

Lei Xu

List of Publications by Year in descending order

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29
papers

1,217
citations

430442

18
h-index

476904

29
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29
all docs

29
docs citations

29
times ranked

1183
citing authors

#	ARTICLE	IF	CITATIONS
1	A spatiotemporal deep learning model for sea surface temperature field prediction using time-series satellite data. <i>Environmental Modelling and Software</i> , 2019, 120, 104502.	1.9	122
2	Environmental efficiency analysis of the Yangtze River Economic Zone using super efficiency data envelopment analysis (SEDEA) and tobit models. <i>Energy</i> , 2017, 134, 659-671.	4.5	108
3	Global drought trends under 1.5 and 2 °C warming. <i>International Journal of Climatology</i> , 2019, 39, 2375-2385.	1.5	100
4	Continental drought monitoring using satellite soil moisture, data assimilation and an integrated drought index. <i>Remote Sensing of Environment</i> , 2020, 250, 112028.	4.6	94
5	Will China make a difference in its carbon intensity reduction targets by 2020 and 2030?. <i>Applied Energy</i> , 2017, 203, 874-882.	5.1	93
6	In-situ and triple-collocation based evaluations of eight global root zone soil moisture products. <i>Remote Sensing of Environment</i> , 2021, 254, 112248.	4.6	77
7	Sub-regional groundwater storage recovery in North China Plain after the South-to-North water diversion project. <i>Journal of Hydrology</i> , 2021, 597, 126156.	2.3	70
8	An evaluation of statistical, NMME and hybrid models for drought prediction in China. <i>Journal of Hydrology</i> , 2018, 566, 235-249.	2.3	65
9	Improving Global Monthly and Daily Precipitation Estimation by Fusing Gauge Observations, Remote Sensing, and Reanalysis Data Sets. <i>Water Resources Research</i> , 2020, 56, e2019WR026444.	1.7	64
10	Spatiotemporal forecasting in earth system science: Methods, uncertainties, predictability and future directions. <i>Earth-Science Reviews</i> , 2021, 222, 103828.	4.0	46
11	Spatiotemporal Changes in China's Terrestrial Water Storage From GRACE Satellites and Its Possible Drivers. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11976-11993.	1.2	44
12	Improving the North American multi-model ensemble (NMME) precipitation forecasts at local areas using wavelet and machine learning. <i>Climate Dynamics</i> , 2019, 53, 601-615.	1.7	42
13	Drought propagation modification after the construction of the Three Gorges Dam in the Yangtze River Basin. <i>Journal of Hydrology</i> , 2021, 603, 127138.	2.3	39
14	A parametric multivariate drought index for drought monitoring and assessment under climate change. <i>Agricultural and Forest Meteorology</i> , 2021, 310, 108657.	1.9	34
15	A spatiotemporal deep learning model ST-LSTM-SA for hourly rainfall forecasting using radar echo images. <i>Journal of Hydrology</i> , 2022, 609, 127748.	2.3	27
16	A comparison of large-scale climate signals and the North American Multi-Model Ensemble (NMME) for drought prediction in China. <i>Journal of Hydrology</i> , 2018, 557, 378-390.	2.3	26
17	A data-driven multi-model ensemble for deterministic and probabilistic precipitation forecasting at seasonal scale. <i>Climate Dynamics</i> , 2020, 54, 3355-3374.	1.7	26
18	Relationship between air quality and economic development in the provincial capital cities of China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2928-2935.	2.7	20

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19	Using Multi-Temporal MODIS NDVI Data to Monitor Tea Status and Forecast Yield: A Case Study at Tanuyen, Laichau, Vietnam. <i>Remote Sensing</i> , 2020, 12, 1814.	1.8	19
20	Spatiotemporal characteristics and estimates of extreme precipitation in the <scp>Yangtze River Basin</scp> using <scp>GLDAS</scp> data. <i>International Journal of Climatology</i> , 2021, 41, E1812.	1.5	15
21	A Novel Fusion Method for Generating Surface Soil Moisture Data With High Accuracy, High Spatial Resolution, and High Spatioâ€™Temporal Continuity. <i>Water Resources Research</i> , 2022, 58, .	1.7	15
22	Assessing irrigation mitigating drought impacts on crop yields with an integrated modeling framework. <i>Journal of Hydrology</i> , 2022, 609, 127760.	2.3	14
23	Coarse-to-fine waterlogging probability assessment based on remote sensing image and social media data. <i>Geo-Spatial Information Science</i> , 2021, 24, 279-301.	2.4	12
24	NDVI Variation and Yield Prediction in Growing Season: A Case Study with Tea in Tanuyen Vietnam. <i>Atmosphere</i> , 2021, 12, 962.	1.0	11
25	Quantifying the uncertainty of precipitation forecasting using probabilistic deep learning. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 2923-2938.	1.9	10
26	Potential Precipitation Predictability Decreases Under Future Warming. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090798.	1.5	9
27	A Combined Optimizationâ€™Assimilation Framework to Enhance the Predictive Skill of Community Land Model. <i>Water Resources Research</i> , 2021, 57, e2021WR029879.	1.7	8
28	A Vehicle-Borne Mobile Mapping System Based Framework for Semantic Segmentation and Modeling on Overhead Catenary System Using Deep Learning. <i>Remote Sensing</i> , 2021, 13, 4939.	1.8	4
29	Forest classification using synthetic GF-1/WFV time series and phenological parameters. <i>Journal of Applied Remote Sensing</i> , 2021, 15, .	0.6	3