

Global WaterPack â€™ A 250 m resolution dataset reveals inland water bodies

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Big Data and Multiple Methods for Mapping Small Reservoirs: Comparing Accuracies for Applications in Agricultural Landscapes. <i>Remote Sensing</i> , 2017, 9, 1307.	1.8	22
2	Addressing spatio-temporal resolution constraints in Landsat and MODIS-based mapping of large-scale floodplain inundation dynamics. <i>Remote Sensing of Environment</i> , 2018, 211, 307-320.	4.6	34
3	Construction of the 500m Resolution Daily Global Surface Water Change Database (2001-2016). <i>Water Resources Research</i> , 2018, 54, 10,270.	1.7	69
4	Trophic state assessment of global inland waters using a MODIS-derived Forel-Ule index. <i>Remote Sensing of Environment</i> , 2018, 217, 444-460.	4.6	195
5	Quantification of surface water volume changes in the Mackenzie Delta using satellite multi-mission data. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1543-1561.	1.9	31
6	TerraSAR-X and Wetlands: A Review. <i>Remote Sensing</i> , 2018, 10, 916.	1.8	30
7	Is It Possible to Distinguish Global and Regional Climate Change from Urban Land Cover Induced Signals? A Mid-Latitude City Example. <i>Urban Science</i> , 2018, 2, 12.	1.1	16
8	Automatic Correction of Contaminated Images for Assessment of Reservoir Surface Area Dynamics. <i>Geophysical Research Letters</i> , 2018, 45, 6092-6099.	1.5	79
9	How war, drought, and dam management impact water supply in the Tigris and Euphrates Rivers. <i>Ambio</i> , 2019, 48, 264-279.	2.8	21
10	Constructing long-term high-frequency time series of global lake and reservoir areas using Landsat imagery. <i>Remote Sensing of Environment</i> , 2019, 232, 111210.	4.6	102
11	Towards Global Hydrological Drought Monitoring Using Remotely Sensed Reservoir Surface Area. <i>Geophysical Research Letters</i> , 2019, 46, 13027-13035.	1.5	16
12	Continuous Dynamics Monitoring of Multi-Lake Water Extent Using a Spatial and Temporal Adaptive Fusion Method Based on Two Sets of MODIS Products. <i>Sensors</i> , 2019, 19, 4873.	2.1	2
13	A new dense 18-year time series of surface water fraction estimates from MODIS for the Mediterranean region. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 3037-3056.	1.9	21
14	Surface water connectivity of seasonal isolated lakes in a dynamic lake-floodplain system. <i>Journal of Hydrology</i> , 2019, 579, 124154.	2.3	27
15	Automated Extraction of Consistent Time-Variable Water Surfaces of Lakes and Reservoirs Based on Landsat and Sentinel-2. <i>Remote Sensing</i> , 2019, 11, 1010.	1.8	60
16	Mapping inundation dynamics in a heterogeneous floodplain: Insights from integrating observations and modeling approach. <i>Journal of Hydrology</i> , 2019, 572, 148-159.	2.3	24
17	Two Dimensional Model for Backwater Geomorphology: Darby Creek, PA. <i>Water (Switzerland)</i> , 2019, 11, 2204.	1.2	8
18	Influence of Surface Water Bodies on the Land Surface Temperature of Bangladesh. <i>Sustainability</i> , 2019, 11, 6754.	1.6	18

#	ARTICLE	IF	CITATIONS
19	Validation of Earth Observation Time-Series: A Review for Large-Area and Temporally Dense Land Surface Products. <i>Remote Sensing</i> , 2019, 11, 2616.	1.8	25
20	A Review of Earth Observation-Based Analyses for Major River Basins. <i>Remote Sensing</i> , 2019, 11, 2951.	1.8	17
21	Remote sensing of large reservoir in the drought years: Implications on surface water change and turbidity variability of Sobradinho reservoir (Northeast Brazil). <i>Remote Sensing Applications: Society and Environment</i> , 2019, 13, 275-288.	0.8	18
22	Application of the water-related spectral reflectance indices: A review. <i>Ecological Indicators</i> , 2019, 98, 68-79.	2.6	62
23	Combining Multi-Sensor Satellite Imagery to Improve Long-Term Monitoring of Temporary Surface Water Bodies in the Senegal River Floodplain. <i>Remote Sensing</i> , 2020, 12, 3157.	1.8	15
24	Estimating lake temperature profile and evaporation losses by leveraging MODIS LST data. <i>Remote Sensing of Environment</i> , 2020, 251, 112104.	4.6	32
25	Object Detection and Image Segmentation with Deep Learning on Earth Observation Data: A Review—Part II: Applications. <i>Remote Sensing</i> , 2020, 12, 3053.	1.8	102
26	Monitoring surface water area variations of reservoirs using daily MODIS images by exploring sub-pixel information. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 168, 141-152.	4.9	36
27	Automated surface water detection from space: a Canada-wide, open-source, automated, near-real time solution. <i>Canadian Water Resources Journal</i> , 2020, 45, 304-323.	0.5	3
28	Monitoring Human-Induced Surface Water Disturbance Around Taihu Lake Since 1984 by Time Series Landsat Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 3780-3789.	2.3	7
29	Construction of High Spatial-Temporal Water Body Dataset in China Based on Sentinel-1 Archives and GEE. <i>Remote Sensing</i> , 2020, 12, 2413.	1.8	34
30	Forecasting Spatio-Temporal Dynamics on the Land Surface Using Earth Observation Data—A Review. <i>Remote Sensing</i> , 2020, 12, 3513.	1.8	13
31	Long-Term Discharge Estimation for the Lower Mississippi River Using Satellite Altimetry and Remote Sensing Images. <i>Remote Sensing</i> , 2020, 12, 2693.	1.8	7
32	Construction of the Long-Term Global Surface Water Extent Dataset Based on Water-NDVI Spatio-Temporal Parameter Set. <i>Remote Sensing</i> , 2020, 12, 2675.	1.8	34
33	Monitoring Large-Scale Inland Water Dynamics by Fusing Sentinel-1 SAR and Sentinel-3 Altimetry Data and by Analyzing Causal Effects of Snowmelt. <i>Remote Sensing</i> , 2020, 12, 3896.	1.8	12
34	Fusion of High- and Medium-Resolution Optical Remote Sensing Imagery and GlobeLand30 Products for the Automated Detection of Intra-Urban Surface Water. <i>Remote Sensing</i> , 2020, 12, 4037.	1.8	6
35	Evaluation of a new 18-year MODIS-derived surface water fraction dataset for constructing Mediterranean wetland open surface water dynamics. <i>Journal of Hydrology</i> , 2020, 587, 124956.	2.3	6
36	Analyzing Water Dynamics Based on Sentinel-1 Time Series—a Study for Dongting Lake Wetlands in China. <i>Remote Sensing</i> , 2020, 12, 1761.	1.8	19

#	ARTICLE	IF	CITATIONS
37	Lake Topography and Active Storage From Satellite Observations of Flood Frequency. <i>Water Resources Research</i> , 2020, 56, e2019WR026362.	1.7	16
38	Using GRanD Database and Surface Water Data to Constrain Area-Storage Curve of Reservoirs. <i>Water (Switzerland)</i> , 2020, 12, 1242.	1.2	5
39	MODIS-Based Remote Estimation of Absorption Coefficients of an Inland Turbid Lake in China. <i>Remote Sensing</i> , 2020, 12, 1940.	1.8	7
40	A Regression-Based Prediction Model of Suspended Sediment Yield in the Cuyahoga River in Ohio Using Historical Satellite Images and Precipitation Data. <i>Water (Switzerland)</i> , 2020, 12, 881.	1.2	17
41	Large-Scale Retrieval of Coloured Dissolved Organic Matter in Northern Lakes Using Sentinel-2 Data. <i>Remote Sensing</i> , 2020, 12, 157.	1.8	22
42	An Indicator and Min-Cost Approach for Shoreline Extraction From Satellite Imagery in Muddy Coasts. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 4375-4386.	2.7	2
43	A Novel Water Change Tracking Algorithm for Dynamic Mapping of Inland Water Using Time-Series Remote Sensing Imagery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 1661-1674.	2.3	5
44	Hindcast and forecast of daily inundation extents using satellite SAR and altimetry data with rotated empirical orthogonal function analysis: Case study in Tonle Sap Lake Floodplain. <i>Remote Sensing of Environment</i> , 2020, 241, 111732.	4.6	19
45	Spatiotemporal change in the surface temperature of Himalayan lake and its inter-relation with water quality and growth in aquatic vegetation. <i>Geocarto International</i> , 2021, 36, 241-261.	1.7	6
46	Steady increase in water clarity in Jiaozhou Bay in the Yellow Sea from 2000 to 2018: Observations from MODIS. <i>Journal of Oceanology and Limnology</i> , 2021, 39, 800-813.	0.6	9
47	A dataset of remote-sensed Forel-Ule Index for global inland waters during 2000-2018. <i>Scientific Data</i> , 2021, 8, 26.	2.4	29
48	A novel surface water index using local background information for long term and large-scale Landsat images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 172, 59-78.	4.9	39
49	Trends in Satellite Earth Observation for Permafrost Related Analyses-A Review. <i>Remote Sensing</i> , 2021, 13, 1217.	1.8	26
50	Utilization of Multi-Temporal Sentinel-1 Satellite Imagery for Detecting Aquatic Vegetation Change in Lake Rawapening, Central Java, Indonesia. <i>Papers in Applied Geography</i> , 2021, 7, 316-330.	0.8	6
51	Investigating the flood damages in Lower Indus Basin since 2000: Spatiotemporal analyses of the major flood events. <i>Natural Hazards</i> , 2021, 108, 2357-2383.	1.6	20
52	Effect of Different Atmospheric Correction Algorithms on Sentinel-2 Imagery Classification Accuracy in a Semiarid Mediterranean Area. <i>Remote Sensing</i> , 2021, 13, 1770.	1.8	9
53	RECOG RL01: correcting GRACE total water storage estimates for global lakes/reservoirs and earthquakes. <i>Earth System Science Data</i> , 2021, 13, 2227-2244.	3.7	11
56	Global Estimation and Assessment of Monthly Lake/Reservoir Water Level Changes Using ICESat-2 ATL13 Products. <i>Remote Sensing</i> , 2021, 13, 2744.	1.8	32

#	ARTICLE	IF	CITATIONS
57	Systematic Water Fraction Estimation for a Global and Daily Surface Water Time-Series. Remote Sensing, 2021, 13, 2675.	1.8	2
58	Determining Temporal Uncertainty of a Global Inland Surface Water Time Series. Remote Sensing, 2021, 13, 3454.	1.8	3
59	Hydroclimatic analysis of rising water levels in the Great rift Valley Lakes of Kenya. Journal of Hydrology: Regional Studies, 2021, 36, 100857.	1.0	17
60	Multiple Images Improve Lake CDOM Estimation: Building Better Landsat 8 Empirical Algorithms across Southern Canada. Remote Sensing, 2021, 13, 3615.	1.8	4
61	Exploring Sentinel-1 and Sentinel-2 diversity for flood inundation mapping using deep learning. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 180, 163-173.	4.9	56
62	Satellite-derived quantification of the diurnal and annual dynamics of land surface temperature. Remote Sensing of Environment, 2021, 265, 112642.	4.6	11
63	Remote sensing estimation of the concentration and sources of coloured dissolved organic matter based on MODIS: A case study of Erhai lake. Ecological Indicators, 2021, 131, 108180.	2.6	8
64	Time series of the Inland Surface Water Dataset in China (ISWDC) for 2000â€“2016 derived from MODIS archives. Earth System Science Data, 2019, 11, 1099-1108.	3.7	24
65	Monitoring monthly surface water dynamics of Dongting Lake using Sentinel-1 data at 10 m. PeerJ, 2018, 6, e4992.	0.9	36
66	A New Conceptual Framework for Integrating Earth Observation in Large-scale Wetland Management in East Africa. Wetlands, 2021, 41, 1.	0.7	9
67	Translating habitat class to land cover to map area of habitat of terrestrial vertebrates. Conservation Biology, 2022, 36, .	2.4	13
68	Refining and densifying the water inundation area and storage estimates of Poyang Lake by integrating Sentinel-1/2 and bathymetry data. International Journal of Applied Earth Observation and Geoinformation, 2021, 105, 102601.	1.4	3
69	Flooded area classification using pooled training samples: an example from the Chobe River Basin, Botswana. Journal of Applied Remote Sensing, 2018, 12, 1.	0.6	2
71	Changes in urbanization and urban heat island effect in Dhaka city. Theoretical and Applied Climatology, 2022, 147, 891-907.	1.3	13
72	Inland Water Body Mapping Using Multitemporal Sentinel-1 SAR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11789-11799.	2.3	10
73	Spatiotemporal Variations in Surface Water and its Significance to Desertification in China from 2000 to 2019. SSRN Electronic Journal, 0, , .	0.4	0
74	A Framework for Multivariate Analysis of Land Surface Dynamics and Driving Variablesâ€”A Case Study for Indo-Gangetic River Basins. Remote Sensing, 2022, 14, 197.	1.8	4
75	Maximizing Multiâ€“Decadal Water Surface Elevation Estimates With Landsat Imagery and Elevation/Bathymetry Datasets. Water Resources Research, 2022, 58, .	1.7	2

#	ARTICLE	IF	CITATIONS
76	Sentinel-1 based Inland water dynamics Mapping System (SIMS). Environmental Modelling and Software, 2022, 149, 105305.	1.9	9
78	Can we detect more ephemeral floods with higher density harmonized Landsat Sentinel 2 data compared to Landsat 8 alone?. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 185, 232-246.	4.9	25
79	A Novel Workflow for Seasonal Wetland Identification Using Bi-Weekly Multiple Remote Sensing Data. Remote Sensing, 2022, 14, 1037.	1.8	4
80	Assessing Surface Water Losses and Gains under Rapid Urbanization for SDC 6.6.1 Using Long-Term Landsat Imagery in the Guangdong-Hong Kong-Macao Greater Bay Area, China. Remote Sensing, 2022, 14, 881.	1.8	10
81	Assessing the inundation dynamics and its impacts on habitat suitability in Poyang Lake based on integrating Landsat and MODIS observations. Science of the Total Environment, 2022, 834, 154936.	3.9	22
82	Global seasonal dynamics of inland open water and ice. Remote Sensing of Environment, 2022, 272, 112963.	4.6	18
83	Integrating MODIS and Landsat imagery to monitor the small water area variations of reservoirs. Science of Remote Sensing, 2022, 5, 100045.	2.2	4
84	Spatiotemporal variations in surface water and its significance to desertification in China from 2000 to 2019. Catena, 2022, 213, 106182.	2.2	6
85	Near real-time surface water extraction from GOES-16 geostationary satellite ABI images by constructing and sharpening the green-like band. Science of Remote Sensing, 2022, 5, 100055.	2.2	1
86	Monitoring 23-year of shoreline changes of the Zengwun Estuary in Southern Taiwan using time-series Landsat data and edge detection techniques. Science of the Total Environment, 2022, 839, 156310.	3.9	14
87	Long-term dense Landsat observations reveal detailed waterbody dynamics and temporal changes of the size-abundance relationship. Journal of Hydrology: Regional Studies, 2022, 41, 101111.	1.0	6
88	HydroSat: geometric quantities of the global water cycle from geodetic satellites. Earth System Science Data, 2022, 14, 2463-2486.	3.7	13
89	Remote Sensing of Surface Water Dynamics in the Context of Global Change—A Review. Remote Sensing, 2022, 14, 2475.	1.8	13
90	Reservoir Time-Series Filling From Remote Sensing Data in the Central Valley, Chile. Impact of Meat Consumption on Health and Environmental Sustainability, 2022, , 117-130.	0.4	0
91	Time-series surface water gap filling based on spatiotemporal neighbourhood similarity. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102882.	0.9	3
92	Accurate water extraction using remote sensing imagery based on normalized difference water index and unsupervised deep learning. Journal of Hydrology, 2022, 612, 128202.	2.3	25
93	Multi-faceted analyses of seasonal trends and drivers of land surface variables in Indo-Gangetic river basins. Science of the Total Environment, 2022, 847, 157515.	3.9	4
94	Spatial Modelling and Prediction with the Spatio-Temporal Matrix: A Study on Predicting Future Settlement Growth. Land, 2022, 11, 1174.	1.2	1

#	ARTICLE	IF	CITATIONS
95	Monitoring Surface Water Inundation of Poyang Lake and Dongting Lake in China Using Sentinel-1 SAR Images. <i>Remote Sensing</i> , 2022, 14, 3473.	1.8	4
96	A Combined Approach for Monitoring Monthly Surface Water/Ice Dynamics of Lesser Slave Lake Via Earth Observation Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 6402-6417.	2.3	8
97	Mapping of Small Water Bodies with Integrated Spatial Information for Time Series Images of Optical Remote Sensing. , 2022, , .		0
99	The Potential of Using Dynamic Surface Water Products for Drought Monitoring. , 2022, , .		0
100	Mapping of small water bodies with integrated spatial information for time series images of optical remote sensing. <i>Journal of Hydrology</i> , 2022, 614, 128580.	2.3	1
101	GLOBMAP SWF: a global annual surface water cover frequency dataset during 2000â€“2020. <i>Earth System Science Data</i> , 2022, 14, 4505-4523.	3.7	1
102	Spatiotemporal Dynamics of Wetland in Dongting Lake Based on Multi-Source Satellite Observation Data during Last Two Decades. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 14180.	1.2	1
103	Effect of the Synergetic Use of Sentinel-1, Sentinel-2, LiDAR and Derived Data in Land Cover Classification of a Semiarid Mediterranean Area Using Machine Learning Algorithms. <i>Remote Sensing</i> , 2023, 15, 312.	1.8	6
104	A data-driven approach to flag land-affected signals in satellite derived water quality from small lakes. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2023, 117, 103188.	0.9	1
105	Spatiotemporal Variability of the Lake Tana Water Quality Derived from the MODIS-Based Forelâ€™Ule Index: The Roles of Hydrometeorological and Surface Processes. <i>Atmosphere</i> , 2023, 14, 289.	1.0	2
106	Influence of Pixel Quality, Land Cover, and Hydroclimatic Cycle on Moderate Resolution Imaging Spectroradiometer Inundation Monitoring Performance in the Pantanal, Brazil. <i>Journal of Geoscience and Environment Protection</i> , 2023, 11, 90-120.	0.2	0
107	A robust large-scale surface water mapping framework with high spatiotemporal resolution based on the fusion of multi-source remote sensing data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2023, 118, 103288.	0.9	1
108	Delimitation of water areas using remote sensing in Brazilâ€™s semiarid region. <i>Brazilian Journal of Environmental Sciences (Online)</i> , 2023, 58, 20-29.	0.1	0