# Zhongyi Sun

## List of Publications by Year
in descending order

| 26 papers | 599 citations | 759233 12 h-index | 610901 24 g-index |
|-----------|---------------|-----------|-----------|
| 26 all docs | 26 docs citations | 26 times ranked | 696 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Integrated risk assessment of flood disaster based on improved set pair analysis and the variable fuzzy set theory in central Liaoning Province, China. Natural Hazards, 2014, 74, 947-965. | 3.4 | 125 |
| 2 | Evaluating and comparing remote sensing terrestrial GPP models for their response to climate variability and $CO_2$ trends. Science of the Total Environment, 2019, 668, 696-713. | 8.0 | 66 |
| 3 | NDVI Indicates Long-Term Dynamics of Vegetation and Its Driving Forces from Climatic and Anthropogenic Factors in Mongolian Plateau. Remote Sensing, 2021, 13, 688. | 4.0 | 54 |
| 4 | Study on spatial distribution of crop residue burning and PM2.5 change in China. Environmental Pollution, 2017, 220, 204-221. | 7.5 | 51 |
| 5 | Spatial pattern of GPP variations in terrestrial ecosystems and its drivers: Climatic factors, $CO_2$ concentration and land-cover change, 1982–2015. Ecological Informatics, 2018, 46, 156-165. | 5.2 | 45 |
| 6 | Exploring the effects of crop residue burning on local haze pollution in Northeast China using ground and satellite data. Atmospheric Environment, 2019, 199, 189-201. | 4.1 | 38 |
| 7 | Integrated risk zoning of drought and waterlogging disasters based on fuzzy comprehensive evaluation in Anhui Province, China. Natural Hazards, 2014, 71, 1639-1657. | 3.4 | 35 |
| 8 | Patterns and controls of vegetation productivity and precipitation-use efficiency across Eurasian grasslands. Science of the Total Environment, 2020, 741, 140204. | 8.0 | 22 |
| 9 | Fuzzy Comprehensive Evaluation-Based Disaster Risk Assessment of Desertification in Horqin Sand Land, China. International Journal of Environmental Research and Public Health, 2015, 12, 1703-1725. | 2.6 | 21 |
| 10 | The impacts of long-term and year-to-year temperature change on corn yield in China. Theoretical and Applied Climatology, 2015, 119, 77-82. | 2.8 | 21 |
| 11 | Characterizing Spatiotemporal Dynamics of CH4 Fluxes from Rice Paddies of Cold Region in Heilongjiang Province under Climate Change. International Journal of Environmental Research and Public Health, 2019, 16, 692. | 2.6 | 19 |
| 12 | The impact of irrigation water supply rate on agricultural drought disaster risk: a case about maize based on EPIC in Baicheng City, China. Natural Hazards, 2015, 78, 23-40. | 3.4 | 16 |
| 13 | Spatiotemporal Analysis of Maize Water Requirement in the Heilongjiang Province of China during 1960–2015. Water (Switzerland), 2020, 12, 2472. | 2.7 | 11 |
| 14 | An attempt to introduce atmospheric $CO_2$ concentration data to estimate the gross primary production by the terrestrial biosphere and analyze its effects. Ecological Indicators, 2018, 84, 218-234. | 6.3 | 10 |
| 15 | Extraction of rice-planting area and identification of chilling damage by remote sensing technology: a case study of the emerging rice production region in high latitude. Paddy and Water Environment, 2017, 15, 181-191. | 1.8 | 9 |
| 16 | Analyzing temporo-spatial changes and the distribution of the $CO_2$ concentration in Australia from 2009 to 2016 by greenhouse gas monitoring satellites. Atmospheric Environment, 2018, 192, 1-12. | 4.1 | 8 |
| 17 | Effects of Irrigation Schedules on Maize Yield and Water Use Efficiency under Future Climate Scenarios in Heilongjiang Province Based on the AquaCrop Model. Agronomy, 2022, 12, 810. | 3.0 | 8 |
| 18 | Spatiotemporal variation of heat and cold waves and their potential relation with the large-scale atmospheric circulation across Inner Mongolia, China. Theoretical and Applied Climatology, 2020, 142, 643-659. | 2.8 | 6 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 19 | Spatial Distribution of CO&lt;SUB&gt;2&lt;/SUB&gt; Concentration over South America during ENSO Episodes by Using GOSAT Data. American Journal of Climate Change, 2016, 05, 77-87. | 0.9 | 6 |
| 20 | A Modified Aerosol Free Vegetation Index Algorithm for Aerosol Optical Depth Retrieval Using GOSAT TANSO-CAI Data. Remote Sensing, 2016, 8, 998. | 4.0 | 5 |
| 21 | A Dark Target Algorithm for the GOSAT TANSO-CAI Sensor in Aerosol Optical Depth Retrieval over Land. Remote Sensing, 2017, 9, 524. | 4.0 | 4 |
| 22 | Analyzing CO2 concentration changes and their influencing factors in Indonesia by OCO-2 and other multi-sensor remote-sensing data. International Journal of Digital Earth, 2018, 11, 825-844. | 3.9 | 4 |
| 23 | The effects of spatiotemporal patterns of atmospheric CO2 concentration on terrestrial gross primary productivity estimation. Climatic Change, 2020, 163, 913-930. | 3.6 | 4 |
| 24 | Study on the Water Supply and the Requirements, Yield, and Water Use Efficiency of Maize in Heilongjiang Province Based on the AquaCrop Model. Water (Switzerland), 2021, 13, 2665. | 2.7 | 4 |
| 25 | A Study on the Vulnerability of the Gross Primary Production of Rubber Plantations to Regional Short-Term Flash Drought over Hainan Island. Forests, 2022, 13, 893. | 2.1 | 4 |
| 26 | A Study on Sensitivities of Tropical Forest GPP Responding to the Characteristics of Drought—A Case Study in Xishuangbanna, China. Water (Switzerland), 2022, 14, 157. | 2.7 | 3 |