Zhao-yong Hu

List of Publications by Year
in descending order

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23 papers	438 citations	623574 14 h-index	713332 21 g-index
23 all docs	23 docs citations	23 times ranked	558 citing authors

#	Article	IF	Citations
1	Effects of warming and nitrogen fertilization on GHG flux in the permafrost region of an alpine meadow. Atmospheric Environment, 2017, 157, 111-124.	1.9	63
2	Effects of warming and nitrogen fertilization on GHG flux in an alpine swamp meadow of a permafrost region. Science of the Total Environment, 2017, 601-602, 1389-1399.	3.9	57
3	Spatialâ€Temporal Patterns of Evapotranspiration Along an Elevation Gradient on Mount Gongga, Southwest China. Water Resources Research, 2018, 54, 4180-4192.	1.7	45
4	Net ecosystem carbon budget of a grassland ecosystem in central Qinghai-Tibet Plateau: integrating terrestrial and aquatic carbon fluxes at catchment scale. Agricultural and Forest Meteorology, 2020, 290, 108021.	1.9	27
5	Nitrogen addition reduces dissolved organic carbon leaching in a montane forest. Soil Biology and Biochemistry, 2018, 127, 31-38.	4.2	20
6	Spatiotemporal Variability and Sources of DIC in Permafrost Catchments of the Yangtze River Source Region: Insights From Stable Carbon Isotope and Water Chemistry. Water Resources Research, 2020, 56, e2019WR025343.	1.7	20
7	Improving Actual Evapotranspiration Estimation Integrating Energy Consumption for Ice Phase Change Across the Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031799.	1.2	18
8	Exploring the influence of environmental factors in partitioning evapotranspiration along an elevation gradient on Mount Gongga, eastern edge of the Qinghai-Tibet Platea, China. Journal of Mountain Science, 2020, 17, 384-396.	0.8	18
9	Importance of active layer freeze-thaw cycles on the riverine dissolved carbon export on the Qinghai-Tibet Plateau permafrost region. PeerJ, 2019, 7, e7146.	0.9	18
10	Boreal forest soil CO2 and CH4 fluxes following fire and their responses to experimental warming and drying. Science of the Total Environment, 2018, 644, 862-872.	3.9	17
11	The impact of land surface temperatures on suprapermafrost groundwater on the central Qinghaiâ€Tibet Plateau. Hydrological Processes, 2020, 34, 1475-1488.	1.1	17
12	Spatiotemporal Variability and Driving Factors of Tibetan Plateau Water Use Efficiency. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032642.	1.2	17
13	Temperature trends and elevation dependent warming during 1965â€“2014 in headwaters of Yangtze River, Qinghai Tibetan Plateau. Journal of Mountain Science, 2020, 17, 556-571.	0.8	17
14	The effect of nitrogen deposition rather than warming on carbon flux in alpine meadows depends on precipitation variations. Ecological Engineering, 2017, 107, 183-191.	1.6	16
15	Precipitation and air temperature control the variations of dissolved organic matter along an altitudinal forest gradient, Gongga Mountains, China. Environmental Science and Pollution Research, 2017, 24, 10391-10400.	2.7	15
16	Effect of climate change on seasonal water use efficiency in subalpine Abies fabri. Journal of Mountain Science, 2017, 14, 142-157.	0.8	12
17	A Carbon Flux Assessment Driven by Environmental Factors Over the Tibetan Plateau and Various Permafrost Regions. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 1132-1147.	1.3	12
18	Elevationâ€dependent changes in reference evapotranspiration due to climate change. Hydrological Processes, 2020, 34, 5580-5594.	1.1	12

#	Article	IF	Citations
19	Evidence of endophytic nitrogen fixation as a potential mechanism supporting colonization of non-nodulating pioneer plants on a glacial foreland. Biology and Fertility of Soils, 2022, 58, 527-539.	2.3	9
20	Incorporating a rainfall intensity modification factor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mi mathvariant="bold-italic">Î³</mml:mi></mml:math> into the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:mrow><mml:msub><mml:mi mathvariant="bold-italic">I</mml:mi><mml:mi mathvariant="bold-italic">a</mml:mi></mml:msub></mml:mrow></mml:math>-<mml:math xmlns:mml="	3.0	4
21	New cognition on the response of reference evapotranspiration to climate change in China using an independent climatic driver system. Agricultural Water Management, 2022, 262, 107445.	2.4	2
22	Variations in belowground carbon use strategies under different climatic conditions. Agricultural and Forest Meteorology, 2019, 268, 32-39.	1.9	1
23	Watershed scale patterns and controlling factors of ecosystem respiration and methane fluxes in a Tibetan alpine grassland. Agricultural and Forest Meteorology, 2021, 306, 108451.	1.9	1