact of 2050 climate change on North American wildfire: consequences for ozone air quality. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 10033-10055	6.8	38
21	Distinguishing the drivers of trends in land carbon fluxes and plant volatile emissions over the past 3 decades. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 11931-11948	6.8	30
20	The Yale Interactive terrestrial Biosphere model version 1.0: description, evaluation and implementation into NASA GISS ModelE2. <i>Geoscientific Model Development</i> , 2015 , 8, 2399-2417	6.3	40
19	Probing the past 30-year phenology trend of US deciduous forests. <i>Biogeosciences</i> , 2015 , 12, 4693-4709	4.6	34
18	Observed aerosol-induced radiative effect on plant productivity in the eastern United States. <i>Atmospheric Environment</i> , 2015 , 122, 463-476	5.3	33
17	Sources contributing to background surface ozone in the US Intermountain West. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 5295-5309	6.8	92
16	Ozone vegetation damage effects on gross primary productivity in the United States. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 9137-9153	6.8	61
15	Strong chemistry-climate feedbacks in the Pliocene. <i>Geophysical Research Letters</i> , 2014 , 41, 527-533	4.9	33
14	Projection of wildfire activity in southern California in the mid-21st century. <i>Climate Dynamics</i> , 2014 , 43, 1973-1991	4.2	29
13	Ensemble projections of wildfire activity and carbonaceous aerosol concentrations over the western United States in the mid-21st century. <i>Atmospheric Environment</i> , 2013 , 77, 767-780	5.3	152
12	Climatic responses to the shortwave and longwave direct radiative effects of sea salt aerosol in present day and the last glacial maximum. <i>Climate Dynamics</i> , 2012 , 39, 3019-3040	4.2	11
11	Role of sea surface temperature responses in simulation of the climatic effect of mineral dust aerosol. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 6049-6062	6.8	35
10	Simulation of the Direct Radiative Effect of Mineral Dust Aerosol on the Climate at the Last Glacial Maximum. <i>Journal of Climate</i> , 2011 , 24, 843-858	4.4	24
9	Simulation of dust aerosol radiative feedback using the GMOD: 2. Dust-climate interactions. <i>Journal of Geophysical Research</i> , 2010 , 115,		39

8	Direct climatic effect of dust aerosol in the NCAR Community Atmosphere Model Version 3 (CAM3). <i>Advances in Atmospheric Sciences</i> , 2010 , 27, 230-242	2.9	15
7	Simulation of dust aerosol radiative feedback using the Global Transport Model of Dust: 1. Dust cycle and validation. <i>Journal of Geophysical Research</i> , 2009 , 114,		49
6	The springtime North Asia cyclone activity index and the Southern Annular Mode. <i>Advances in Atmospheric Sciences</i> , 2008 , 25, 673-679	2.9	11
5	Using a Modified Soil-Plant-Atmosphere Scheme (MSPAS) to simulate the interaction between land surface processes and atmospheric boundary layer in semi-arid regions. <i>Advances in Atmospheric Sciences</i> , 2004 , 21, 245-259	2.9	8
4	Global Carbon Budget 2021		26
3	Sources contributing to background surface ozone in the US Intermountain West		1
2	Distinguishing the drivers of trends in land carbon fluxes and plant volatile emissions over the past three decades		1
1	Probing the past 30 year phenology trend of US deciduous forests		3