

# Yang Lu

## List of Publications by Year in descending order

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