Chaolei Zheng

List of Publications by Year
in descending order

32 papers	560 citations	686830 13 h-index	642321 23 g-index
33 all docs	33 docs citations	33 times ranked	762 citing authors

#	Article	IF	Citations
1	Soil moisture experiment in the Luan River supporting new satellite mission opportunities. Remote Sensing of Environment, 2020, 240, 111680.	4.6	120
2	Best hyperspectral indices for tracing leaf water status as determined from leaf dehydration experiments. Ecological Indicators, 2015, 54, 96-107.	2.6	48
3	Global canopy rainfall interception loss derived from satellite earth observations. Ecohydrology, 2020, 13, e2186.	1.1	41
4	Performance of the Standardized Precipitation Index Based on the TMPA and CMORPH Precipitation Products for Drought Monitoring in China. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1387-1396.	2.3	35
5	Spatiotemporal variations of reference evapotranspiration in recent five decades in the arid land of Northwestern China. Hydrological Processes, 2014, 28, 6124-6134.	1.1	32
6	Early Drought Detection by Spectral Analysis of Satellite Time Series of Precipitation and Normalized Difference Vegetation Index (NDVI). Remote Sensing, 2016, 8, 422.	1.8	31
7	Seasonal and annual variation in transpiration of a dominant desert species, <i>Haloxylon ammodendron</i>, in Central Asia up‐scaled from sap flow measurement. Ecohydrology, 2015, 8, 948-960.	1.1	26
8	Water‐use response to climate factors at whole tree and branch scale for a dominant desert species in central Asia: <i>Haloxylon ammodendron</i>. Ecohydrology, 2014, 7, 56-63.	1.1	25
9	Spatiotemporal pattern of the global sensitivity of the reference evapotranspiration to climatic variables in recent five decades over China. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1937-1947.	1.9	25
10	Variations in precipitation extremes in the arid and semi‐arid regions of China. International Journal of Climatology, 2021, 41, 1542-1554.	1.5	25
11	Calibration and Validation of SWAT Model by Using Hydrological Remote Sensing Observables in the Lake Chad Basin. Remote Sensing, 2022, 14, 1511.	1.8	21
12	Coupling SEBAL with a new radiation module and MODIS products for better estimation of evapotranspiration. Hydrological Sciences Journal, 2016, 61, 1535-1547.	1.2	18
13	Characterizing vegetation response to rainfall at multiple temporal scales in the Sahel-Sudano-Guinean region using transfer function analysis. Remote Sensing of Environment, 2021, 252, 112108.	4.6	18
14	Earth Observations-Based Evapotranspiration in Northeastern Thailand. Remote Sensing, 2019, 11, 138.	1.8	14
15	A digital camera as an alternative tool for estimating soil salinity and soil surface roughness. Geoderma, 2019, 341, 68-75.	2.3	12
16	Evapotranspiration estimates from an energy-water-balance model calibrated on satellite land surface temperature over the Heihe basin. Journal of Arid Environments, 2021, 188, 104466.	1.2	10
17	Optimizing Window Length for Turbulent Heat Flux Calculations from Airborne Eddy Covariance Measurements under Near Neutral to Unstable Atmospheric Stability Conditions. Remote Sensing, 2018, 10, 670.	1.8	8
18	A numerical analysis of aggregation error in evapotranspiration estimates due to heterogeneity of soil moisture and leaf area index. Agricultural and Forest Meteorology, 2019, 269-270, 335-350.	1.9	8

#	ARTICLE	IF	CITATIONS
19	Estimation of subpixel snow sublimation from multispectral satellite observations. Journal of Applied Remote Sensing, 2017, 11, 1.	0.6	7
20	Global evapotranspiration derived by ETMonitor model based on earth observations. , 2016, , .		6
21	A prototype web-based analysis platform for drought monitoring and early warning. International Journal of Digital Earth, 2020, 13, 817-831.	1.6	6
22	Adaptablity of Six Global Drought Indices Over China. , 2019, , .		4
23	Assessment of Water Use in Pan-Eurasian and African Continents by ETMonitor with Multi-Source Satellite Data. IOP Conference Series: Earth and Environmental Science, 2017, 57, 012050.	0.2	3
24	Estimation of Global Cropland Gross Primary Production from Satellite Observations by Integrating Water Availability Variable in Light-Use-Efficiency Model. Remote Sensing, 2022, 14, 1722.	1.8	3
25	Multi-Source Hydrological Data Products to Monitor High Asian River Basins and Regional Water Security. Remote Sensing, 2021, 13, 5122.	1.8	3
26	Characteristics and trends of meteorological drought over China from remote sensing precipitation datasets. , 2016, , .		2
27	Global rainfall interception loss derived from multi-source satellite earth observations. , 2016, , .		2
28	Evaluation of the harmonic-analysis method for surface soil heat flux estimation: a case study in Heihe River Basin. Proceedings of SPIE, 2014, , .	0.8	1
29	Evapotranspiration Estimation in Tropical Monsoon Regions Using Improved ETMonitor Algorithm. , 2019, , .		1
30	A Scheme to Estimate Diurnal Cycle of Evapotranspiration from Geostationary Meteorological Satellite Observations. Water (Switzerland), 2020, 12, 2369.	1.2	1
31	Terrestrial water cycle in South and East Asia: Hydrospheric and cryospheric data products. , 2016, , .		0
32	Evaluation of ET data products: Parameterizations, rate limiting process and influential surface properties. , 2016, , .		0