

Kai Yang

List of Publications by Year in descending order

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12
papers

390
citations

1163117

8
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1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

386
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of Spatiotemporal Anomalies of Tibetan Plateau Snow Cover on Summer Precipitation in Eastern China. <i>Journal of Climate</i> , 2017, 30, 885-903.	3.2	84
2	Water storage effect of soil freeze-thaw process and its impacts on soil hydro-thermal regime variations. <i>Agricultural and Forest Meteorology</i> , 2019, 265, 280-294.	4.8	67
3	Improved Simulation of Frozen-Thawing Process in Land Surface Model (CLM4.5). <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,238.	3.3	46
4	Seasonal persistence of soil moisture anomalies related to freeze-thaw over the Tibetan Plateau and prediction signal of summer precipitation in eastern China. <i>Climate Dynamics</i> , 2019, 53, 2411-2424.	3.8	44
5	A New Scheme for Considering Soil Water-Heat Transport Coupling Based on Community Land Model: Model Description and Preliminary Validation. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 927-950.	3.8	43
6	Contribution of soil moisture variability to summer precipitation in the Northern Hemisphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,108.	3.3	34
7	Most of the Northern Hemisphere Permafrost Remains under Climate Change. <i>Scientific Reports</i> , 2019, 9, 3295.	3.3	32
8	Impacts of Soil Freeze-Thaw Process and Snow Melting Over Tibetan Plateau on Asian Summer Monsoon System: A Review and Perspective. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	26
9	Decreasing Influence of Summer Snow Cover Over the Western Tibetan Plateau on East Asian Precipitation Under Global Warming. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	6
10	East-West Reverse Coupling Between Spring Soil Moisture and Summer Precipitation and Its Possible Responsibility for Wet Bias in GCMs Over Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	5
11	Improvement of summer precipitation simulation in China by assimilating spring soil moisture over the Tibetan Plateau. <i>Theoretical and Applied Climatology</i> , 0, , 1.	2.8	2
12	Improvement of summer precipitation simulation by correcting biases of spring soil moisture in the seasonal frozen-thawing zone over the Northern Hemisphere. <i>Climate Dynamics</i> , 2022, 58, 2767-2780.	3.8	1