

Qiuhan Zhu

List of Publications by Year in descending order

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65
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times ranked

6169
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Estimating natural nitrous oxide emissions from the Qinghai-Tibetan Plateau using a process-based model: Historical spatiotemporal patterns and future trends. <i>Ecological Modelling</i> , 2022, 466, 109902. | 2.5 | 3 |
| 2 | Contribution of the Order Ericales to Improving Paleoclimate Reconstructions. <i>Sustainability</i> , 2022, 14, 4008. | 3.2 | 0 |
| 3 | Contribution of Incorporating the Phosphorus Cycle into TRIPLEX-CNP to Improve the Quantification of Land Carbon Cycle. <i>Land</i> , 2022, 11, 778. | 2.9 | 0 |
| 4 | Temporal and Spatial Variation of Wetland CH ₄ Emissions from the Qinghai-Tibet Plateau under Future Climate Change Scenarios. <i>Atmosphere</i> , 2022, 13, 854. | 2.3 | 1 |
| 5 | Application of machine learning methods for paleoclimatic reconstructions from leaf traits. <i>International Journal of Climatology</i> , 2021, 41, E3249. | 3.5 | 5 |
| 6 | Global response of terrestrial gross primary productivity to climate extremes. <i>Science of the Total Environment</i> , 2021, 750, 142337. | 8.0 | 32 |
| 7 | Evaluation of Future Impacts of Climate Change, CO ₂ , and Land Use Cover Change on Global Net Primary Productivity Using a Processed Model. <i>Land</i> , 2021, 10, 365. | 2.9 | 5 |
| 8 | Combined control of multiple extreme climate stressors on autumn vegetation phenology on the Tibetan Plateau under past and future climate change. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108571. | 4.8 | 24 |
| 9 | Global vegetation biomass production efficiency constrained by models and observations. <i>Global Change Biology</i> , 2020, 26, 1474-1484. | 9.5 | 15 |
| 10 | Assessment of biomass utilization potential of <i>Caragana korshinskii</i> and its effect on carbon sequestration on the Northern Shaanxi Loess Plateau, China. <i>Land Degradation and Development</i> , 2020, 31, 53-64. | 3.9 | 13 |
| 11 | The significant contribution of lake depth in regulating global lake diffusive methane emissions. <i>Water Research</i> , 2020, 172, 115465. | 11.3 | 47 |
| 12 | High uncertainties detected in the wetlands distribution of the Qinghai-Tibet Plateau based on multisource data. <i>Landscape and Ecological Engineering</i> , 2020, 16, 47-61. | 1.5 | 11 |
| 13 | Extrapolation and Uncertainty Evaluation of Carbon Dioxide and Methane Emissions in the Qinghai-Tibetan Plateau Wetlands Since the 1960s. <i>Frontiers in Earth Science</i> , 2020, 8, . | 1.8 | 3 |
| 14 | Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. <i>Global Change Biology</i> , 2020, 26, 3336-3355. | 9.5 | 50 |
| 15 | Nitrous oxide emissions from three temperate forest types in the Qinling Mountains, China. <i>Journal of Forestry Research</i> , 2019, 30, 1417-1427. | 3.6 | 4 |
| 16 | Assessment of frozen ground organic carbon pool on the Qinghai-Tibet Plateau. <i>Journal of Soils and Sediments</i> , 2019, 19, 128-139. | 3.0 | 18 |
| 17 | Trait-Based Climate Change Predictions of Vegetation Sensitivity and Distribution in China. <i>Frontiers in Plant Science</i> , 2019, 10, 908. | 3.6 | 11 |
| 18 | Five-Year Measurements of Net Ecosystem CO ₂ Exchange at a Fen in the Zoige Peatlands on the Qinghai-Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11803-11818. | 3.3 | 22 |

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|----|---|------|-----------|
| 19 | Field-experiment constraints on the enhancement of the terrestrial carbon sink by CO ₂ fertilization. <i>Nature Geoscience</i> , 2019, 12, 809-814. | 12.9 | 58 |
| 20 | Modelling the impacts of climate and land use changes on soil water erosion: Model applications, limitations and future challenges. <i>Journal of Environmental Management</i> , 2019, 250, 109403. | 7.8 | 76 |
| 21 | Structural and functional differentiation of the microbial community in the surface and subsurface peat of two minerotrophic fens in China. <i>Plant and Soil</i> , 2019, 437, 21-40. | 3.7 | 22 |
| 22 | Vegetation Functional Properties Determine Uncertainty of Simulated Ecosystem Productivity: A Traceability Analysis in the East Asian Monsoon Region. <i>Global Biogeochemical Cycles</i> , 2019, 33, 668-689. | 4.9 | 38 |
| 23 | Spatial and temporal variations of N ₂ O emissions from global forest and grassland ecosystems. <i>Agricultural and Forest Meteorology</i> , 2019, 266-267, 129-139. | 4.8 | 36 |
| 24 | Changes in soil organic carbon and microbial carbon storage projected during the 21st century using TRIPLEX-MICROBE. <i>Ecological Indicators</i> , 2019, 98, 80-87. | 6.3 | 5 |
| 25 | Comparative analyses of different biogenic CO ₂ emission accounting systems in life cycle assessment. <i>Science of the Total Environment</i> , 2019, 652, 1456-1462. | 8.0 | 20 |
| 26 | Modeling Global Riverine DOC Flux Dynamics From 1951 to 2015. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 514-530. | 3.8 | 34 |
| 27 | Holocene peatland development and carbon stock of Zoige peatlands, Tibetan Plateau: a modeling approach. <i>Journal of Soils and Sediments</i> , 2018, 18, 2032-2043. | 3.0 | 5 |
| 28 | Estimates and Predictions of Methane Emissions from Wastewater in China from 2000 to 2020. <i>Earth's Future</i> , 2018, 6, 252-263. | 6.3 | 37 |
| 29 | The Global N ₂ O Model Intercomparison Project. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1231-1251. | 3.3 | 123 |
| 30 | Allocation Mechanisms of Non-Structural Carbohydrates of Robinia pseudoacacia L. Seedlings in Response to Drought and Waterlogging. <i>Forests</i> , 2018, 9, 754. | 2.1 | 12 |
| 31 | Quantification and scenario analysis of CO ₂ emissions from the central heating supply system in China from 2006 to 2025. <i>Applied Energy</i> , 2018, 225, 869-875. | 10.1 | 31 |
| 32 | Dynamics of vegetation autumn phenology and its response to multiple environmental factors from 1982 to 2012 on Qinghai-Tibetan Plateau in China. <i>Science of the Total Environment</i> , 2018, 637-638, 855-864. | 8.0 | 76 |
| 33 | CO ₂ and CO ₂ fluxes of the metropolitan river network in relation to the urbanization of Chongqing, China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 470-486. | 3.0 | 71 |
| 34 | Quantification of the response of global terrestrial net primary production to multifactor global change. <i>Ecological Indicators</i> , 2017, 76, 245-255. | 6.3 | 36 |
| 35 | Interannual variation in methane emissions from tropical wetlands triggered by repeated El Niño Southern Oscillation. <i>Global Change Biology</i> , 2017, 23, 4706-4716. | 9.5 | 28 |
| 36 | The carbon flux of global rivers: A re-evaluation of amount and spatial patterns. <i>Ecological Indicators</i> , 2017, 80, 40-51. | 6.3 | 106 |

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|----|---|------|-----------|
| 37 | Quantification of methane emissions from municipal solid waste landfills in China during the past decade. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 78, 272-279. | 16.4 | 77 |
| 38 | Spatial patterns of leaf $\delta^{13}C$ and its relationship with plant functional groups and environmental factors in China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1564-1575. | 3.0 | 17 |
| 39 | Model prediction of biome-specific global soil respiration from 1960 to 2012. <i>Earth's Future</i> , 2017, 5, 715-729. | 6.3 | 60 |
| 40 | Qinghai-tibetan plateau peatland sustainable utilization under anthropogenic disturbances and climate change. <i>Ecosystem Health and Sustainability</i> , 2017, 3, . | 3.1 | 40 |
| 41 | Modeling Global Soil Carbon and Soil Microbial Carbon by Integrating Microbial Processes into the Ecosystem Process Model (TRIPLEX-GHG). <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2368-2384. | 3.8 | 47 |
| 42 | Process-based (TRIPLEX-GHG) model for simulating N_2O emissions from global forests and grasslands: Model development and evaluation. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2079-2102. | 3.8 | 14 |
| 43 | Towards a paradigm for open and free sharing of scientific data on global change science in china. <i>Ecosystem Health and Sustainability</i> , 2016, 2, . | 3.1 | 13 |
| 44 | Uncertainty analysis of terrestrial net primary productivity and net biome productivity in China during 1901-2005. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1372-1393. | 3.0 | 35 |
| 45 | Climate-driven increase of natural wetland methane emissions offset by human-induced wetland reduction in China over the past three decades. <i>Scientific Reports</i> , 2016, 6, 38020. | 3.3 | 13 |
| 46 | Simulated effects of nitrogen saturation on the global carbon budget using the IBIS model. <i>Scientific Reports</i> , 2016, 6, 39173. | 3.3 | 13 |
| 47 | A global meta-analysis of changes in soil carbon, nitrogen, phosphorus and sulfur, and stoichiometric shifts after forestation. <i>Plant and Soil</i> , 2016, 407, 323-340. | 3.7 | 87 |
| 48 | Soil properties and species composition under different grazing intensity in an alpine meadow on the eastern Tibetan Plateau, China. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 678. | 2.7 | 31 |
| 49 | A novel approach for modelling vegetation distributions and analysing vegetation sensitivity through trait-climate relationships in China. <i>Scientific Reports</i> , 2016, 6, 24110. | 3.3 | 19 |
| 50 | Effects of enclosure time on the community composition of methanotrophs in the soils of the Inner Mongolia grasslands. <i>Journal of Soils and Sediments</i> , 2016, 16, 1022-1031. | 3.0 | 14 |
| 51 | Responses of peat carbon at different depths to simulated warming and oxidizing. <i>Science of the Total Environment</i> , 2016, 548-549, 429-440. | 8.0 | 32 |
| 52 | Integrating a model with remote sensing observations by a data assimilation approach to improve the model simulation accuracy of carbon flux and evapotranspiration at two flux sites. <i>Science China Earth Sciences</i> , 2016, 59, 337-348. | 5.2 | 9 |
| 53 | The Spatial and Temporal Distribution of Dissolved Organic Carbon Exported from Three Chinese Rivers to the China Sea. <i>PLoS ONE</i> , 2016, 11, e0165039. | 2.5 | 17 |
| 54 | The global methane budget 2000-2012. <i>Earth System Science Data</i> , 2016, 8, 697-751. | 9.9 | 824 |

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|----|--|------|-----------|
| 55 | Estimating global natural wetland methane emissions using process modelling: spatio-temporal patterns and contributions to atmospheric methane fluctuations. <i>Global Ecology and Biogeography</i> , 2015, 24, 959-972. | 5.8 | 53 |
| 56 | Monitoring the impact of aerosol contamination on the drought-induced decline of gross primary productivity. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 36, 30-40. | 2.8 | 3 |
| 57 | Analysis of vegetation dynamics and climatic variability impacts on greenness across Canada using remotely sensed data from 2000 to 2009. <i>Journal of Applied Remote Sensing</i> , 2014, 8, 083666. | 1.3 | 11 |
| 58 | Carbon dynamics of peatlands in China during the Holocene. <i>Quaternary Science Reviews</i> , 2014, 99, 34-41. | 3.0 | 49 |
| 59 | Quantification of soil respiration in forest ecosystems across China. <i>Atmospheric Environment</i> , 2014, 94, 546-551. | 4.1 | 42 |
| 60 | The carbon stock of alpine peatlands on the Qinghai-Tibetan Plateau during the Holocene and their future fate. <i>Quaternary Science Reviews</i> , 2014, 95, 151-158. | 3.0 | 118 |
| 61 | Long-term changes in tree basal area across the boreal zone, Canada. <i>Ecoscience</i> , 2014, 21, 232-241. | 1.4 | 5 |
| 62 | Hydrologic Response to Land Use and Land Cover Changes within the Context of Catchment-Scale Spatial Information. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 1539-1548. | 1.9 | 21 |
| 63 | Assessing the spatio-temporal variation and uncertainty patterns of historical and future projected water resources in China. <i>Journal of Water and Climate Change</i> , 2013, 4, 302-316. | 2.9 | 1 |
| 64 | A drought-induced pervasive increase in tree mortality across Canada's boreal forests. <i>Nature Climate Change</i> , 2011, 1, 467-471. | 18.8 | 653 |
| 65 | Quantification of provincial-level carbon emissions from energy consumption in China. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 3658-3668. | 16.4 | 65 |