Guoxiong Zheng

List of Publications by Year in Descending Order

28 papers	641 citations	13 h-index	25 g-index
35 ext. papers	1,077 ext. citations	6.8 avg, IF	4.44 L-index

#	Paper	IF	Citations
28	Towards ice-thickness inversion: an evaluation of global digital elevation models (DEMs) in the glacierized Tibetan Plateau. *Cryosphere*, **2022**, 16, 197-218	5.5	2
27	Disentangling the relative effects of soil moisture and vapor pressure deficit on photosynthesis in dryland Central Asia. *Ecological Indicators*, **2022**, 137, 108698	5.8	0
26	Probabilistic assessment of vegetation vulnerability to drought stress in Central Asia.. *Journal of Environmental Management*, **2022**, 310, 114504	7.9	1
25	Assessment of CMIP6 in simulating precipitation over arid Central Asia. *Atmospheric Research*, **2021**, 252, 105451	5.4	11
24	Increasing risk of glacial lake outburst floods from future Third Pole deglaciation. *Nature Climate Change*, **2021**, 11, 411-417	21.4	40
23	Evaluation of Glacial Lake Outburst Flood Susceptibility Using Multi-Criteria Assessment Framework in Mahalangur Himalaya. *Frontiers in Earth Science*, **2021**, 8,	3.5	11
22	Numerous unreported glacial lake outburst floods in the Third Pole revealed by high-resolution satellite data and geomorphological evidence. *Science Bulletin*, **2021**, 66, 1270-1270	10.6	9
21	The 2020 glacial lake outburst flood at Jinwuco, Tibet: causes, impacts, and implications for hazard and risk assessment. *Cryosphere*, **2021**, 15, 3159-3180	5.5	7
20	Using Synthetic Remote Sensing Indicators to Monitor the Land Degradation in a Salinized Area. *Remote Sensing*, **2021**, 13, 2851	5	1
19	Spatiotemporal Monitoring of Soil CO2 Efflux in a Subtropical Forest during the Dry Season Based on Field Observations and Remote Sensing Imagery. *Remote Sensing*, **2021**, 13, 3481	5	1
18	Assessing vegetation stability to climate variability in Central Asia. *Journal of Environmental Management*, **2021**, 298, 113330	7.9	3
17	Are China's water bodies (lakes) underestimated?. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 6308-6309	11.5	5
16	The effects of water stress on croplands in the Aral Sea basin. *Journal of Cleaner Production*, **2020**, 254, 120114	10.3	14
15	Assessing land degradation and quantifying its drivers in the Amudarya River delta. *Ecological Indicators*, **2019**, 107, 105595	5.8	23
14	Determining variable weights for an Optimal Scaled Drought Condition Index (OSDCI): Evaluation in Central Asia. *Remote Sensing of Environment*, **2019**, 231, 111220	13.2	20
13	Monitoring the long-term desertification process and assessing the relative roles of its drivers in Central Asia. *Ecological Indicators*, **2019**, 104, 195-208	5.8	50
12	The Potential of Multispectral Vegetation Indices Feature Space for Quantitatively Estimating the Photosynthetic, Non-Photosynthetic Vegetation and Bare Soil Fractions in Northern China. *Photogrammetric Engineering and Remote Sensing*, **2019**, 85, 65-76	1.6	1

11	Sustained growth of high mountain lakes in the headwaters of the Syr Darya River, Central Asia. *Global and Planetary Change*, **2019**, 176, 84-99	4.2	16
10	A robust but variable lake expansion on the Tibetan Plateau. *Science Bulletin*, **2019**, 64, 1306-1309	10.6	81
9	Exploring Variability in Landscape Ecological Risk and Quantifying Its Driving Factors in the Amu Darya Delta. *International Journal of Environmental Research and Public Health*, **2019**, 17,	4.6	8
8	Monitoring land sensitivity to desertification in Central Asia: Convergence or divergence?. *Science of the Total Environment*, **2019**, 658, 669-683	10.2	36
7	Disentangling the relative impacts of climate change and human activities on arid and semiarid grasslands in Central Asia during 1982-2015. *Science of the Total Environment*, **2019**, 653, 1311-1325	10.2	75
6	Regional differences of lake evolution across China during 1960s2015 and its natural and anthropogenic causes. *Remote Sensing of Environment*, **2019**, 221, 386-404	13.2	140
5	Lake-area mapping in the Tibetan Plateau: an evaluation of data and methods. *International Journal of Remote Sensing*, **2017**, 38, 742-772	3.1	38
4	Automated Water Classification in the Tibetan Plateau Using Chinese GF-1 WFV Data. *Photogrammetric Engineering and Remote Sensing*, **2017**, 83, 509-519	1.6	24
3	Comparison of Methods for Estimating Fractional Cover of Photosynthetic and Non-Photosynthetic Vegetation in the Otindag Sandy Land Using GF-1 Wide-Field View Data. *Remote Sensing*, **2016**, 8, 800	5	18
2	Future changes of drought characteristics in Coupled Model Intercomparison Project phase 6 Shared Socioeconomic Pathway scenarios over Central Asia. *International Journal of Climatology*,	3.5	1
1	Accelerated glacier mass loss in the largest river and lake source regions of the Tibetan Plateau and its links with local water balance over 19762017. *Journal of Glaciology*,1-15	3.4	4