Lei Xu

List of Publications by Year
in descending order

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29	1,217	430442	476904
papers	citations	18 h-index	29 g-index

29	29	29	1183
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A spatiotemporal deep learning model ST-LSTM-SA for hourly rainfall forecasting using radar echo images. Journal of Hydrology, 2022, 609, 127748.	2.3	27
2	Assessing irrigation mitigating drought impacts on crop yields with an integrated modeling framework. Journal of Hydrology, 2022, 609, 127760.	2.3	14
3	A Novel Fusion Method for Generating Surface Soil Moisture Data With High Accuracy, High Spatial Resolution, and High Spatioâ€Temporal Continuity. Water Resources Research, 2022, 58, .	1.7	15
4	Quantifying the uncertainty of precipitation forecasting using probabilistic deep learning. Hydrology and Earth System Sciences, 2022, 26, 2923-2938.	1.9	10
5	Coarse-to-fine waterlogging probability assessment based on remote sensing image and social media data. Geo-Spatial Information Science, 2021, 24, 279-301.	2.4	12
6	In-situ and triple-collocation based evaluations of eight global root zone soil moisture products. Remote Sensing of Environment, 2021, 254, 112248.	4.6	77
7	Spatiotemporal characteristics and estimates of extreme precipitation in the <scp>Yangtze River Basin</scp> using <scp>GLDAS</scp> data. International Journal of Climatology, 2021, 41, E1812.	1.5	15
8	Sub-regional groundwater storage recovery in North China Plain after the South-to-North water diversion project. Journal of Hydrology, 2021, 597, 126156.	2.3	70
9	NDVI Variation and Yield Prediction in Growing Season: A Case Study with Tea in Tanuyen Vietnam. Atmosphere, 2021, 12, 962.	1.0	11
10	A parametric multivariate drought index for drought monitoring and assessment under climate change. Agricultural and Forest Meteorology, 2021, 310, 108657.	1.9	34
11	Forest classification using synthetic GF-1/WFV time series and phenological parameters. Journal of Applied Remote Sensing, 2021, 15, .	0.6	3
12	Spatiotemporal forecasting in earth system science: Methods, uncertainties, predictability and future directions. Earth-Science Reviews, 2021, 222, 103828.	4.0	46
13	Drought propagation modification after the construction of the Three Gorges Dam in the Yangtze River Basin. Journal of Hydrology, 2021, 603, 127138.	2.3	39
14	A Combined Optimizationâ€Assimilation Framework to Enhance the Predictive Skill of Community Land Model. Water Resources Research, 2021, 57, e2021WR029879.	1.7	8
15	A Vehicle-Borne Mobile Mapping System Based Framework for Semantic Segmentation and Modeling on Overhead Catenary System Using Deep Learning. Remote Sensing, 2021, 13, 4939.	1.8	4
16	Continental drought monitoring using satellite soil moisture, data assimilation and an integrated drought index. Remote Sensing of Environment, 2020, 250, 112028.	4.6	94
17	Potential Precipitation Predictability Decreases Under Future Warming. Geophysical Research Letters, 2020, 47, e2020GL090798.	1.5	9
18	Using Multi-Temporal MODIS NDVI Data to Monitor Tea Status and Forecast Yield: A Case Study at Tanuyen, Laichau, Vietnam. Remote Sensing, 2020, 12, 1814.	1.8	19

#	Article	IF	Citations
19	Improving Global Monthly and Daily Precipitation Estimation by Fusing Gauge Observations, Remote Sensing, and Reanalysis Data Sets. Water Resources Research, 2020, 56, e2019WR026444.	1.7	64
20	A data-driven multi-model ensemble for deterministic and probabilistic precipitation forecasting at seasonal scale. Climate Dynamics, 2020, 54, 3355-3374.	1.7	26
21	A spatiotemporal deep learning model for sea surface temperature field prediction using time-series satellite data. Environmental Modelling and Software, 2019, 120, 104502.	1.9	122
22	Spatiotemporal Changes in China's Terrestrial Water Storage From GRACE Satellites and Its Possible Drivers. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11976-11993.	1.2	44
23	Improving the North American multi-model ensemble (NMME) precipitation forecasts at local areas using wavelet and machine learning. Climate Dynamics, 2019, 53, 601-615.	1.7	42
24	Global drought trends under 1.5 and 2 Â°C warming. International Journal of Climatology, 2019, 39, 2375-2385.	1.5	100
25	A comparison of large-scale climate signals and the North American Multi-Model Ensemble (NMME) for drought prediction in China. Journal of Hydrology, 2018, 557, 378-390.	2.3	26
26	An evaluation of statistical, NMME and hybrid models for drought prediction in China. Journal of Hydrology, 2018, 566, 235-249.	2.3	65
27	Will China make a difference in its carbon intensity reduction targets by 2020 and 2030?. Applied Energy, 2017, 203, 874-882.	5.1	93
28	Environmental efficiency analysis of the Yangtze River Economic Zone using super efficiency data envelopment analysis (SEDEA) and tobit models. Energy, 2017, 134, 659-671.	4.5	108
29	Relationship between air quality and economic development in the provincial capital cities of China. Environmental Science and Pollution Research, 2017, 24, 2928-2935.	2.7	20