Yang Lu

List of Publications by Year in descending order

14 papers	281 citations	840776 11 h-index	1058476 14 g-index
15 all docs	15 docs citations	15 times ranked	219 citing authors

#	ARTICLE	IF	CITATIONS
1	Early season prediction of within-field crop yield variability by assimilating CubeSat data into a crop model. Agricultural and Forest Meteorology, 2022, 313, 108736.	4.8	40
2	A double instrumental variable method for geophysical product error estimation. Remote Sensing of Environment, 2019, 225, 217-228.	11.0	36
3	Mapping Surface Heat Fluxes by Assimilating SMAP Soil Moisture and GOES Land Surface Temperature Data. Water Resources Research, 2017, 53, 10858-10877.	4.2	32
4	Assimilation of soil moisture and canopy cover data improves maize simulation using an under-calibrated crop model. Agricultural Water Management, 2021, 252, 106884.	5.6	30
5	Estimating surface turbulent heat fluxes from land surface temperature and soil moisture observations using the particle batch smoother. Water Resources Research, 2016, 52, 9086-9108.	4.2	26
6	Reconstruction of All-Weather Daytime and Nighttime MODIS Aqua-Terra Land Surface Temperature Products Using an XGBoost Approach. Remote Sensing, 2021, 13, 4723.	4.0	22
7	An instrument variable based algorithm for estimating cross-correlated hydrological remote sensing errors. Journal of Hydrology, 2020, 581, 124413.	5.4	20
8	Global sensitivity analysis of crop yield and transpiration from the FAO-AquaCrop model for dryland environments. Field Crops Research, 2021, 269, 108182.	5.1	16
9	Improving Soil Moisture and Surface Turbulent Heat Flux Estimates by Assimilation of SMAP Brightness Temperatures or Soil Moisture Retrievals and GOES Land Surface Temperature Retrievals. Journal of Hydrometeorology, 2020, 21, 183-203.	1.9	12
10	Evaluation of microwave soil moisture data for monitoring live fuel moisture content (LFMC) over the coterminous United States. Science of the Total Environment, 2021, 771, 145410.	8.0	12
11	Synergies between Urban Heat Island and Urban Heat Wave Effects in 9 Global Mega-Regions from 2003 to 2020. Remote Sensing, 2022, 14, 70.	4.0	12
12	Multi-variable assimilation into a modified AquaCrop model for improved maize simulation without management or crop phenology information. Agricultural Water Management, 2022, 266, 107576.	5.6	10
13	Impact of Soil Moisture Data Resolution on Soil Moisture and Surface Heat Flux Estimates through Data Assimilation: A Case Study in the Southern Great Plains. Journal of Hydrometeorology, 2019, 20, 715-730.	1.9	8
14	Assessment of Empirical Algorithms for Shallow Water Bathymetry Using Multi-Spectral Imagery of Pearl River Delta Coast, China. Remote Sensing, 2021, 13, 3123.	4.0	5