Yuanbo Liu

List of Publications by Year in descending order

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81	1,973	236612 25	276539 41
papers	citations	h-index	g-index

88	88	88	2076
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temperature contributes more than precipitation to the greening of the Tibetan Plateau during 1982â€“2019. Theoretical and Applied Climatology, 2022, 147, 1471-1488.	1.3	8
2	Soil moisture droughts in East Africa: Spatiotemporal patterns and climate drivers. Journal of Hydrology: Regional Studies, 2022, 40, 101013.	1.0	10
3	Intra-Annual Variability of Evapotranspiration in Response to Climate and Vegetation Change across the Poyang Lake Basin, China. Remote Sensing, 2022, 14, 885.	1.8	2
4	Shifting from homogeneous to heterogeneous surfaces in estimating terrestrial evapotranspiration: Review and perspectives. Science China Earth Sciences, 2022, 65, 197-214.	2.3	29
5	Satellite-Based Surface Water Storage Estimation: Its history, current status, and future prospects. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 10-31.	4.9	3
6	Soil Salinity Dynamics Impairs Radiometer-Based Soil Moisture Retrieval Over Global Cropland. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9.	2.7	3
7	Investigating multiple causes of time-varying SMAP soil moisture biases based on core validation sites data. Journal of Hydrology, 2022, 612, 128151.	2.3	3
8	Assessing the performance of the Tiangong-2 wide-swath imaging altimeter observations for water level monitoring over complex and shallow lakes. Journal of Hydrology, 2022, 612, 128164.	2.3	4
9	Understanding interactions among climate, water, and vegetation with the Budyko framework. Earth-Science Reviews, 2021, 212, 103451.	4.0	81
10	Propagation of soil moisture droughts in a hotspot region: Spatial pattern and temporal trajectory. Journal of Hydrology, 2021, 593, 125906.	2.3	25
11	Investigation of a non-linear complementary relationship model for monthly evapotranspiration estimation at global flux sites. Journal of Hydrometeorology, 2021, , .	0.7	2
12	Radiative and Aerodynamic Contribution to Evaporation: Eddyâ€Covariance Comparison Between a Plain and a Plateau Lake. Earth and Space Science, 2021, 8, e2021EA001913.	1.1	6
13	Estimating the Gross Primary Production and Evapotranspiration of Rice Paddy Fields in the Sub-Tropical Region of China Using a Remotely-Sensed Based Water-Carbon Coupled Model. Remote Sensing, 2021, 13, 3470.	1.8	8
14	Inferring transpiration from evapotranspiration: A transpiration indicator using the Priestley-Taylor coefficient of wet environment. Ecological Indicators, 2020, 110, 105853.	2.6	13
15	Identifying spatial extent of meteorological droughts: An examination over a humid region. Journal of Hydrology, 2020, 591, 125505.	2.3	13
16	Heat Storage Effect on Evaporation Estimates of China's Largest Freshwater Lake. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032334.	1.2	13
17	Evaluation of satellite-retrieved evapotranspiration based on a nonparametric approach over an arid region. International Journal of Remote Sensing, 2020, 41, 7605-7623.	1.3	8
18	SMAP underestimates soil moisture in vegetation-disturbed areas primarily as a result of biased surface temperature data. Remote Sensing of Environment, 2020, 247, 111914.	4.6	22

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19	Recent declines in global water vapor from MODIS products: Artifact or real trend?. Remote Sensing of Environment, 2020, 247, 111896.	4.6	11
20	Hysteresis Behavior of Surface Water Fluxes in a Hydrologic Transition of an Ephemeral Lake. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032364.	1.2	13
21	Meteorological Drought Migration in the Poyang Lake Basin, China: Switching among Different Climate Modes. Journal of Hydrometeorology, 2020, 21, 415-431.	0.7	9
22	Compositing the Minimum NDVI for Daily Water Surface Mapping. Remote Sensing, 2020, 12, 700.	1.8	14
23	Assessing water storage changes of Lake Poyang from multi-mission satellite data and hydrological models. Journal of Hydrology, 2020, 590, 125229.	2.3	27
24	A Comparison Study of Precipitation in the Poyang and the Dongting Lake Basins from 1960â€“2015. Scientific Reports, 2020, 10, 3381.	1.6	16
25	Seasonal and Diurnal Variations in the Priestleyâ€“Taylor Coefficient for a Large Ephemeral Lake. Water (Switzerland), 2020, 12, 849.	1.2	10
26	A View from Space on Poyang Lake: What We Can Already See and What It Means. , 2020, , 79-97.		0
27	Testing the Symmetric Assumption of Complementary Relationship: A Comparison between the Linear and Nonlinear Advection-Aridity Models in a Large Ephemeral Lake. Water (Switzerland), 2019, 11, 1574.	1.2	4
28	An Approach to Tracking Meteorological Drought Migration. Water Resources Research, 2019, 55, 3266-3284.	1.7	40
29	Inter-comparison of satellite-retrieved and Global Land Data Assimilation System-simulated soil moisture datasets for global drought analysis. Remote Sensing of Environment, 2019, 220, 1-18.	4.6	93
30	Intercalibrating the MODIS and AVHRR Visible Bands Over Homogeneous Land Surfaces. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 83-87.	1.4	3
31	MODIS detection of vegetation changes and investigation of causal factors in Poyang Lake basin, China for 2001â€“2015. Ecological Indicators, 2018, 91, 511-522.	2.6	22
32	Spatioâ€temporal pattern of meteorological droughts and its possible linkage with climate variability. International Journal of Climatology, 2018, 38, 2082-2096.	1.5	28
33	Variability of Surface Heat Fluxes and Its Driving Forces at Different Time Scales Over a Large Ephemeral Lake in China. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4939-4957.	1.2	30
34	Multisensor Normalized Difference Vegetation Index Intercalibration: A Comprehensive Overview of the Causes of and Solutions for Multisensor Differences. IEEE Geoscience and Remote Sensing Magazine, 2018, 6, 23-45.	4.9	21
35	ESA CCI Soil Moisture Assimilation in SWAT for Improved Hydrological Simulation in Upper Huai River Basin. Advances in Meteorology, 2018, 2018, 1-13.	0.6	11
36	Precipitation downscaling using a probability-matching approach and geostationary infrared data: an evaluation over six climate regions. Hydrology and Earth System Sciences, 2018, 22, 3685-3699.	1.9	9

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37	Contrast Effects of Vegetation Cover Change on Evapotranspiration during a Revegetation Period in the Poyang Lake Basin, China. Forests, 2018, 9, 217.	0.9	23
38	Using a MODIS Index to Quantify MODIS-AVHRRs Spectral Differences in the Visible Band. Remote Sensing, 2018, 10, 61.	1.8	4
39	A comparison of NDVI intercalibration methods. International Journal of Remote Sensing, 2017, 38, 5273-5290.	1.3	19
40	Estimation of Evapotranspiration Using a Nonparametric Approach Under All Sky: Accuracy Evaluation and Error Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2528-2539.	2.3	11
41	A Generalized Model for Intersensor NDVI Calibration and Its Comparison With Regression Approaches. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1842-1852.	2.7	22
42	Phase transition of surface energy exchange in Chinaâ€™s largest freshwater lake. Agricultural and Forest Meteorology, 2017, 244-245, 98-110.	1.9	28
43	Two energy balance closure approaches: applications and comparisons over an oasis-desert ecotone. Journal of Arid Land, 2017, 9, 51-64.	0.9	28
44	Assessment of the Hydro-Ecological Impacts of the Three Gorges Dam on Chinaâ€™s Largest Freshwater Lake. Remote Sensing, 2017, 9, 1069.	1.8	26
45	Seasonal Water Exchanges between Chinaâ€™s Poyang Lake and Its Saucer-Shaped Depressions on River Deltas. Water (Switzerland), 2017, 9, 884.	1.2	15
46	Hydroclimatological influences on recently increased droughts in China's largest freshwater lake. Hydrology and Earth System Sciences, 2016, 20, 93-107.	1.9	41
47	Evapotranspiration Partitioning and Response to Abnormally Low Water Levels in a Floodplain Wetland in China. Advances in Meteorology, 2016, 2016, 1-11.	0.6	3
48	SPI Based Meteorological Drought Assessment over a Humid Basin: Effects of Processing Schemes. Water (Switzerland), 2016, 8, 373.	1.2	25
49	Mapping Dynamics of Inundation Patterns of Two Largest River-Connected Lakes in China: A Comparative Study. Remote Sensing, 2016, 8, 560.	1.8	23
50	Exploiting TERRA-AQUA MODIS Relationship in the Reflective Solar Bands for Aerosol Retrieval. Remote Sensing, 2016, 8, 996.	1.8	1
51	Evaluation of Satellite Precipitation Products with Rain Gauge Data at Different Scales: Implications for Hydrological Applications. Water (Switzerland), 2016, 8, 281.	1.2	40
52	Changing landscapes by damming: the Three Gorges Dam causes downstream lake shrinkage and severe droughts. Landscape Ecology, 2016, 31, 1883-1890.	1.9	51
53	A global study of NDVI difference among moderate-resolution satellite sensors. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 121, 177-191.	4.9	57
54	Combining Multispectral Imagery with in situ Topographic Data Reveals Complex Water Level Variation in Chinaâ€™s Largest Freshwater Lake. Remote Sensing, 2015, 7, 13466-13484.	1.8	18

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55	Soil Salinity Retrieval from Advanced Multi-Spectral Sensor with Partial Least Square Regression. Remote Sensing, 2015, 7, 488-511.	1.8	86
56	Comparative Assessment of Satellite-Retrieved Surface Net Radiation: An Examination on CERES and SRB Datasets in China. Remote Sensing, 2015, 7, 4899-4918.	1.8	29
57	Temporal Variability of Uncertainty in Pixel-Wise Soil Moisture: Implications for Satellite Validation. Remote Sensing, 2015, 7, 5398-5415.	1.8	10
58	Downscaling Surface Water Inundation from Coarse Data to Fine-Scale Resolution: Methodology and Accuracy Assessment. Remote Sensing, 2015, 7, 15989-16003.	1.8	18
59	Capturing variations in inundation with satellite remote sensing in a morphologically complex, large lake. Journal of Hydrology, 2015, 523, 14-23.	2.3	60
60	Combined effects of precipitation and air temperature on soil moisture in different land covers in a humid basin. Journal of Hydrology, 2015, 531, 1129-1140.	2.3	65
61	Lake Fluctuation Effectively Regulates Wetland Evapotranspiration: A Case Study of the Largest Freshwater Lake in China. Water (Switzerland), 2014, 6, 2482-2500.	1.2	9
62	Relative Contribution of the Topographic Influence on the Triangle Approach for Evapotranspiration Estimation over Mountainous Areas. Advances in Meteorology, 2014, 2014, 1-16.	0.6	12
63	Trajectory based detection of forest-change impacts on surface soil moisture at a basin scale [Poyang Lake Basin, China]. Journal of Hydrology, 2014, 514, 337-346.	2.3	24
64	Quantifying the Relationship Between Intersensor Images in Solar Reflective Bands: Implications for Intercalibration. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 7727-7737.	2.7	15
65	Satellite-based detection of water surface variation in Chinaâ€™s largest freshwater lake in response to hydro-climatic drought. International Journal of Remote Sensing, 2014, 35, 4544-4558.	1.3	43
66	Recent declines in Chinaâ€™s largest freshwater lake: trend or regime shift?. Environmental Research Letters, 2013, 8, 014010.	2.2	158
67	How representative are instantaneous evaporative fraction measurements of daytime fluxes?. Hydrology and Earth System Sciences, 2013, 17, 3913-3919.	1.9	32
68	A direct algorithm for estimating daily regional Evapotranspiration from modis TOA radiances. , 2012, , .		1
69	A physical explanation of the variation in threshold for delineating terrestrial water surfaces from multi-temporal images: effects of radiometric correction. International Journal of Remote Sensing, 2012, 33, 5862-5875.	1.3	38
70	Mapping lake topography using high-resolution ALOS PRISM data. , 2012, , .		0
71	A nonparametric approach to estimating terrestrial evaporation: Validation in eddy covariance sites. Agricultural and Forest Meteorology, 2012, 157, 49-59.	1.9	31
72	Accuracy Assessment of Global Satellite Mapping of Precipitation (GSMaP) Product over Poyang Lake Basin, China. Procedia Environmental Sciences, 2011, 10, 2265-2271.	1.3	23

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73	Quantifying variability of satellite data in the reflective band for long-term monitoring of the Earth's surface: inference from a multi-temporal relationship between remotely sensed pixels. International Journal of Remote Sensing, 2011, 32, 7717-7730.	1.3	4
74	A Comparison of Flux Variance and Surface Renewal Methods With Eddy Covariance. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 345-350.	2.3	15
75	Temporal Influences on Thresholding for Satellite Retrieval of Water Surface Areas: A Case in the Poyang Lake, China. , 2010, , .		1
76	Discrepancy Between ASTER- and MODIS- Derived Land Surface Temperatures: Terrain Effects. Sensors, 2009, 9, 1054-1066.	2.1	14
77	Detectability of dayâ€toâ€day variability in the evaporative flux ratio: A field examination in the Loess Plateau of China. Water Resources Research, 2007, 43, .	1.7	9
78	Reducing the Discrepancy Between ASTER and MODIS Land Surface Temperature Products. Sensors, 2007, 7, 3043-3057.	2.1	30
79	Scaling of land surface temperature using satellite data: A case examination on ASTER and MODIS products over a heterogeneous terrain area. Remote Sensing of Environment, 2006, 105, 115-128.	4.6	186
80	Heat Balance and Soil Water Content for Bare Soil Surfaces in the Loess Plateau, China. J Agricultural Meteorology, 2005, 60, 1013-1016.	0.8	0
81	QUANTIFYING THE CONTRIBUTIONS OF ENVIRONMENTAL PARAMETERS TO CERES SURFACE NET RADIATION ERROR IN CHINA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3, 1339-1345.	0.2	0