

List of Publications by Year in descending order

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61
papers

3,086
citations

147726

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all docs

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docs citations

61
times ranked

2610
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and analysis of lake water storage changes on the Tibetan Plateau using multi-mission satellite data. <i>Remote Sensing of Environment</i> , 2013, 135, 25-35.	4.6	305
2	Recent global decline in endorheic basin water storages. <i>Nature Geoscience</i> , 2018, 11, 926-932.	5.4	282
3	A regional-scale assessment of Himalayan glacial lake changes using satellite observations from 1990 to 2015. <i>Remote Sensing of Environment</i> , 2017, 189, 1-13.	4.6	240
4	Accelerated lake expansion on the Tibetan Plateau in the 2000s: Induced by glacial melting or other processes?. <i>Water Resources Research</i> , 2014, 50, 3170-3186.	1.7	206
5	Representative lake water extent mapping at continental scales using multi-temporal Landsat-8 imagery. <i>Remote Sensing of Environment</i> , 2016, 185, 129-141.	4.6	175
6	Remote sensing of alpine lake water environment changes on the Tibetan Plateau and surroundings: A review. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014, 92, 26-37.	4.9	130
7	Seasonal and abrupt changes in the water level of closed lakes on the Tibetan Plateau and implications for climate impacts. <i>Journal of Hydrology</i> , 2014, 514, 131-144.	2.3	94
8	Glacial lake evolution in the southeastern Tibetan Plateau and the cause of rapid expansion of proglacial lakes linked to glacial-hydrogeomorphic processes. <i>Journal of Hydrology</i> , 2016, 540, 504-514.	2.3	80
9	Heterogeneous glacial lake changes and links of lake expansions to the rapid thinning of adjacent glacier termini in the Himalayas. <i>Geomorphology</i> , 2017, 280, 30-38.	1.1	80
10	Glacier changes on the Tibetan Plateau derived from Landsat imagery: mid-1970s to 2000. <i>Journal of Glaciology</i> , 2017, 63, 273-287.	1.1	76
11	Global open-access DEM performances in Earth's most rugged region High Mountain Asia: A multi-level assessment. <i>Geomorphology</i> , 2019, 338, 16-26.	1.1	65
12	Long-term surface water changes and driving cause in Xiong'an, China: from dense Landsat time series images and synthetic analysis. <i>Science Bulletin</i> , 2018, 63, 708-716.	4.3	62
13	Heterogeneous changes of glaciers over the western Kunlun Mountains based on ICESat and Landsat-8 derived glacier inventory. <i>Remote Sensing of Environment</i> , 2015, 168, 13-23.	4.6	60
14	Contrasting evolution patterns between glacier-fed and non-glacier-fed lakes in the Tanggula Mountains and climate cause analysis. <i>Climatic Change</i> , 2016, 135, 493-507.	1.7	60
15	A Global Assessment of Terrestrial Evapotranspiration Increase Due to Surface Water Area Change. <i>Earth's Future</i> , 2019, 7, 266-282.	2.4	60
16	Recent Changes in Land Water Storage and its Contribution to Sea Level Variations. <i>Surveys in Geophysics</i> , 2017, 38, 131-152.	2.1	59
17	GeoDAR: georeferenced global dams and reservoirs dataset for bridging attributes and geolocations. <i>Earth System Science Data</i> , 2022, 14, 1869-1899.	3.7	58
18	Shifts in water-level variation of Namco in the central Tibetan Plateau from ICESat and CryoSat-2 altimetry and station observations. <i>Science Bulletin</i> , 2015, 60, 1287-1297.	4.3	56

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19	Can mountain glacier melting explains the GRACE-observed mass loss in the southeast Tibetan Plateau: From a climate perspective?. <i>Global and Planetary Change</i> , 2015, 124, 1-9.	1.6	56
20	Combined ICESat and CryoSat-2 Altimetry for Accessing Water Level Dynamics of Tibetan Lakes over 2003â€”2014. <i>Water (Switzerland)</i> , 2015, 7, 4685-4700.	1.2	50
21	Interâ€”annual changes of alpine inland lake water storage on the Tibetan Plateau: Detection and analysis by integrating satellite altimetry and optical imagery. <i>Hydrological Processes</i> , 2014, 28, 2411-2418.	1.1	49
22	Reconstruction of Time-Series MODIS LST in Central Qinghai-Tibet Plateau Using Geostatistical Approach. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013, 10, 1602-1606.	1.4	47
23	Recent dynamics of alpine lakes on the endorheic Changtang Plateau from multi-mission satellite data. <i>Journal of Hydrology</i> , 2017, 552, 633-645.	2.3	47
24	Chinaâ€™s inland water dynamics: The significance of water body types. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13876-13878.	3.3	42
25	Heterogeneous change patterns of water level for inland lakes in High Mountain Asia derived from multiâ€”mission satellite altimetry. <i>Hydrological Processes</i> , 2015, 29, 2769-2781.	1.1	41
26	Estimating seasonal water budgets in global lakes by using multi-source remote sensing measurements. <i>Journal of Hydrology</i> , 2021, 593, 125781.	2.3	37
27	Centuryâ€”Scale Reconstruction of Water Storage Changes of the Largest Lake in the Inner Mongolia Plateau Using a Machine Learning Approach. <i>Water Resources Research</i> , 2021, 57, e2020WR028831.	1.7	37
28	Which heterogeneous glacier melting patterns can be robustly observed from space? A multi-scale assessment in southeastern Tibetan Plateau. <i>Remote Sensing of Environment</i> , 2020, 242, 111777.	4.6	36
29	What drives the rapid water-level recovery of the largest lake (Qinghai Lake) of China over the past half century?. <i>Journal of Hydrology</i> , 2021, 593, 125921.	2.3	36
30	Refined estimation of lake water level and storage changes on the Tibetan Plateau from ICESat/ICESat-2. <i>Catena</i> , 2021, 200, 105177.	2.2	36
31	Large-scale mapping of gully-affected areas: An approach integrating Google Earth images and terrain skeleton information. <i>Geomorphology</i> , 2018, 314, 13-26.	1.1	32
32	Impact of amplified evaporation due to lake expansion on the water budget across the inner Tibetan Plateau. <i>International Journal of Climatology</i> , 2020, 40, 2091-2105.	1.5	24
33	Precipitation variability in High Mountain Asia from multiple datasets and implication for water balance analysis in large lake basins. <i>Global and Planetary Change</i> , 2016, 145, 20-29.	1.6	23
34	Remote Sensingâ€”Based Modeling of the Bathymetry and Water Storage for Channelâ€”Type Reservoirs Worldwide. <i>Water Resources Research</i> , 2020, 56, e2020WR027147.	1.7	23
35	Remote sensing estimation of catchment-scale reservoir water impoundment in the upper Yellow River and implications for river discharge alteration. <i>Journal of Hydrology</i> , 2020, 585, 124791.	2.3	23
36	Divergent Causes of Terrestrial Water Storage Decline Between Drylands and Humid Regions Globally. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	23

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37	Automatic watershed delineation in the Tibetan endorheic basin: A lake-oriented approach based on digital elevation models. <i>Geomorphology</i> , 2020, 358, 107127.	1.1	22
38	Satellite Laser Altimetry Reveals a Net Water Mass Gain in Global Lakes With Spatial Heterogeneity in the Early 21st Century. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	22
39	Constraining the contribution of glacier mass balance to the Tibetan lake growth in the early 21st century. <i>Remote Sensing of Environment</i> , 2022, 268, 112779.	4.6	21
40	Ongoing Drainage Reorganization Driven by Rapid Lake Growths on the Tibetan Plateau. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095795.	1.5	21
41	Remote sensing estimation of the flood storage capacity of basin-scale lakes and reservoirs at high spatial and temporal resolutions. <i>Science of the Total Environment</i> , 2022, 807, 150772.	3.9	19
42	Water Residence Time and Temperature Drive the Dynamics of Dissolved Organic Matter in Alpine Lakes in the Tibetan Plateau. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006908.	1.9	18
43	Monitoring global reservoirs using ICESat-2: Assessment on spatial coverage and application potential. <i>Journal of Hydrology</i> , 2022, 604, 127257.	2.3	16
44	Satellite and UAV-based remote sensing for assessing the flooding risk from Tibetan lake expansion and optimizing the village relocation site. <i>Science of the Total Environment</i> , 2022, 802, 149928.	3.9	14
45	Modeling lake bathymetry and water storage from DEM data constrained by limited underwater surveys. <i>Journal of Hydrology</i> , 2022, 604, 127260.	2.3	14
46	Recent Dramatic Variations of China's Two Largest Freshwater Lakes: Natural Process or Influenced by the Three Gorges Dam?. <i>Environmental Science & Technology</i> , 2014, 48, 2086-2087.	4.6	13
47	Decadal Lake Volume Changes (2003–2020) and Driving Forces at a Global Scale. <i>Remote Sensing</i> , 2022, 14, 1032.	1.8	13
48	An Effective Low-Cost Remote Sensing Approach to Reconstruct the Long-Term and Dense Time Series of Area and Storage Variations for Large Lakes. <i>Sensors</i> , 2019, 19, 4247.	2.1	12
49	Recent Abnormal Hydrologic Behavior of Tibetan Lakes Observed by Multi-Mission Altimeters. <i>Remote Sensing</i> , 2020, 12, 2986.	1.8	12
50	Identifying Emerging Reservoirs along Regulated Rivers Using Multi-Source Remote Sensing Observations. <i>Remote Sensing</i> , 2019, 11, 25.	1.8	11
51	Investigating different timescales of terrestrial water storage changes in the northeastern Tibetan Plateau. <i>Journal of Hydrology</i> , 2022, 608, 127608.	2.3	9
52	Centenary covariations of water salinity and storage of the largest lake of Northwest China reconstructed by machine learning. <i>Journal of Hydrology</i> , 2022, 612, 128095.	2.3	8
53	Regional assessment of the potential risks of rapid lake expansion impacting on the Tibetan human living environment. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	7
54	Large-Scale Detection of the Tableland Areas and Erosion-Vulnerable Hotspots on the Chinese Loess Plateau. <i>Remote Sensing</i> , 2022, 14, 1946.	1.8	7

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55	Water depth and transparency drive the quantity and quality of organic matter in sediments of Alpine Lakes on the Tibetan Plateau. <i>Limnology and Oceanography</i> , 2022, 67, 1959-1975.	1.6	6
56	Lake Level Reconstructed From DEM-Based Virtual Station: Comparison of Multisource DEMs With Laser Altimetry and UAV-LiDAR Measurements. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	1.4	3
57	Refining and densifying the water inundation area and storage estimates of Poyang Lake by integrating Sentinel-1/2 and bathymetry data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 105, 102601.	1.4	3
58	Remote Sensing Investigation of the Offset Effect between Reservoir Impoundment and Glacier Meltwater Supply in Tibetan Highland Catchment. <i>Water (Switzerland)</i> , 2021, 13, 1307.	1.2	2
59	Remote sensing reconstruction of long-term water level and storage variations of a poorly-gauged river in the Tibetan Plateau. <i>Journal of Hydrology: Regional Studies</i> , 2022, 40, 101020.	1.0	2
60	Seasonal Amplitude of Water Storage Variations of the Yangtze-Huai Plain Lake Group: Implication for Floodwater Storage Capacity. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	1
61	A Low-Cost Approach for Lake Volume Estimation on the Tibetan Plateau: Coupling the Lake Hypsometric Curve and Bottom Elevation. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	0