

Jian-Zhong Lu

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

752
citations

516561

16
h-index

580701

25
g-index

53
all docs

53
docs citations

53
times ranked

603
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of long and short-term flood risk using the multi-criteria analysis model with the AHP-Entropy method in Poyang Lake basin. <i>International Journal of Disaster Risk Reduction</i> , 2022, 75, 102968.	1.8	63
2	Water age prediction and its potential impacts on water quality using a hydrodynamic model for Poyang Lake, China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13327-13341.	2.7	55
3	Using a hierarchical model framework to assess climate change and hydropower operation impacts on the habitat of an imperiled fish in the Jinsha River, China. <i>Science of the Total Environment</i> , 2019, 646, 1624-1638.	3.9	40
4	Coupling remote sensing retrieval with numerical simulation for SPM study—Taking Bohai Sea in China as a case. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2010, 12, S203-S211.	1.4	37
5	An investigation of the hydrological influence on the distribution and transition of wetland cover in a complex lake—floodplain system using time-series remote sensing and hydrodynamic simulation. <i>Journal of Hydrology</i> , 2020, 587, 125038.	2.3	32
6	Assessing effective hydrological connectivity for floodplains with a framework integrating habitat suitability and sediment suspension behavior. <i>Water Research</i> , 2021, 201, 117253.	5.3	32
7	Stream flow simulation and verification in ungauged zones by coupling hydrological and hydrodynamic models: a case study of the Poyang Lake ungauged zone. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 5847-5861.	1.9	31
8	A novel comprehensive agricultural drought index reflecting time lag of soil moisture to meteorology: A case study in the Yangtze River basin, China. <i>Catena</i> , 2022, 209, 105804.	2.2	31
9	Remote-sensing monitoring for spatio-temporal dynamics of sand dredging activities at Poyang Lake in China. <i>International Journal of Remote Sensing</i> , 2014, 35, 6004-6022.	1.3	30
10	Hydrodynamic and Inundation Modeling of China's Largest Freshwater Lake Aided by Remote Sensing Data. <i>Remote Sensing</i> , 2015, 7, 4858-4879.	1.8	30
11	Operational Monitoring and Damage Assessment of Riverine Flood-2014 in the Lower Chenab Plain, Punjab, Pakistan, Using Remote Sensing and GIS Techniques. <i>Remote Sensing</i> , 2020, 12, 714.	1.8	30
12	Flood susceptibility mapping in an arid region of Pakistan through ensemble machine learning model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 3041-3061.	1.9	24
13	Impacts of agricultural topdressing practices on cyanobacterial bloom phenology in an early eutrophic plateau Lake, China. <i>Journal of Hydrology</i> , 2021, 594, 125952.	2.3	19
14	Increased Vegetation Greenness Aggravates Water Conflicts during Lasting and Intensifying Drought in the Poyang Lake Watershed, China. <i>Forests</i> , 2018, 9, 24.	0.9	18
15	Water balance assessment of an ungauged area in Poyang Lake watershed using a spatially distributed runoff coefficient model. <i>Journal of Hydroinformatics</i> , 2018, 20, 1009-1024.	1.1	18
16	ASSESSING THE CLIMATE FORECAST SYSTEM REANALYSIS WEATHER DATA DRIVEN HYDROLOGICAL MODEL FOR THE YANGTZE RIVER BASIN IN CHINA. <i>Applied Ecology and Environmental Research</i> , 2019, 17, 3615-3632.	0.2	18
17	Changes in the soil erosion status in the middle and lower reaches of the Yangtze River basin from 2001 to 2014 and the impacts of erosion on the water quality of lakes and reservoirs. <i>International Journal of Remote Sensing</i> , 2020, 41, 3175-3196.	1.3	17
18	Precipitation projections using a spatiotemporally distributed method: a case study in the Poyang Lake watershed based on the MRI-CGCM3. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 1649-1666.	1.9	16

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19	Atmospheric correction of HJ-1A/B CCD images over Chinese coastal waters using MODIS-Terra aerosol data. <i>Science China Technological Sciences</i> , 2010, 53, 191-195.	2.0	15
20	THE RIVERINE FLOOD CATASTROPHE IN AUGUST 2010 IN SOUTH PUNJAB, PAKISTAN: POTENTIAL CAUSES, EXTENT AND DAMAGE ASSESSMENT. <i>Applied Ecology and Environmental Research</i> , 2019, 17, .	0.2	15
21	Improving Sediment Transport Prediction by Assimilating Satellite Images in a Tidal Bay Model of Hong Kong. <i>Water (Switzerland)</i> , 2014, 6, 642-660.	1.2	14
22	Assessment of Landsat atmospheric correction methods for water color applications using global AERONET-OC data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 93, 102192.	1.4	14
23	Full Lifecycle Monitoring on Drought-Converted Catastrophic Flood Using Sentinel-1 SAR: A Case Study of Poyang Lake Region during Summer 2020. <i>Remote Sensing</i> , 2021, 13, 3485.	1.8	14
24	Agricultural non-point sources and their effects on chlorophyll-a in a eutrophic lake over three decades (1985â€“2020). <i>Environmental Science and Pollution Research</i> , 2022, 29, 46634-46648.	2.7	14
25	Assimilation of remote sensing observations into a sediment transport model of Chinaâ€™s largest freshwater lake: spatial and temporal effects. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18779-18792.	2.7	13
26	Numerical Study of Remote Sensed Dredging Impacts on the Suspended Sediment Transport in Chinaâ€™s Largest Freshwater Lake. <i>Water (Switzerland)</i> , 2019, 11, 2449.	1.2	12
27	Assessment of CFSR and CMADS Weather Data for Capturing Extreme Hydrologic Events in the Fuhe River Basin of the Poyang Lake. <i>Journal of the American Water Resources Association</i> , 2020, 56, 917-934.	1.0	11
28	Numerical simulation-aided MODIS capture of sediment transport for the Bohai Sea in China. <i>International Journal of Remote Sensing</i> , 2014, 35, 4225-4238.	1.3	9
29	Projection of Reference Crop Evapotranspiration under Future Climate Change in Poyang Lake Watershed, China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021, 26, .	0.8	8
30	Predicting Tropical Monsoon Hydrology Using CFSR and CMADS Data over the Cau River Basin in Vietnam. <i>Water (Switzerland)</i> , 2021, 13, 1314.	1.2	8
31	Atmospheric correction of ocean color imagery over turbid coastal waters using active and passive remote sensing. <i>Chinese Journal of Oceanology and Limnology</i> , 2009, 27, 124-128.	0.7	7
32	Riverine flood mapping and impact assessment using remote sensing technique: a case study of Chenab flood-2014 in Multan district, Punjab, Pakistan. <i>Natural Hazards</i> , 0, , 1.	1.6	6
33	NUMERICAL SIMULATION OF HYDROLOGICAL AND HYDRODYNAMIC RESPONSES TO CHANNEL EROSION IN CHINAâ€™S LARGEST FRESHWATER LAKE. <i>Applied Ecology and Environmental Research</i> , 2019, 17, .	0.2	6
34	Evaluation of hydrological response to extreme climate variability using SWAT model: application to the Fuhe basin of Poyang Lake watershed, China. <i>Hydrology Research</i> , 2017, 48, 1730-1744.	1.1	5
35	Numerical simulation of suspended sediment concentration in Lake Poyang during flood season considering dredging activities. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2016, 28, 421-431.	0.3	5
36	Rapid riverine flood mapping with different water indexes using flood instances Landsat-8 images. , 0, , .		5

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37	A New Algorithm for Monitoring Backflow from River to Lake (BRL) Using Satellite Images: A Case of Poyang Lake, China. <i>Water (Switzerland)</i> , 2021, 13, 1166.	1.2	4
38	Evaluation of spatiotemporal differences in suspended sediment concentration derived from remote sensing and numerical simulation for coastal waters. <i>Journal of Coastal Conservation</i> , 2017, 21, 197-207.	0.7	3
39	Prediction and trend of future reference crop evapotranspiration in the Poyang Lake Basin based on CMIP5 Models. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2019, 31, 1685-1697.	0.3	3
40	Understanding the River-Lake Relationship after the Operation of TGR based on SWAT Model. <i>Journal of Coastal Research</i> , 2020, 104, .	0.1	3
41	Flow prediction using ENVISAT RA-2 sea surface height validated model: A case study for the effect of Hong Kong-Zhuhai-Macau Bridge in the Pearl River Estuary, China. <i>Aquatic Ecosystem Health and Management</i> , 2014, 17, 305-315.	0.3	2
42	Development of dynamic three-dimensional coastal information system: a case study in Hong Kong. <i>Journal of Hydroinformatics</i> , 2012, 14, 815-828.	1.1	1
43	Geomatics-based water capacity monitoring for Quake Lake and its web service implementation. <i>Desalination and Water Treatment</i> , 2014, 52, 2700-2708.	1.0	1
44	Numerical modeling of cohesive sediment transport in a tidal bay with current velocity assimilation. <i>Journal of Oceanography</i> , 2014, 70, 505-519.	0.7	1
45	Validation of hydrodynamic model by remote sensing data for China's largest freshwater lake. , 2015, , .		1
46	Landscape Pattern Effects on Surface Runoff: Assessment Using a Hydrologic Model in the Fuhe Basin of Poyang Lake Watershed. , 2020, 7, .		1
47	Spatial Data Management and Analysis System for Flood Hazard Mitigation of Poyang Lake Watershed, China. <i>Annals of GIS</i> , 2007, 13, 10-17.	1.4	0
48	An fast integrated searching strategy and application in multi-source massive image database for Disaster Mitigation and Relief. , 2007, , .		0
49	A bitmap index technology adapt to original TM/ETM+ image database. , 2009, , .		0