Yongwei Sheng

List of Publications by Year
in descending order

72	5,634	126858	85498
papers	citations	33 h-index	71 g-index

73	73	73	6269
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Constraining the contribution of glacier mass balance to the Tibetan lake growth in the early 21st century. Remote Sensing of Environment, 2022, 268, 112779.	4.6	21
2	Reconsideration of wind stress, wind waves, and turbulence in simulating wind-driven currents of shallow lakes in the Wave and Current Coupled Model (WCCM) version 1.0. Geoscientific Model Development, 2022, 15, 745-769.	1.3	8
3	GeoDAR: georeferenced global dams and reservoirs dataset for bridging attributes and geolocations. Earth System Science Data, 2022, 14, 1869-1899.	3.7	58
4	Mega-lakes in the northwestern Tibetan Plateau formed by melting glaciers during the last deglacial. Quaternary Science Reviews, 2022, 285, 107528.	1.4	18
5	Holocene climatic optimum in the East Asian monsoon region of China defined by climatic stability. Earth-Science Reviews, 2021, 212, 103450.	4.0	41
6	Response of downstream lakes to Aru glacier collapses on the western Tibetan Plateau. Cryosphere, 2021, 15, 199-214.	1.5	11
7	Landsat-derived bathymetry of lakes on the Arctic Coastal Plain of northern Alaska. Earth System Science Data, 2021, 13, 1135-1150.	3.7	6
8	Coulomb stress analysis for several filling and operational scenarios at the Grand Ethiopian Renaissance Dam impoundment. Environmental Earth Sciences, 2021, 80, 286.	1.3	2
9	Automated Water Level Monitoring at the Continental Scale from ICESat-2 Photons. Remote Sensing, 2021, 13, 3631.	1.8	12
10	Ongoing Drainage Reorganization Driven by Rapid Lake Growths on the Tibetan Plateau. Geophysical Research Letters, 2021, 48, e2021GL095795.	1.5	21
11	Impact of amplified evaporation due to lake expansion on the water budget across the inner Tibetan Plateau. International Journal of Climatology, 2020, 40, 2091-2105.	1.5	24
12	Groundwater net discharge rates estimated from lake level change in Badain Jaran Desert, Northwest China. Science China Earth Sciences, 2020, 63, 713-725.	2.3	9
13	Remote Sensing Applications in Monitoring of Protected Areas. Remote Sensing, 2020, 12, 1370.	1.8	11
14	Reservoir Induced Deformation Analysis for Several Filling and Operational Scenarios at the Grand Ethiopian Renaissance Dam Impoundment. Remote Sensing, 2020, 12, 1886.	1.8	8
15	Improving the Transferability of Suspended Solid Estimation in Wetland and Deltaic Waters with an Empirical Hyperspectral Approach. Remote Sensing, 2019, 11, 1629.	1.8	29
16	Current status of Landsat program, science, and applications. Remote Sensing of Environment, 2019, 225, 127-147.	4.6	586
17	High-Resolution Spaceborne, Airborne and In Situ Landslide Kinematic Measurements of the Slumgullion Landslide in Southwest Colorado. Remote Sensing, 2019, 11, 265.	1.8	14
18	A Global Assessment of Terrestrial Evapotranspiration Increase Due to Surface Water Area Change. Earth's Future, 2019, 7, 266-282.	2.4	60

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19	Mapping Forested Floodplain Topography Using InSAR and Radar Altimetry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 5189-5198.	2.3	7
20	A Multitemporal Remote Sensing Image Registration Method Based on Water Bodies for the Lake-Rich Region. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4327-4341.	2.3	1
21	Regional differences of lake evolution across China during 1960sâ€“2015 and its natural and anthropogenic causes. Remote Sensing of Environment, 2019, 221, 386-404.	4.6	252
22	Recent Third Poleâ€™s Rapid Warming Accompanies Cryospheric Melt and Water Cycle Intensification and Interactions between Monsoon and Environment: Multidisciplinary Approach with Observations, Modeling, and Analysis. Bulletin of the American Meteorological Society, 2019, 100, 423-444.	1.7	590
23	An inventory of historical glacial lake outburst floods in the Himalayas based on remote sensing observations and geomorphological analysis. Geomorphology, 2018, 308, 91-106.	1.1	132
24	The contribution of wind wave changes on diminishing ice period in Lake PyhÃjÃrvi during the last half-century. Environmental Science and Pollution Research, 2018, 25, 24895-24906.	2.7	2
25	LakeTime: Automated Seasonal Scene Selection for Global Lake Mapping Using Landsat ETM+ and OLI. Remote Sensing, 2018, 10, 54.	1.8	12
26	Recent global decline in endorheic basin water storages. Nature Geoscience, 2018, 11, 926-932.	5.4	282
27	Lake seasonality across the Tibetan Plateau and their varying relationship with regional mass changes and local hydrology. Geophysical Research Letters, 2017, 44, 892-900.	1.5	72
28	Little impact of the <scp>T</scp>hree <scp>G</scp>orges <scp>D</scp>am on recent decadal lake decline across <scp>C</scp>hina's <scp>Y</scp>angtze <scp>P</scp>lain. Water Resources Research, 2017, 53, 3854-3877.	1.7	75
29	Heterogeneous glacial lake changes and links of lake expansions to the rapid thinning of adjacent glacier termini in the Himalayas. Geomorphology, 2017, 280, 30-38.	1.1	80
30	ICESat-derived lithospheric flexure as caused by an endorheic lakeâ€™s expansion on the Tibetan Plateau and the comparison to modeled flexural responses. Journal of Asian Earth Sciences, 2017, 148, 142-152.	1.0	4
31	A regional-scale assessment of Himalayan glacial lake changes using satellite observations from 1990 to 2015. Remote Sensing of Environment, 2017, 189, 1-13.	4.6	240
32	Glacial lake evolution in the southeastern Tibetan Plateau and the cause of rapid expansion of proglacial lakes linked to glacial-hydrogeomorphic processes. Journal of Hydrology, 2016, 540, 504-514.	2.3	80
33	Representative lake water extent mapping at continental scales using multi-temporal Landsat-8 imagery. Remote Sensing of Environment, 2016, 185, 129-141.	4.6	175
34	Contrasting evolution patterns between glacier-fed and non-glacier-fed lakes in the Tanggula Mountains and climate cause analysis. Climatic Change, 2016, 135, 493-507.	1.7	60
35	Holocene environment changes around the Sara Us River, northern China, revealed by optical dating of lacustrineâ€“aeolian sediments. Journal of Asian Earth Sciences, 2016, 120, 184-191.	1.0	14
36	Combined ICESat and CryoSat-2 Altimetry for Accessing Water Level Dynamics of Tibetan Lakes over 2003â€“2014. Water (Switzerland), 2015, 7, 4685-4700.	1.2	50

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37	A Fast Algorithm to Estimate the Deepest Points of Lakes for Regional Lake Registration. PLoS ONE, 2015, 10, e0144700.	1.1	7
38	Efficient meltwater drainage through supraglacial streams and rivers on the southwest Greenland ice sheet. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1001-1006.	3.3	163
39	Oasis evolution processes and mechanisms in the lower reaches of Heihe River, Inner Mongolia, China since 1 ka ago. Holocene, 2015, 25, 445-453.	0.9	2
40	Monitoring decadal lake dynamics across the Yangtze Basin downstream of Three Gorges Dam. Remote Sensing of Environment, 2014, 152, 251-269.	4.6	178
41	Response of inland lake dynamics over the Tibetan Plateau to climate change. Climatic Change, 2014, 125, 281-290.	1.7	225
42	Quantifying sources of error in multitemporal multisensor lake mapping. International Journal of Remote Sensing, 2013, 34, 7887-7905.	1.3	27
43	Coherent lake growth on the central Tibetan Plateau since the 1970s: Characterization and attribution. Journal of Hydrology, 2013, 483, 61-67.	2.3	191
44	Glacier mass loss induced the rapid growth of Linggo Co on the central Tibetan Plateau. Journal of Glaciology, 2012, 58, 177-184.	1.1	50
45	Regional lake ice meltout patterns near Barrow, Alaska. Polar Geography, 2012, 35, 1-18.	0.8	17
46	An automated scheme for glacial lake dynamics mapping using Landsat imagery and digital elevation models: a case study in the Himalayas. International Journal of Remote Sensing, 2012, 33, 5194-5213.	1.3	176
47	Drained thaw lake basin recovery on the western Arctic Coastal Plain of Alaska using high-resolution digital elevation models and remote sensing imagery. Remote Sensing of Environment, 2012, 119, 325-336.	4.6	28
48	Thermokarst Lakes on the Arctic Coastal Plain of Alaska: Spatial and Temporal Variability in Summer Water Temperature. Permafrost and Periglacial Processes, 2012, 23, 207-217.	1.5	26
49	Thermokarst Lakes on the Arctic Coastal Plain of Alaska: Geomorphic Controls on Bathymetry. Permafrost and Periglacial Processes, 2012, 23, 218-230.	1.5	45
50	Mapping wetland changes in China between 1978 and 2008. Science Bulletin, 2012, 57, 2813-2823.	1.7	248
51	Application of Semi-Automated Filter to Improve Waveform Lidar Sub-Canopy Elevation Model. Remote Sensing, 2012, 4, 1494-1518.	1.8	8
52	Influence of permafrost on water storage in West Siberian peatlands revealed from a new database of soil properties. Permafrost and Periglacial Processes, 2012, 23, 69-79.	1.5	24
53	An Adaptive Water Extraction Method from Remote Sensing Image Based on NDWI. Journal of the Indian Society of Remote Sensing, 2012, 40, 421-433.	1.2	67
54	Characteristics of Î´¹³C_{DIC} in lakes on the Tibetan Plateau and its implications for the carbon cycle. Hydrological Processes, 2012, 26, 535-543.	1.1	18

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55	Evaporative enrichment of oxygen-18 and deuterium in lake waters on the Tibetan Plateau. Journal of Paleolimnology, 2011, 46, 291-307.	0.8	46
56	Lake shrinkage analysis using spectral-spatial coupled remote sensing on Tibetan Plateau. , 2010, , .		5
57	Characterization of surface water storage changes in Arctic lakes using simulated SWOT measurements. International Journal of Remote Sensing, 2010, 31, 3931-3953.	1.3	66
58	High-precise water extraction based on spectral-spatial coupled remote sensing information. , 2010, , .		10
59	PaleoLakeR: A Semiautomated Tool for Regional-Scale Paleolake Recovery Using Geospatial Information Technologies. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 797-801.	1.4	11
60	Quantifying the Size of a Lidar Footprint: A Set of Generalized Equations. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 419-422.	1.4	20
61	Automated Image Registration for Hydrologic Change Detection in the Lake-Rich Arctic. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 414-418.	1.4	50
62	Automated Image Registration Based on Pseudoinvariant Metrics of Dynamic Land-Surface Features. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3908-3916.	2.7	28
63	Minimising algorithm-induced artefacts in true ortho-image generation: a direct method implemented in the vector domain. Photogrammetric Record, 2007, 22, 151-163.	0.4	13
64	A first pan-Arctic assessment of the influence of glaciation, permafrost, topography and peatlands on northern hemisphere lake distribution. Permafrost and Periglacial Processes, 2007, 18, 201-208.	1.5	154
65	Rapid Early Development of Circumarctic Peatlands and Atmospheric CH4 and CO2 Variations. Science, 2006, 314, 285-288.	6.0	353
66	Geomorphic impact and rapid subsequent recovery from the 1996 SkeiÃ°arÃ¡rsandur jÃ¶kulhlaup, Iceland, measured with multi-year airborne lidar. Geomorphology, 2006, 75, 65-75.	1.1	30
67	Automated georeferencing and orthorectification of Amazon basin-wide SAR mosaics using SRTM DEM data. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 1929-1940.	2.7	50
68	Comparative evaluation of iterative and non-iterative methods to ground coordinate determination from single aerial images. Computers and Geosciences, 2004, 30, 267-279.	2.0	11
69	A high-resolution GIS-based inventory of the west Siberian peat carbon pool. Global Biogeochemical Cycles, 2004, 18, n/a-n/a.	1.9	162
70	Melting of small Arctic ice caps observed from ERS scatterometer time series. Geophysical Research Letters, 2003, 30, .	1.5	40
71	Model-Based Conifer Canopy Surface Reconstruction from Photographic Imagery. Photogrammetric Engineering and Remote Sensing, 2003, 69, 249-258.	0.3	12
72	A high temporal resolution data set of ERS scatterometer radar backscatter for research in Arctic and sub-Arctic regions. Polar Record, 2002, 38, 115-120.	0.4	4