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	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
2	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
3	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
4	Variations in precipitation extremes in the arid and semiâ€arid regions of China. International Journal of Climatology, 2021, 41, 1542-1554.	1.5	25
5	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
6	Multi-Source Hydrological Data Products to Monitor High Asian River Basins and Regional Water Security. Remote Sensing, 2021, 13, 5122.	1.8	3
7	A prototype web-based analysis platform for drought monitoring and early warning. International Journal of Digital Earth, 2020, 13, 817-831.	1.6	6
8	Global canopy rainfall interception loss derived from satellite earth observations. Ecohydrology, 2020, 13, e2186.	1.1	41
9	A Scheme to Estimate Diurnal Cycle of Evapotranspiration from Geostationary Meteorological Satellite Observations. Water (Switzerland), 2020, 12, 2369.	1.2	1
10	Soil moisture experiment in the Luan River supporting new satellite mission opportunities. Remote Sensing of Environment, 2020, 240, 111680.	4.6	120
11	A digital camera as an alternative tool for estimating soil salinity and soil surface roughness. Geoderma, 2019, 341, 68-75.	2.3	12
12	Earth Observations-Based Evapotranspiration in Northeastern Thailand. Remote Sensing, 2019, 11, 138.	1.8	14
13	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
14	Evapotranspiration Estimation in Tropical Monsoon Regions Using Improved ETMonitor Algorithm. , 2019, , .		1
15	Adaptablity of Six Global Drought Indices Over China. , 2019, , .		4
16	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
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	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

#	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	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
21	Terrestrial water cycle in South and East Asia: Hydrospheric and cryospheric data products. , 2016, , .		0
22	Evaluation of ET data products: Parameterizations, rate limiting process and influential surface properties. , 2016, , .		0
23	Global evapotranspiration derived by ETMonitor model based on earth observations. , 2016, , .		6
24	Characteristics and trends of meteorological drought over China from remote sensing precipitation datasets. , 2016, , .		2
25	Global rainfall interception loss derived from multi-source satellite earth observations. , 2016, , .		2
26	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
27	Best hyperspectral indices for tracing leaf water status as determined from leaf dehydration experiments. Ecological Indicators, 2015, 54, 96-107.	2.6	48
28	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
29	Seasonal and annual variation in transpiration of a dominant desert species, Haloxylon ammodendron, in Central Asia upâ€scaled from sap flow measurement. Ecohydrology, 2015, 8, 948-960.	1.1	26
30	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
31	Waterâ€use response to climate factors at whole tree and branch scale for a dominant desert species in central Asia: Haloxylon ammodendron. Ecohydrology, 2014, 7, 56-63.	1.1	25
32	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